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ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JANUARY 1923

M. HERCHENRODER

OFFICER IN CHARGE.

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National Oceanic and Atmospheric Administration

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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
$= G = g_{45} (1 - \cdot 00259 \text{ Cos. } 2\lambda) = 978 \cdot 677 \text{ cm/sec}^2$. $g_{45} = 980 \cdot 617 \text{ cm/sec}^2$.
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 metre 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 meas ures 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.

M. HERCHENRODER,
Officer in Charge.

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PORT LOUIS
PRINTED AT THE GOVERNMENT PRESS
1928.

TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of JANUARY 1923.

Month and Day. 1923.	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)	List of Earthquakes. Date.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	E.-W. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	Remarks.
JAN.	° ′			′													
1	10.46·0	·22993	·30018	3·4	28	10	...	...	...	...	...	...	...	...	...	...	Repairs to basement; Instrument dismounted.
2	45·1	·23003	·016	9·5	39	14											
3	44·2	·22998	·018	7·0	31	8											
4	45·0	·23006	·021	7·1	42	7											
5	43·0	·23001	·023	6·0	37	13											
6	45·0	·23004	·027	4·7	37	11											
7	45·0	·23000	·024	6·9	23	17											
8	45·2	·23002	·024	7·2	13	21											
9	44·7	·23010	·025	6·0	38	13											
10	45·2	·23005	·027	4·8	48	8											
11	45·1	·22998	·028	5·5	42	11											
12	44·6	·23003	·028	4·7	40	9											
13	44·9	·23012	·029	4·8	47	12											
14	45·4	·22998	·032	4·8	31	9											
15	45·2	·23006	·025	5·2	30	18											
16	44·7	·23006	·029	7·2	34	16											
17	44·9	·23003	·024	11·7	33	22											
18	44·8	·23002	·018	13·6	34	40											
19	45·5	·22999	·020	14·3	41	34											
20	45·2	·23017	·017	14·9	70	37											
21	43·6	·22992	·022	9·7	38	20											
22	42·9	·22994	·020	7·7	22	29											
23	43·3	·22993	·024	5·0	35	22											
24	44·2	·23001	·021	5·5	28	23											
25	43·0	·22997	·023	3·3	13	22											
26	42·2	·23006	·025	2·6	20	6											
27	43·1	·23004	·023	3·8	35	10											
28	43·2	·23003	·023	3·7	30	21											
29	42·8	·23006	·028	2·7	49	6											
30	43·2	·23001	·029	6·0	35	26											
31	42·6	·23000	·030	4·7	22	18											
Mean	10.44·29	·23002	·30024	6·58	34·3	17·2	...	...	...	...	...	...	...	...	...	...	...

T=0·37822 : Mean Dip.=θ=52°.32′·62 (X=·22600 : Y=−·04286 : Z=·30024).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of JANUARY 1923.

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	° ′	
JAN. 5· 10·3	10·44·3	JAN. 6· 8·40	·23015	JAN. 4· 8·58	52.31·93	·30044	JAN. 4·13·26	52·32·75	·30043
·13·7	10·42·2	11 ·9·30	·23019	10·11·35	52·32·37	·30019	10·13·49	52·33·00	·30022
10·11·25	10·44·8	·13·3	·22993	18·11·15	52.29·00	·29984	18·13·46	52·32·25	·30010
18·11·0	10·39·9	19· 9·20	·22997	25· 9· 7	52.34·00	·30056	25·14· 6	52·32 00	·30000
13·57	10·40·7	·13·22	·23018						
26·8·43	10·41·9	27· 9·37	·23010						
13·35	10·41·9	·13·20	·23009						

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

JANUARY 1923.

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

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	45·3	44·5	45·2	45·3	44·7	44·0	43·9	43·3	43·9	43·3	43·3	43·2	43·2	42·6	42·3	44·6	Midnight
1h	45·5	45·0	45·3	45·5	44·7	43·9	43·7	43·7	43·7	43·3	43·5	43·5	43·3	44·3	43·0	44·8	1h
2	45·3	45·2	45·7	45·7	44·7	44·0	43·7	44·0	43·7	43·0	43·7	43·5	43·4	44·1	43·3	44·9	2
3	45·8	45·1	46·3	46·2	44·5	44·0	43·5	44·2	43·8	43·0	43·8	43·5	43·5	43·9	43·5	45·0	3
4	46·3	45·5	46·7	46·5	45·3	44·1	43·5	44·5	43·7	42·5	43·9	43·7	43·5	44·5	43·5	45·2	4
5	46·7	47·3	47·5	46·5	46·7	44·2	43·7	44·7	43·7	42·3	44·1	43·7	43·7	44·7	43·9	45·5	5
6	48·0	49·0	48·2	47·5	46·3	44·5	43·9	44·7	43·5	42·0	44·2	44·8	44·0	44·5	43·8	46·0	6
7	50·0	52·0	52·2	50·5	48·0	44·7	44·5	44·7	43·3	41·7	44·5	45·8	44·5	45·9	44·7	46·8	7
8	49·5	51·7	52·8	53·9	48·7	45·3	45·3	45·3	43·3	41·0	44·5	44·9	44·0	46·5	45·0	46·7	8
9	47·0	48·0	50·0	53·5	48·0	46·0	46·2	46·1	43·9	41·5	44·5	43·2	43·3	45·7	44·3	46·1	9
10	43·5	43·5	45·7	49·3	44·7	45·8	46·2	46·5	44·2	41·7	43·0	43·7	42·7	42·5	43·0	44·9	10
11	39·0	39·8	40·0	43·0	40·2	43·0	44·5	47·0	44·0	41·9	43·9	43·3	41·9	41·3	41·3	43·2	11
Noon	38·3	38·4	38·5	40·2	39·0	40·3	42·3	45·5	44·3	43·2	44·1	43·3	41·9	40·7	40·7	42·3	Noon
13h	40·0	39·0	38·7	39·0	39·0	39·2	41·2	43·8	43·3	42·1	43·3	43·3	41·8	40·5	40·5	42·6	13h
14	41·0	41·0	40·5	40·0	39·3	38·3	41·5	43·5	42·2	41·5	42·2	42·5	42·2	40·7	40·3	41·4	14
15	43·7	41·8	43·5	41·7	40·2	39·5	41·3	41·5	41·5	40·7	41·5	42·4	42·5	41·3	41·0	42·4	15
16	45·5	42·3	45·3	42·0	40·7	40·5	41·5	41·7	41·0	41·3	41·0	42·1	42·5	42·3	41·7	42·8	16
17	46·1	44·7	46·2	43·9	42·5	42·0	42·5	42·5	41·5	41·9	40·7	42·2	42·1	42·5	42·1	43·4	17
18	46·3	45·3	46·3	44·0	42·5	42·3	42·7	43·3	41·9	41·9	41·2	42·1	41·8	43·0	42·0	43·7	18
19	45·5	45·2	45·8	43·7	42·5	42·3	42·7	43·9	42·3	42·1	42·2	42·1	42·2	43·5	42·0	43·9	19
20	45·0	45·3	45·7	44·0	43·3	42·5	42·7	44·0	42·3	42·3	42·4	42·1	42·0	43·7	42·5	44·0	20
21	45·0	45·4	45·7	44·3	43·3	42·7	42·2	43·8	42·3	42·7	42·3	42·3	42·5	42·5	43·2	44·1	21
22	45·0	45·3	45·8	44·2	43·5	43·3	43·5	43·9	42·5	43·0	42·6	42·5	43·5	42·3	42·0	44·3	22
23	44·7	45·3	45·5	45·0	43·5	43·7	43·3	43·9	42·7	43·2	43·2	42·5	42·7	42·3	42·1	44·4	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*).

JANUARY 1923.

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	090	107	096	105	096	093	103	095	104	103	085	097	097	097	100	111	Midnight
1h	092	106	097	105	095	098	097	097	105	105	090	098	104	095	101	106	1h
2	090	112	097	107	100	103	097	097	107	106	092	099	107	096	101	107	2
3	091	107	098	104	103	107	100	099	110	107	097	101	107	098	104	104	3
4	092	105	097	107	105	104	100	099	110	109	099	103	105	104	103	105	4
5	091	104	096	107	107	106	098	099	112	112	103	107	106	107	104	104	5
6	087	109	098	109	104	112	097	102	113	115	107	109	107	107	103	107	6
7	088	117	106	118	106	115	103	106	122	117	118	120	115	112	104	105	7
8	092	122	112	124	110	119	105	105	127	120	124	127	127	112	107	113	8
9	093	124	112	128	117	118	110	096	126	121	125	125	144	113	118	129	9
10	097	124	114	132	122	121	115	097	129	127	124	117	137	112	128	128	10
11	097	120	108	125	124	123	114	104	129	118	115	105	124	106	127	122	11
Noon	092	108	096	116	112	119	106	105	123	105	105	095	119	105	120	109	Noon
13h	081	106	093	117	097	113	100	107	114	099	089	097	120	098	105	104	13h
14	077	098	087	104	093	105	100	108	108	098	083	093	120	085	103	100	14
15	087	097	083	096	094	099	097	108	106	096	083	090	116	076	103	102	15
16	094	092	084	096	087	095	100	100	100	096	084	087	107	070	104	105	16
17	101	091	092	095	092	097	093	099	103	103	087	097	109	082	101	099	17
18	100	091	095	094	094	097	097	100	104	104	090	098	103	085	098	095	18
19	096	087	094	093	092	097	098	104	103	100	092	102	104	095	098	097	19
20	096	085	096	090	092	093	096	104	098	098	089	103	097	097	102	098	20
21	100	087	098	092	093	086	094	103	094	092	091	102	097	100	103	097	21
22	103	089	097	092	091	088	093	103	098	083	092	097	102	102	107	099	22
23	105	093	102	093	091	089	092	103	091	079	095	096	102	105	109	102	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	099	102	099	097	090	089	087	086	097	098	103	100	096	104	100	097·5	Midnight
1h	100	104	097	100	096	090	099	090	102	099	103	097	097	105	102	099·1	1h
2	107	105	098	102	098	089	096	095	102	100	103	098	099	103	097	100·3	2
3	104	111	097	105	111	097	092	102	097	101	101	098	104	107	098	102·0	3
4	103	110	097	105	096	097	097	098	094	102	100	098	105	105	099	101·7	4
5	103	099	099	107	096	096	098	102	097	103	099	102	107	105	098	102·4	5
6	104	098	098	107	096	099	101	103	097	104	100	106	109	109	098	103·7	6
7	102	094	093	109	098	101	106	112	099	108	104	113	110	112	097	107·4	7
8	100	088	093	116	095	100	106	114	105	112	107	114	112	110	103	110·4	8
9	105	113	100	122	089	098	101	112	106	112	113	114	116	107	104	113·3	9
10	128	122	113	137	093	098	093	111	103	117	121	117	117	104	114	116·5	10
11	125	122	128	149	096	106	086	104	095	118	123	119	132	107	115	115·7	11
Noon	115	110	121	157	097	107	099	110	096	113	117	120	134	115	108	111·4	Noon
13h	107	100	110	153	104	104	109	113	097	112	115	111	106	107	107	106·3	13h
14	100	096	104	140	102	103	104	109	093	108	111	100	104	104	105	101·5	14
15	095	097	095	135	087	097	092	099	093	107	093	095	106	102	103	097·7	15
16	098	102	089	134	081	092	074	092	094	107	088	090	109	092	100	095·0	16
17	100	105	091	120	092	086	080	095	098	104	094	094	107	090	099	096·7	17
18	097	103	087	110	091	086	087	092	096	102	099	097	105	090	095	096·2	18
19	097	098	093	104	087	086	085	094	094	100	097	098	097	087	094	095·9	19
20	097	095	093	112	078	086	083	095	093	100	098	097	093	093	093	094·5	20
21	097	096	092	109	073	085	087	093	095	100	100	097	089	080	094	094·2	21
22	098	096	092	087	077	085	083	097	095	100	104	096	085	089	093	094·0	22
23	100	090	093	087	085	087	082	102	096	100	104	098	095	097	094	095·4	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*).

JANUARY 1923.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	020	019	017	022	023	024	029	025	029	029	030	030	030	032	030	027	Midnight
1h	020	019	017	021	023	024	028	026	029	029	030	030	030	033	030	027	1h
2	020	019	018	021	023	024	028	026	029	029	030	030	030	032	030	027	2
3	020	019	018	021	023	024	026	026	029	029	030	030	030	033	030	028	3
4	020	019	020	021	023	024	027	026	029	029	030	030	030	032	030	029	4
5	021	019	020	021	023	024	028	026	029	029	030	030	030	031	030	030	5
6	022	021	021	023	026	027	028	028	029	029	031	029	030	032	031	031	6
7	022	021	021	021	028	029	030	031	025	027	031	024	029	031	032	032	7
8	022	019	019	023	029	032	030	032	025	024	032	023	022	027	028	023	8
9	022	017	019	021	029	033	031	032	024	024	032	029	024	030	023	020	9
10	021	016	016	024	028	034	027	025	022	023	031	032	027	032	020	024	10
11	016	014	014	022	023	030	020	015	017	022	030	032	029	033	014	029	11
Noon	012	010	013	016	019	029	016	009	016	022	026	031	032	034	016	034	Noon
13h	014	007	014	016	017	029	016	011	018	024	024	028	034	036	017	036	13h
14	016	009	019	021	016	029	014	016	019	024	021	026	031	036	019	035	14
15	015	013	017	023	018	029	016	019	022	024	022	024	028	035	020	032	15
16	014	015	013	022	019	027	017	021	026	026	023	024	029	033	022	032	16
17	014	014	014	021	020	026	019	022	026	027	026	024	027	029	025	031	17
18	017	014	015	023	021	024	021	023	023	027	027	023	029	027	023	030	18
19	019	016	017	022	023	023	022	024	024	027	029	026	029	030	024	029	19
20	019	017	018	022	025	024	022	024	025	026	029	027	029	030	026	029	20
21	019	019	019	022	024	025	024	025	027	027	030	028	031	030	026	029	21
22	019	019	020	022	024	026	024	026	027	029	030	029	031	030	027	029	22
23	019	018	020	023	023	027	025	027	029	030	030	030	031	030	027	029	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	029	025	023	022	025	026	024	026	023	024	025	027	026	030	031	025·9	Midnight
1h	028	025	023	022	023	024	024	026	023	024	025	028	029	032	031	025·9	1h
2	027	025	023	022	023	024	023	024	023	024	025	029	029	030	031	025·7	2
3	027	025	023	022	023	024	023	023	023	024	025	029	029	030	031	025·7	3
4	028	025	023	022	023	024	023	023	023	024	025	029	029	032	033	026·0	4
5	029	025	023	022	024	025	023	023	023	024	025	029	029	033	035	026·2	5
6	031	028	026	023	025	025	023	023	023	024	025	031	029	034	035	027·2	6
7	033	031	031	029	025	027	025	024	022	022	023	030	030	033	037	027·6	7
8	031	020	030	031	027	029	030	026	023	022	021	024	029	033	038	026·6	8
9	024	002	021	023	022	030	036	031	029	025	022	018	027	029	036	025·3	9
10	015	006	005	012	010	026	036	031	033	026	022	013	028	017	031	022·5	10
11	008	009	003	002	007	013	024	024	035	028	025	010	027	008	027	018·8	11
Noon	011	003	004	006	010	001	014	014	029	025	023	012	027	011	023	017·1	Noon
13h	019	009	013	002	015	002	014	008	021	022	021	013	026	018	022	018·1	13h
14	022	017	018	005	020	005	017	009	017	022	019	017	027	023	023	019·7	14
15	024	021	021	013	022	013	018	010	014	023	016	021	026	029	027	021·1	15
16	025	021	025	014	022	017	022	014	013	026	018	023	027	034	020	022·1	16
17	026	021	026	016	022	021	028	019	019	025	018	022	028	036	020	023·0	17
18	024	021	023	016	023	023	026	021	022	026	022	023	028	034	020	023·2	18
19	023	021	022	016	023	022	024	022	023	027	026	024	029	033	031	024·2	19
20	024	022	022	019	023	022	024	022	023	026	026	024	029	032	031	024·5	20
21	025	023	022	020	026	022	026	022	023	026	026	023	029	032	032	025·2	21
22	025	023	023	022	027	023	027	023	024	026	025	024	032	032	032	025·8	22
23	025	023	023	024	027	026	026	023	024	025	025	024	029	032	032	026·0	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1923.

Month and Day 1923.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
JAN.	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1008·9	+ 2.4	29·3	22·9	6·4	25·5	— 0·3	3·7	19·2	— 1·4	68	— 6	22·0	21·2	0·6	5	10·0	5·0
2	1007·5	+ 1·1	29·0	22·9	6·1	24·9	— 0·9	2·6	20·4	— 0·3	76	+ 2	23·7	21·0	4·2	120	6·6	5·3
3	1007·9	+ 1·6	30·0	21·6	8·4	25·5	— 0·3	3·0	20·4	— 0·3	73	— 1	23·7	18·9	...	...	8·7	4·6
4	1007·7	+ 1·4	31·1	22·1	9·0	25·9	— 0·0	3·4	20·1	— 0·7	71	— 3	23·3	17·7	3·2	65	6·2	5·1
5	1007·4	+ 1·2	30·6	20·6	10·0	24·5	— 1·4	2·4	20·4	— 0·4	78	+ 4	23·7	18·3	8·2	70	3·2	5·4
6	1006·9	+ 0·8	30·0	19·0	11·0	24·5	— 1·4	2·7	19·9	— 0·9	76	+ 1	23·0	17·0	8·9	60	6·2	5·3
7	1007·6	+ 1·6	30·0	21·7	8·3	25·8	— 0·1	3·4	20·0	— 0·9	71	— 4	23·2	19·5	1·1	35	9·9	4·7
8	1007·7	+ 1·7	30·2	21·7	8·5	25·5	— 0·4	3·1	20·2	— 0·7	73	— 2	23·4	19·4	7·2	20	7·8	4·6
9	1007·2	+ 1·3	30·0	22·1	7·9	25·3	— 0·6	3·4	19·5	— 1·5	70	— 5	22·4	19·0	1·3	20	8·3	3·5
10	1008·5	+ 2·7	29·9	21·8	8·1	25·6	— 0·3	4·2	18·4	— 2·6	65	— 10	21·0	18·7	...	...	9·7	3·3
11	1008·6	+ 2·8	29·7	21·1	8·6	24·9	— 1·0	3·9	18·2	— 2·8	66	— 9	20·7	18·0	...	...	8·7	3·9
12	1008·5	+ 2·8	29·1	21·1	8·0	25·5	— 0·4	4·2	18·3	— 2·8	64	— 11	20·8	18·0	0·5	10	9·3	3·7
13	1008·7	+ 3·0	29·4	21·9	7·5	25·3	— 0·7	3·5	19·3	— 1·8	70	— 6	22·2	19·2	1·2	20	9·1	3·9
14	1007·4	+ 1·8	29·3	22·7	6·6	25·1	— 0·9	2·3	21·3	+ 0·2	80	+ 4	25·1	20·6	4·0	40	5·4	6·4
15	1005·3	— 0·2	31·4	21·5	9·9	26·2	+ 0·2	3·5	20·3	— 0·9	70	— 6	23·6	19·4	...	...	7·4	4·6
16	1005·1	— 0·4	30·0	21·9	8·1	26·2	+ 0·2	3·3	20·6	— 0·6	71	— 5	24·0	19·3	...	...	4·9	4·3
17	1005·6	+ 0·2	32·7	22·3	10·4	26·8	+ 0·8	3·3	21·3	— 0·9	72	— 4	25·1	20·6	2·5	25	10·1	6·2
18	1005·7	+ 0·3	32·9	21·8	11·1	26·8	+ 0·8	3·7	20·6	— 0·7	69	— 7	24·0	19·4	2·0	55	9·0	5·4
19	1005·7	+ 0·4	29·6	22·7	6·9	24·8	— 1·2	2·6	20·3	— 1·0	76	0	23·6	19·6	0·6	20	5·8	8·5
20	1006·0	+ 0·7	30·0	21·5	8·5	26·1	+ 0·1	3·8	19·7	— 1·6	68	— 9	22·7	17·1	...	...	8·8	3·0
21	1008·2	+ 3·0	32·4	24·0	8·4	27·2	+ 1·2	3·7	21·0	— 0·4	69	— 8	24·6	17·8	1·2	10	8·8	5·3
22	1009·2	+ 4·0	29·4	23·1	6·3	25·3	— 0·7	2·6	20·9	+ 0·5	77	0	24·5	20·2	2·0	10	4·9	4·6
23	1007·9	+ 2·8	29·6	21·5	8·1	25·3	— 0·7	3·3	19·7	— 1·7	71	— 6	22·7	16·6	0·9	20	7·4	6·7
24	1008·0	+ 2·9	30·0	23·1	6·9	26·1	+ 0·1	3·6	21·0	— 1·4	69	— 8	23·2	17·3	1·5	25	8·5	5·6
25	1008·8	+ 3·8	29·1	23·2	5·9	25·9	— 0·1	3·5	19·9	— 1·6	70	— 7	23·0	16·1	1·9	35	8·9	6·0
26	1008·1	+ 3·1	28·4	23·2	5·2	25·3	— 0·7	2·5	21·0	— 0·5	77	0	24·6	21·8	3·6	65	5·0	8·0
27	1007·5	+ 2·6	29·1	22·7	6·4	25·7	— 0·3	3·3	20·1	— 1·4	71	— 7	23·3	17·5	...	...	6·5	7·5
28	1007·1	+ 2·2	31·2	22·3	8·9	25·9	— 0·1	3·3	20·3	— 1·2	71	— 7	23·6	19·5	...	...	6·5	5·4
29	1006·8	+ 2·0	31·9	21·2	10·7	24·8	— 1·2	2·5	20·5	— 1·1	77	— 1	23·9	18·4	41·2	105	11·4	4·2
30	1005·6	+ 0·9	29·9	21·3	8·6	25·7	— 0·3	2·6	21·3	— 0·3	77	— 1	25·1	19·3	...	...	4·7	5·6
31	1005·2	+ 0·5	31·4	23·1	8·3	26·6	+ 0·6	2·3	22·7	+ 1·1	79	+ 1	27·3	20·1	18·7	100	9·1	7·2
Mean	1007·3	+ 1·8	30·2	22·1	8·1	25·7	— 0·3	3·2	20·2	— 1·0	72·1	— 3·9	23·5	15·7	116·5	935	4·4	5·3
Aver.	1005·5	...	29·9	22·6	7·3	26·0	...	2·9	21·2	...	76·0	...	24·9	20·4	197·1	2101	5·9	6·2
...	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 1923.

Previous conditions of very dry weather persisted with marked prevalence during the month of January.

Pressure kept markedly above normal, except during the passage of a Southern depression from the 14th to the 18th.

Temperative and Relative Humidity, generally below normal were very variable.

Wind Velocity was generally below normal.

Rainfall at the Observatory was 41 % below normal.

The percentage variation of rainfall below normal in the other districts was as follows :—

Northern Districts	River System 1,	56 % below
Eastern Districts	,, ,, 2, 3, 4.	40 % ,,
South-Eastern Districts	,, ,, 5, & 6	36 % ,,
Western Districts	River System 11	34 % below
	,, ,, 12	58 % ,,
	,, ,, 13	75 % ,,

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1923

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	9·7	73	− 1·8	+ 4·5	68	4·8	4·9	+ 1·4	24·6	25·9	28·4	...	...	29·5	29·8	f. o.g: p. : c.f. : f. : .
2	5·9	45	− 1·1	+ 4·1	75	4·2	4·3	+ 0·8	24·6	25·7	28·4	...	...	29·5	29·2	f. : c . : o. p. : f· .
3	11·8	89	+ 0·3	+ 2·8	96	2·8	2·9	− 0·6	24·7	26·0	28·4	...	...	28·8	28·5	c.f. .
4	7·5	57	+ 0·2	+ 1·5	98	1·5	2·2	− 1·3	24·7	26·1	28·3	...	...	29·3	29·1	f. : c. : c.p. : .
5	5·1	39	− 0·1	+ 0·7	82	0·7	1·7	− 1·8	24·7	26·1	28·3	...	...	28·7	27·9	f. : o.g. p. :f .
6	6·6	50	− 0·1	− 0·4	284	0·4	1·7	− 1·8	24·7	26·1	28·2	...	...	28·2	27·4	f. : o. g.d. : .
7	11·6	88	− 0·1	+ 2·5	88	2·5	2·7	− 0·8	24·7	26·1	28·0	...	...	28·7	28·4	o. p. : f : b. .
8	9·9	75	− 0·6	+ 2·6	77	2·7	2·9	− 0·6	24·6	25·9	28·0	...	...	28·7	28·5	c. p. : c.f. : .
9	11·4	87	− 0·6	+ 2·9	78	2·9	3·1	− 0·4	24·8	26·3	28·0	...	...	28·6	28·4	c.p: c.f. : f. .
10	12·3	93	− 0·1	+ 3·4	88	3·4	3·5	0·0	24·7	26·2	27·9	...	...	28·7	28·6	c.f. : f. .
11	10·7	81	− 0·4	+ 3·1	83	3·2	3·4	− 0·1	24·6	26·3	27·9	...	...	28·4	28·2	: c.f. : f .
12	12·4	94	+ 1·2	+ 3·3	110	3·5	3·7	+ 0·2	24·7	26·2	27·8	...	...	28·2	28·0	c.f. .
13	12·4	94	+ 0·9	+ 3·1	106	3·2	3·4	− 0·1	24·6	26·3	27·9	...	...	28·4	28·2	f. : c p. : c.f. : .
14	7·3	56	+ 0·6	+ 2·5	104	2·5	2·8	− 0·7	24·6	26·2	27·9	...	...	28·4	28·2	f. . c. p.: o. : .
15	10·6	81	+ 2·2	+ 0·1	177	2·2	2·6	− 0·9	24·8	26·3	28·1	...	...	28·3	28·2	c.f. : .
16	10·2	78	+ 1·1	− 1·4	232	1·8	2·3	− 1·2	24·6	26·3	28·0	...	...	28·8	29·1	c.f. : .
17	11·4	87	+ 1·3	− 0·7	208	1·5	2·3	− 1·2	24·6	26·2	28·1	...	...	29·6	30·0	o.p.: c.f. : .
18	8·1	62	+ 1·6	− 0·5	197	1·7	2·2	− 1·3	24·6	26·2	28·3	...	...	30·1	30·3	c.f. o.p. .
19	2·8	22	+ 0·2	+ 2·0	96	2·0	2·2	− 1·3	24·8	26·3	28·4	...	...	29·8	29·4	o. g. l. : .
20	12·1	93	+ 0·4	+ 2·4	100	2·4	2·7	− 0·8	24·9	26·4	28·4	...	...	29·1	29·0	f. .
21	11·1	85	+ 2·2	+ 1·9	139	2·9	3·5	0·0	24·9	26·4	28·4	...	...	29·6	29·6	f. : cp. : c. f . .
22	5·9	45	0·0	+ 2·9	90	2·9	3·0	− 0·5	25·0	26·3	28·6	...	...	29·4	29·1	c. . f. l. .
23	6·9	53	− 0·6	+ 3·9	81	3·9	4·0	+ 0·5	24·9	26·4	28·6	...	...	28·7	28·3	:l. c.p. : c. .
24	10·3	78	+ 0·3	+ 5·0	93	5·0	5·2	+ 1·7	24·9	26·6	28·5	...	...	28·5	28·2	: c f. : e. .
25	9·9	76	+ 0·4	+ 5·1	95	5·1	5·2	+ 1·7	24·9	26·4	28·4	...	...	28·4	28·2	c.p. : c. f. : c. .
26	2·7	21	+ 0·6	+ 4·0	99	4·0	4·1	+ 0·6	24·8	26·3	28·3	...	...	28·4	27·9	o. g.r. : c. .
27	4·2	33	+ 0·1	+ 3·1	92	3·1	3·1	− 0·4	24·9	26·4	28·2	...	...	28·1	27·6	o. : .
28	8·2	63	− 0·3	+ 1·6	79	1·7	2·3	− 1·2	24·9	26·6	28·1	...	...	28·4	28·4	f. : o. g.l. .
29	8·2	63	− 0·5	+ 1·8	74	1·8	2·2	− 1·3	24·9	26·6	28·1	...	...	28·6	27·8	. : c.f. : o.r. : f. .
30	6·4	49	+ 1·1	+ 1·2	133	1·6	2·3	− 1·2	25·1	26·6	28·2	...	...	28·4	28·2	c. f. : c. .
31	9.7	75	+ 0.3	− 0·3	225	0.4	1·9	− 1.6	25·1	26·6	28.2	...	...	29.2	29.1	c. p. : o. g.r. .
Mean	8·81	67·3	+0·31	+ 2·22	97·9	2·24	3·04	−0·46	24·77	26·27	28·20	...	...	28·82	28·61	...
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 1923.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1010·1 m.b.s.	at	8h&9h	on 1st	1003·7 m.b.s.	at	16h	on 16th
Temperature of the Air	32·°9C	at	13.45h	on 18th	19·°0C	at	4h	on 6th
Daily range of temperature of the Air...	11·°1C		...	on 18th	5·°2C		...	on 26th
Temperature of the Dew Point	24·°2C	at	22h	on 31st	16·°1C	at	12h	on 11th
Daily range of temperature of the Dew Point	5·°1C		...	on 3rd	1·°9C		...	on 16th
Relative humidity...	97·1%	at	22h	on 31st	47·2%	at	14h	on 11th
Wind Velocity	8·4 m.p.s.	at	10h	on 24th	0·6 m.p.s.		often	
Rainfall	41·2 mm.	ending	17h	on 29th				
Temperature of the soil at 3 ins. ...	32·6°C	at	18h	on 18th	25·°8C	at	3h	on 6th
,, ,, at 6 ins. ...	31·°2C	at	21h	on 18th	27·°1C	at	9h	on 6th
Duration of sunshine	12·4h		...	on 12th & 13th	2·7h		...	on 26th
Amount of Evaporation	11·4 mm.		...	on 29th	3·2 mm.		...	on 5th
Vapour Tension	27·3 mbs		...	on 31st	20·7 m.b.s.		...	on 11th
Minimum on Grass					16·°1C		...	on 25th

Number of Days Overcast 4, Clear 1, of Rain 22, of Lightning 3, of Thunderstorm 0.

Mean Day Temperature of Air 27·°77C, Average 27·°74C. Mean Night Temperature of Air 23·°64C, Average, 23·°98C.

* South (0°); East (90°); North (180°); West (270°). † Thermometers 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 1923.

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	0098	0087	0081	0089	0088	0077	0077	0085	0083	0086	0097	0092	0094	0087	0072	0049	Midnight
1h	0094	0080	0077	0084	0084	0072	0073	0080	0080	0081	0094	0087	0088	0083	0065	0044	1h
2	0093	0077	0072	0080	0079	0064	0060	0075	0070	0075	0094	0084	0089	0077	0060	0043	2
3	0092	0073	0071	0075	0075	0059	0067	0075	0066	0075	0085	0084	0085	0078	0060	0042	3
4	0091	0073	0071	0069	0075	0057	0066	0075	0068	0077	0084	0081	0085	0078	0062	0046	4
5	0091	0071	0071	0070	0070	0057	0065	0076	0066	0081	0086	0081	0087	0081	0065	0049	5
6	0096	0076	0074	0076	0080	0068	0072	0082	0070	0086	0091	0088	0093	0084	0069	0056	6
7	0100	0078	0079	0078	0083	0074	0081	0081	0072	0090	0090	0091	0098	0088	0067	0058	7
8	0101	0077	0081	0079	0086	0077	0084	0079	0072	0091	0091	0092	0098	0088	0066	0058	8
9	0101	0082	0084	0082	0086	0079	0085	0083	0077	0092	0095	0094	0099	0085	0062	0060	9
10	0098	0080	0085	0082	0083	0078	0082	0083	0073	0089	0093	0093	0092	0080	0058	0059	10
11	0092	0082	0088	0082	0082	0078	0082	0081	0070	0087	0087	0090	0091	0079	0057	0058	11
Noon	0089	0075	0082	0075	0074	0075	0075	0071	0065	0082	0081	0086	0087	0077	0054	0056	Noon
13h	0088	0071	0081	0071	0067	0074	0075	0069	0062	0078	0080	0081	0078	0068	0048	0051	13h
14	0081	0067	0076	0066	0066	0071	0071	0069	0059	0075	0075	0077	0077	0059	0041	0045	14
15	0077	0067	0071	0068	0056	0063	0066	0064	0056	0070	0067	0071	0074	0053	0035	0039	15
16	0074	0061	0070	0069	0056	0061	0064	0063	0057	0073	0068	0070	0072	0050	0030	0037	16
17	0073	0062	0070	0064	0059	0062	0065	0065	0060	0075	0070	0068	0074	0056	0030	0039	17
18	0077	0064	0075	0068	0066	0057	0072	0070	0067	0081	0074	0076	0077	0058	0035	0044	18
19	0081	0069	0080	0076	0069	0067	0077	0079	0077	0089	0078	0081	0085	0066	0041	0052	19
20	0087	0076	0086	0081	0070	0070	0085	0084	0084	0096	0087	0086	0088	0072	0047	0056	20
21	0087	0081	0089	0087	0076	0073	0088	0086	0089	0098	0090	0091	0095	0074	0051	0059	21
22	0088	0086	0091	0093	0079	0075	0090	0088	0092	0100	0097	0096	0097	0077	0056	0065	22
23	0090	0084	0093	0092	0078	0074	0094	0085	0090	0100	0097	0096	0097	0076	0054	0063	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	0059	0057	0058	0063	0074	0098	0093	0083	0094	0086	0086	0076	0076	0073	0064	1008.0	Midnight
1h	0055	0055	0055	0055	0073	0093	0084	0074	0088	0079	0082	0075	0069	0064	0055	1007.5	1h
2	0045	0048	0049	0048	0062	0088	0077	0071	0082	0074	0075	0067	0062	0055	0048	1006.9	2
3	0045	0050	0048	0044	0061	0084	0076	0068	0081	0070	0073	0066	0059	0054	0046	1006.7	3
4	0046	0052	0045	0047	0062	0086	0079	0068	0079	0068	0071	0064	0059	0052	0044	1006.7	4
5	0052	0056	0054	0051	0066	0089	0078	0072	0083	0070	0070	0065	0063	0054	0046	1006.9	5
6	0056	0058	0056	0056	0070	0097	0084	0077	0087	0079	0076	0067	0070	0055	0049	1007.4	6
7	0059	0065	0067	0065	0077	0105	0087	0085	0094	0082	0080	0071	0074	0059	0055	1007.9	7
8	0061	0067	0066	0065	0081	0105	0087	0086	0096	0087	0086	0075	0075	0060	0058	1008.0	8
9	0062	0066	0066	0065	0087	0108	0088	0088	0099	0090	0086	0076	0077	0063	0060	1008.2	9
10	0059	0065	0065	0065	0087	0102	0085	0086	0097	0089	0084	0077	0075	0065	0060	1008.0	10
11	0057	0057	0061	0067	0086	0097	0084	0085	0094	0086	0081	0075	0074	0064	0058	1007.8	11
Noon	0057	0057	0060	0062	0085	0092	0081	0080	0090	0084	0075	0071	0071	0060	0053	1007.4	Noon
13h	0052	0053	0056	0060	0082	0088	0071	0078	0088	0080	0075	0067	0065	0057	0050	1007.0	13h
14	0048	0047	0050	0054	0077	0081	0069	0074	0087	0074	0069	0064	0064	0048	0046	1006.5	14
15	0047	0046	0048	0050	0078	0076	0064	0072	0080	0074	0064	0061	0061	0044	0038	1006.1	15
16	0046	0045	0047	0050	0073	0076	0065	0068	0076	0073	0062	0061	0062	0040	0038	1006.0	16
17	0047	0047	0047	0051	0081	0081	0069	0070	0077	0077	0062	0060	0060	0037	0039	1006.1	17
18	0056	0054	0053	0056	0090	0088	0073	0076	0080	0080	0064	0066	0061	0046	0043	1006.6	18
19	0060	0057	0057	0065	0096	0094	0080	0083	0087	0082	0070	0074	0065	0051	0048	1007.2	19
20	0064	0063	0062	0069	0097	0097	0083	0088	0088	0086	0074	0078	0071	0055	0056	1007.7	20
21	0070	0068	0066	0074	0098	0098	0084	0095	0093	0088	0080	0082	0076	0063	0062	1008.1	21
22	0069	0069	0070	0075	0104	0099	0085	0096	0094	0090	0084	0083	0078	0065	0064	1008.4	22
23	0063	0067	0069	0076	0104	0097	0083	0095	0092	0087	0083	0080	0075	0066	0067	1008.3	23

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

Hour. \ Day.	JANUARY 1923.																															
	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	2	5	6	3	1	9	4	3	9	0	2	3	2	4	2	10	5	10	2	4	4	3	8	6	9	9	2	5	3	9	4·7
1h	1	3	3	4	4	1	9	4	7	8	0	3	3	2	4	2	10	5	10	1	5	3	3	5	6	9	6	3	6	3	9	4·6
2	2	2	2	2	5	1	8	8	6	6	2	3	2	4	3	1	9	4	10	1	5	3	3	3	8	9	8	5	2	2	8	4·4
3	2	2	1	1	1	1	8	8	2	6	2	2	4	6	1	7	5	2	10	0	5	0	8	1	1	10	10	0	0	3	8	3·8
4	5	2	2	1	2	2	8	4	4	3	3	6	4	7	3	4	8	1	10	1	6	1	7	4	4	7	7	3	0	2	4	4·0
5	6	3	5	3	2	2	6	3	3	3	5	4	4	6	6	4	4	3	10	3	7	2	9	6	5	8	7	4	2	3	5	4·6
6	10	4	7	2	1	2	5	3	2	4	5	2	4	5	4	6	4	2	10	4	8	4	7	4	6	10	9	1	1	6	8	4·8
7	9	5	6	2	1	1	5	4	5	3	6	3	2	6	3	6	3	2	9	2	7	3	7	3	7	8	7	1	1	5	6	4·5
8	7	5	6	3	1	2	4	5	5	3	7	5	3	9	6	7	7	3	10	4	8	2	6	3	7	7	7	3	2	3	5	5·0
9	8	6	5	4	8	4	4	6	5	3	5	2	4	8	6	6	6	3	10	5	7	5	7	3	6	9	7	4	3	5	5	5·5
10	7	6	6	5	8	5	4	5	6	3	6	6	4	8	6	6	5	4	8	2	5	5	8	7	5	8	7	6	3	7	6	5·7
11	6	9	6	7	9	7	4	5	6	4	6	5	4	8	5	5	6	5	8	3	5	6	8	7	6	7	8	5	5	7	6	6·1
Noon	6	9	6	7	9	8	4	4	6	2	4	4	5	8	5	5	6	2	7	3	5	4	7	6	5	7	8	4	4	7	5	5·5
13h	6	7	6	8	8	8	5	3	5	2	5	4	5	7	6	3	4	4	7	5	6	5	6	7	5	7	7	7	6	8	3	5·6
14	8	9	5	8	7	8	5	3	5	3	3	5	5	7	6	2	5	3	8	6	6	5	6	6	5	7	7	8	7	6	6	5·8
15	6	10	5	8	9	8	4	3	4	3	8	4	3	7	6	3	6	6	8	5	6	5	7	5	4	7	7	7	9	6	7	6·0
16	4	10	5	8	10	8	5	5	3	3	6	4	4	9	7	4	6	9	9	4	5	9	8	7	8	8	7	9	9	8	7	6·7
17	6	10	4	7	10	9	5	5	1	3	4	5	3	8	7	5	8	8	9	5	5	8	8	10	6	10	6	9	7	8	7	6·6
18	4	9	3	9	10	9	6	8	0	4	6	4	2	10	6	7	8	9	9	4	7	8	10	8	9	10	9	10	7	9	8	7·2
19	3	5	4	8	10	9	2	7	0	2	4	7	6	7	6	4	9	10	8	2	4	5	7	6	5	8	10	10	8	7	10	6·2
20	2	3	6	6	5	8	0	5	0	2	3	3	7	3	2	3	6	10	9	2	4	7	9	5	8	6	10	10	7	7	10	5·5
21	4	2	5	6	4	8	0	5	0	0	0	2	8	4	2	2	3	10	7	2	4	8	8	8	8	7	7	10	5	6	10	5·0
22	3	1	4	5	2	8	1	1	1	1	1	2	3	8	4	2	6	10	6	3	1	4	5	5	6	6	5	6	1	6	10	4·1
23	3	3	4	3	1	8	2	2	4	0	2	1	2	5	2	8	4	10	2	2	3	3	3	8	8	9	4	2	2	8	10	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.	JANUARY 1923.																															
	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	Tota
	m.	m.	m.	m.	m.	m.	m.	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	12	8	14	32	0	0	12	14	4	0	8	7	0	0	7	8	15	0	0	0	0	0	0	0	0	0	12	16	8	0	2·9
7	2	50	50	55	55	25	41	60	60	59	45	60	60	45	48	40	60	60	0	50	50	12	24	45	18	4	3	60	60	60	42	21·7
8	19	55	60	60	60	60	50	60	45	60	3	60	60	8	60	32	50	60	0	60	60	60	58	60	58	15	40	60	60	60	50	25·1
9	15	59	60	60	55	60	60	60	60	60	30	53	60	50	60	57	60	60	0	60	60	13	54	60	60	0	20	60	60	60	46	25·5
10	57	38	60	60	17	60	60	60	60	60	60	60	60	54	60	50	60	60	0	60	56	47	12	60	60	8	20	60	60	36	60	25·6
11	60	3	60	60	40	60	60	39	60	60	60	60	60	55	38	50	60	60	4	60	55	60	36	46	60	56	7	60	50	50	40	25·5
Noon	60	36	60	60	22	5	60	60	60	60	60	60	60	30	33	39	60	60	53	60	60	60	18	60	60	59	5	60	60	38	55	25·6
13h	55	52	60	18	14	14	60	60	60	60	60	60	60	30	45	55	60	60	22	60	60	60	52	52	60	18	0	55	44	0	60	23·8
14	60	35	60	5	0	18	60	60	60	60	60	60	60	60	52	60	60	45	26	60	60	42	60	60	60	0	28	38	13	4	60	23·1
15	60	17	57	0	1	45	60	60	60	60	60	60	60	55	60	60	60	4	5	60	60	0	60	60	50	0	28	20	0	9	60	20·8
16	60	0	60	8	0	48	60	30	29	60	60	60	60	30	55	60	60	2	47	60	60	0	38	60	36	0	60	0	14	48	54	20·3
17	58	0	60	52	0	0	60	0	53	60	60	60	60	14	52	60	60	0	12	60	52	0	2	50	60	0	21	4	32	12	8	17·1
18	60	0	52	0	8	0	60	32	55	60	60	60	60	6	58	44	23	0	0	60	30	0	1	2	15	0	16	0	23	0	44	13·8
19	17	0	0	1	0	0	8	0	10	15	21	22	15	0	14	0	0	0	0	19	1	0	0	1	0	0	6	0	0	2	0	2·5

The total amount of registered sunshine was 319·1 hours and the total possible sunshine 411·5 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 1923.

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	23·6	3·1	23·7	2·4	23·2	1·7	24·2	1·7	23·0	1·3	21·5	1·0	23·1	1·1	23·1	1·4	Midnight
1h	23·3	2·9	23·6	2·4	22·9	1·7	24·3	1·5	...	.	...	...	22·9	1·0	23·0	1·3	1
2	23·2	2·9	23·5	2·3	22·0	1·2	23·9	1·4	...	...	...	...	23·0	1·2	23·1	1·2	2
3	23·0	2.8	23·5	2·1	21·9	1·0	23·5	1·3	...	...	...	..	23·0	1·2	22·9	0·9	3
4	23·4	2·5	23·2	1·7	21·6	1·1	23·4	1·2	20·9	1·0	19·8	0·8	22·5	1·0	22·5	0·8	4
5	23·1	2·1	23·2	1·7	22·0	1·1	23·3	1·1	...	...	..	...	21·7	1.0	21·7	0·7	5
6	24·3	2·2	23·6	1·6	22·5	1·2	23·5	1·1	...	...	21·4	0·4	21·8	0·9	21·8	0·8	6
7	23·2	1·2	25·2	2·3	24·3	2·1	25·6	2·1	22·3	0·9	22·6	0·7	25·2	1·9	24·3	1·3	7
8	24·2	2·3	26·4	3·5	25·4	3·0	27·3	3·8	...	...	25·3	3·3	26·5	3·4	26·0	2·7	8
9	25·4	3·5	27·5	4·2	26·6	4·2	28·4	5·5	28·2	4·8	28·0	6·1	27·7	4·7	27·4	4·0	9
10	27·5	4·5	27·8	4·9	27·5	5·0	29·0	5·9	28·7	5·1	28·2	5·9	28·7	5·7	27·5	4·3	10
11	28·9	6·1	27 0	4·1	28·3	5·7	30·3	6·8	29·2	5·5	28·5	5·7	29·2	6·1	27·3	4·5	11
Noon	29·0	6·0	28·1	5·2	28·9	6·0	31·0	7·3	28·9	5·1	27·9	4·9	29·2	5·8	28·8	5·8	Noon
13h	28·6	5·5	28·8	5·6	29·3	5·0	29·8	6·6	28·9	5·5	29·0	5·8	29·9	6·6	29·0	5·3	13h
14	28·7	6·2	28·4	5·5	28·9	4·0	29·6	6·4	26·3	3·3	28·5	5·2	29·7	6·7	29·5	6·3	14
15	28·9	6·0	26·5	2 6	28·9	3·9	29·2	6·3	26·2	3·3	29·9	6·2	29·7	7·0	29·4	6·4	15
16	28·2	5·3	23·7	0·8	28·5	3·3	...	...	25·9	3·9	28·4	5·0	28·9	6·4	28·6	5·6	16
17	27·9	5·5	23·6	1·0	28·6	3·5	...	...	24·9	2·2	24·9	1·9	28·2	5·6	26·6	3·6	17
18	27·0	4·5	24·3	1·8	27·3	3·9	25·9	3·0	24·3	2·3	24·7	1·5	26·4	4·0	26·4	4·2	18
19	25·0	3·5	23·7	1·6	26·0	3·3	...	...	23·2	1·3	24·3	1·2	25·6	3·4	25·6	3·6	19
20	24·5	3·4	23·5	1·7	25·1	2·7	...	...	23·4	1·7	23·6	1·1	24·9	2·4	24·9	2·9	20
21	24·4	3·0	23·6	2·3	24·3	2·2	25·0	2·4	22·5	1·1	23·2	1·3	24·2	1·9	24·4	2·3	21
22	24·1	2·4	23·0	1·8	24·2	2·0	...	...	21·6	0·8	23·1	1·3	23·9	1·8	23·9	1·8	22
23	24·0	2·1	23·4	1·7	23·7	1·8	...	...	21·3	0·8	22·9	1·3	23·6	1·7	23·7	1·7	23

Day. / Hour.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	23·5	1·5	23·1	2·1	22·7	2·2	21·8	2·3	23·4	2·5	23·3	1·4	23·4	1·3	22·5	1·1	Midnight
1h	23·2	1·2	23·1	1·2	22·1	1·9	22·3	2·3	22·6	2·0	23·1	1·3	23·1	1·2	22·3	1·2	1h
2	22·9	1·0	23·2	1·6	21·6	1·7	21·7	2·3	22·5	1·5	23·3	1·2	22·2	0·5	22·0	1·1	2
3	22·7	1·1	22·9	1·7	21·2	1·7	21·6	2·3	22·1	1·3	23·0	1·1	21·9	0·5	22·1	1·3	3
4	22·5	1·2	22·6	1·5	21·3	1·6	21·8	1·5	22·9	2·2	22·8	1·1	21·7	0·8	21·9	1·2	4
5	22·6	1·3	22·1	1·4	22·0	2·0	21·5	1·3	22·9	1·4	22·9	0·9	21·6	0·9	22·1	0·9	5
6	22·5	1·3	21·9	1·7	22·3	1·3	21·5	1·5	22·6	1·6	22·6	0·8	22·1	1·0	22·5	1·2	6
7	23·8	1·4	24·0	2·5	24·5	2·3	23·9	2·1	25·0	2·9	25·3	1·9	24·5	2·7	23·7	1.2	7
8	24·9	2·0	26·4	5·1	24·3	2·4	25·8	4·3	26·2	4·1	23·6	0·7	26·9	4·6	27·1	3·5	8
9	26·8	3·8	27·8	6·4	24·4	2·4	26·9	5·0	26·9	4·9	25·5	1·8	27·5	4·8	28·3	4·4	9
10	27·7	4·7	28·2	6·2	27·5	6·0	28·3	6·3	27·7	5·2	26·6	3·1	28·9	5·5	28·9	4·9	10
11	27·4	4·4	28·0	5·6	28·4	7·0	28·5	6·6	28·4	6·0	27·7	3·5	29·0	5·2	29·8	4·9	11
Noon	29·1	6·0	28·7	6·0	28·8	7·6	28·8	6·7	28·2	5·7	27·6	3·9	29·5	5·5	29·0	4·8	Noon
13h	29·8	7·2	28·9	6·9	29·0	7·3	28·9	6·9	29·0	6·4	27·7	4·1	30·5	6·2	30·5	6·5	13h
14	29·8	7·1	29·0	6·6	29·0	7·5	29·0	7·0	28·2	5·7	28·6	5·3	30·3	6·2	30·3	6·3	14
15	28·5	5·5	28·9	7·2	28·5	6·8	29·1	7·1	28·5	6·5	28·9	5·1	31·0	6·8	30·3	5·9	15
16	27·2	5·1	28·7	7·2	28·0	6·0	28·7	7·0	28·1	5·8	26·5	3·1	31·1	6·6	29·9	5·8	16
17	27·8	6·8	28·1	6·7	26·9	5·0	27·8	6·5	27·1	5·0	25·9	2·9	30·2	6·0	29·7	5·7	17
18	26·5	5·4	26·9	5 6	26·5	4·8	27·0	5·5	26·5	4·5	25·6	2·9	28·3	4·6	28·3	4·5	18
19	25·4	4·3	25·5	4·3	25·1	4·0	26·0	4·4	25·1	3·1	25·2	2·3	26·9	3·9	26·9	3·4	19
20	24·2	3·0	24·8	3·8	24·5	3·6	25·5	4·1	25·0	2·8	24·1	1·3	26·3	2·9	26·2	2·9	20
21	23·7	2·4	23·8	2·8	23·6	3·1	25·1	3·8	24.0	1·3	24·2	1·3	25·0	2·2	25·2	2·2	21
22	22·9	2·3	23·7	2·8	23·1	2·8	24·8	3·6	23·0	1·3	23·7	1·1	24·0	2·0	24·3	1·9	22
23	22·9	2·4	23·2	2.7	22·4	2·4	24·7	3·2	22·3	1·0	23·7	1·2	23·1	1·5	24·5	1·9	23

* Registering light failed. Interpolated from eye observations.

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°)

JANUARY 1923

Hour \ Day.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	23·9	1·0	23·9	1·7	23·3	1·1	23·5	2·0	24·9	2·2	24·5	1·5	23·0	2.1	23·7	1·6	Midnight
1h	23·1	1·2	23·6	1.6	23·6	1·4	23·9	2·7	24·7	2·1	23·7	1·6	23·0	2·3	23·3	1·6	1h
2	23·2	1·1	23·4	1·6	23·4	1·3	22·5	1·4	24·2	1·4	23·6	1·0	22·1	2·0	23·3	1·3	2
3	23·3	1·0	22·9	1·5	23·4	1·0	22·0	1·2	24·3	1·1	23·4	1·1	22·5	1·9	23·6	1·5	3
4	23·1	1·0	22·4	1·3	23·5	1·0	21·9	1·2	24·2	1·1	23·3	1·2	22·3	1·1	23·7	1·7	4
5	22·9	0·9	22·2	1·2	23·2	0·9	21·8	1·3	24·1	0·9	23·5	1·4	22·5	1.2	23·7	1·7	5
6	22·4	0·7	21·8	1·1	23·0	1·0	22·0	1·3	24·5	1·2	23·7	1·3	21·6	1·1	23·8	1·7	6
7	25·0	1·4	24·8	1·5	22·7	1·6	23·7	1·7	25·7	2·0	24·5	1·0	23·4	1·5	25·1	2·5	7
8	27·0	2·6	27·5	4·1	23·6	2·1	26·3	3·7	27·2	3·2	26·9	3·1	26·0	2·8	26·7	3·9	8
9	28·0	3·4	29·1	5·4	24·9	2·5	27·7	5·1	28·5	4·2	25·2	1·8	27·5	4·7	27·7	4·8	9
10	28·8	4·3	30·5	5·5	24·0	2·3	28·0	6·4	30·4	6·1	27·5	3·6	24·1	2·1	28·3	5·1	10
11	29·6	4·9	31·7	7·8	26·9	4·6	29·2	6·3	30·5	6·1	27·3	3·2	27·9	5·4	27·7	4·6	11
Noon	31·0	5·6	32·2	7·2	28·7	5·3	29·6	6·3	30·7	6·3	28·7	5·0	27·3	4·6	29·3	6·3	Noon
13h	31·1	5·8	32·6	7·3	27·7	4·5	30·1	6·7	31·3	7·3	29·2	5·7	29·0	5·9	27·0	3·5	13h
14	31·2	6·3	32·6	7·6	26·5	4·9	29·8	6·8	31·5	7·6	27·7	4·1	29·0	6·0	29·4	6·5	14
15	30·3	6·0	30·9	6·5	27·0	3·7	29·6	6·5	32·4	8·2	27·2	4·4	29·2	6·8	29·2	6·2	15
16	30·5	6·1	30·5	6·3	28·3	5·6	29·2	6·3	30·5	7·0	27·1	4·2	27·9	5·0	29·1	5·9	16
17	30·2	5·7	29·1	6·0	27·2	4·6	29·0	6·0	29·0	5·3	26·5	4·4	27·2	4·4	28·0	5·3	17
18	28·5	4·8	28·4	4·2	26·6	3.8	28·1	5·6	28·0	4·2	25·0	2·7	26·5	4·3	26·6	4·0	18
19	27·5	4·1	26·0	2·8	24·5	1·7	26·5	3·6	26·6	3·1	24·2	1·7	25·7	3·8	26·0	3·9	19
20	26·9	3·5	25·0	1·7	23·5	2·3	25·9	3·0	25·7	2·2	24·1	1·6	25·2	3·2	25·4	3·4	20
21	26·2	2·7	24·4	1·5	23·4	2·3	25·4	2·4	25·0	1·6	24·0	1·8	25·0	2·5	25·0	3·0	21
22	25·5	2·5	24·2	1·3	23·6	2·6	25·3	2·3	24·4	1·8	23·7	1·9	24·6	2·0	25·1	3·1	22
23	24·5	2·1	23·7	1·6	23·5	2·1	25·0	2·0	24·1	1.7	23·4	2·2	24·1	2·2	25·1	3·1	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.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	24·0	2·0	24·2	1·5	23·9	2·0	24·0	2·0	22·5	1·4	22·2	1·1	24·9	1·5	23·5	1·7	Midnight
1h	23·9	1·5	24·5	1·6	24·1	2·2	23·7	1·9	22·7	1·5	22·0	1·0	24·7	1·1	23·2	1·7	1h
2	23·8	1·7	23·6	1·4	23·4	1·9	23·1	1·5	22·1	1·1	21·9	0·9	24·8	1·2	23·3	1·4	2
3	23·7	1·7	23·9	1·2	23·4	1·8	23·2	1·8	21·8	1·1	21·6	0·8	24·2	1·1	22·8	1·4	3
4	23·8	1·9	24·0	1·2	23·1	1·7	23·2	1·5	21·5	1·2	21·7	0·8	24·0	0·9	22·7	1·3	4
5	23·6	2·0	23·3	1·1	22·9	1·7	22·9	1·8	21·2	1.1	21·3	0·6	23·7	0·8	22·6	1·2	5
6	24·0	2·6	23·6	1·1	22·7	1·6	22·5	1·2	21·4	1·0	21·5	0·8	23·4	1·2	22·6	1·3	6
7	24·9	2·9	24·3	1·3	24·0	1·9	24·5	1·7	24·4	1·5	24·1	1·1	23·9	0·6	24·4	1·8	7
8	26·0	3·8	25·4	2·2	25·2	2·1	26.8	3·7	26·5	3·2	26·2	2·7	25·9	1·8	26·0	3·1	8
9	26·5	4·1	24·7	1·7	26·9	4·0	28·0	4.8	27·9	4·6	27·7	3·9	28·3	3·0	27·0	4·0	9
10	27·9	5·3	25·0	1·5	27·9	4·9	28·7	5·5	29·0	5·9	28·3	4·5	30·0	4·3	27·9	4·8	10
11	28·5	6·4	27·4	3·7	28·3	4·4	30·0	6·5	29·7	6·3	29·0	4·6	29·5	4·1	28·6	5·3	11
Noon	29·2	6·3	27·9	4·4	28·4	5·3	30·5	7·0	30·3	6·6	28·4	3·8	30·1	4·2	29·1	5·7	Noon
13h	29·1	6·4	28·1	5·1	28·5	5·3	30·8	7·2	30·2	6·7	26·2	2·2	30·5	5·0	29·2	5·9	13h
14	29·1	6·3	27·9	4·7	28·6	5·3	30·4	6·8	28·2	4·5	28·4	3·4	31·4	5·4	29·2	6·0	14
15	29·0	6·3	27·7	4·6	28·4	5·3	30·0	6·0	24·8	1·6	29·2	4·5	30·9	5·4	29·0	5·6	15
16	26·1	3·0	27·4	4·2	28·7	5·9	28·6	4·9	24·2	1·1	29·2	4·7	30·0	4·5	28·3	5·1	16
17	27·7	5·0	26·7	2·8	27·5	5·0	27·5	3·8	25·3	2·1	28·5	4·5	27·8	2·9	27·7	4·7	17
18	26·4	3·8	26·1	3·6	26·8	4·3	25·7	2·2	25·0	2·1	27·9	4·2	26·6	2·0	26·8	4·0	18
19	25·5	3·1	25·4	2·9	25·6	3·2	23·4	1·3	24·2	1·6	27·0	3·3	25.9	1·7	25·6	3·1	19
20	25·1	2·7	25·0	2·6	25·3	3·0	23·4	1·5	23·9	1·7	26·5	2·6	24·9	0·7	25·0	2·6	20
21	25·0	2·3	24·6	2·4	24·8	2·7	23·9	1·4	23·4	1·5	25·9	2·2	24·8	0·7	24·5	2·2	21
22	24·8	1·8	24·2	2·3	24·5	2·3	23·7	1·1	23·1	1·2	24·8	1·7	24·7	0·3	24·1	2·0	22
23	24·2	1·2	24·0	2.2	24·2	2·2	22·9	1·6	22·6	1·1	24·7	1·5	24·2	0·3	23·8	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.)

JANUARY 1923.

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	878	953	891	921	900	923	900	922	896	907	893	907	912	888	895	911	Midnight
1h	876	936	881	928	900	922	900	921	892	910	892	908	898	912	895	911	1h
2	882	944	881	919	900	922	900	920	893	909	889	911	896	906	892	918	2
3	891	942	889	928	900	916	900	915	893	909	892	908	897	906	887	908	3
4	890	924	881	928	900	914	890	925	891	912	882	918	897	906	888	900	4
5	885	923	880	930	900	919	891	921	891	913	885	915	896	910	888	900	5
6	885	937	877	935	900	921	894	915	893	910	887	913	894	914	885	900	6
7	888	930	882	943	900	933	892	920	896	907	891	909	896	918	884	903	7
8	874	940	879	950	900	937	900	931	902	911	889	911	906	928	885	924	8
9	868	947	876	958	909	944	911	927	907	909	890	904	908	937	895	926	9
10	871	969	874	963	900	943	905	925	917	883	885	900	909	943	909	943	10
11	877	955	880	948	908	937	912	931	937	900	915	876	907	935	906	931	11
Noon	866	951	878	954	907	934	917	925	926	900	908	881	906	931	918	944	Noon
13h	887	965	872	968	908	938	923	923	922	895	905	877	908	941	910	951	13h
14	877	956	889	955	909	942	938	925	921	896	905	874	910	947	990	945	14
15	872	967	912	957	908	938	861	861	866	923	908	880	907	936	888	957	15
16	875	960	907	935	907	935	909	898	879	921	910	876	900	939	890	950	16
17	887	965	900	945	906	931	910	907	887	900	918	892	900	937	891	945	17
18	900	953	900	945	906	931	902	912	904	910	891	879	892	941	889	952	18
19	877	956	895	924	905	923	900	917	901	907	908	862	884	939	893	935	19
20	884	939	900	934	900	919	900	907	894	906	906	894	888	930	891	922	20
21	888	931	900	936	900	918	900	907	893	910	907	893	889	926	891	922	21
22	887	934	900	930	900	918	897	907	887	913	908	892	893	915	890	914	22
23	889	928	900	925	900	919	896	906	890	910	909	891	894	914	894	908	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	890	915	893	916	894	915	894	915	907	915	892	920	898	906	911	898	Midnight
1h	892	911	896	909	895	911	893	916	904	910	893	917	896	909	913	897	1h
2	889	917	897	906	894	913	895	925	902	911	893	916	895	912	900	913	2
3	890	915	897	908	894	915	895	926	900	915	893	917	896	909	895	912	3
4	892	910	897	904	893	916	892	939	894	913	895	912	896	909	897	907	4
5	891	912	896	910	889	928	897	915	896	910	895	912	895	912	897	906	5
6	891	921	896	910	894	929	898	910	898	910	893	915	902	910	897	906	6
7	896	920	895	923	900	934	895	925	894	915	897	917	902	908	897	908	7
8	900	927	900	937	900	941	914	935	900	935	900	918	930	912	934	886	8
9	900	935	900	957	916	939	932	947	913	935	917	941	945	909	933	878	9
10	893	936	900	942	923	935	927	941	916	939	924	936	932	907	917	875	10
11	892	941	911	953	922	954	925	937	924	936	930	946	941	892	919	872	11
Noon	889	952	911	952	918	944	932	947	926	940	931	931	944	891	922	868	Noon
13h	889	955	911	954	918	945	924	936	931	946	925	937	934	893	916	860	13h
14	890	948	912	957	923	955	929	944	924	957	928	941	953	889	913	866	14
15	888	957	914	967	924	936	930	946	923	955	917	943	954	889	914	865	15
16	890	950	909	957	917	941	927	941	918	944	918	944	959	888	924	864	16
17	888	957	887	962	924	936	925	938	921	950	900	937	950	890	921	868	17
18	900	943	889	953	918	943	917	942	921	950	889	929	932	900	910	877	18
19	906	928	900	954	913	933	916	940	910	947	906	929	922	900	910	877	19
20	900	921	900	942	900	934	914	935	909	942	900	921	914	897	905	889	20
21	900	910	897	917	896	918	914	936	911	928	900	915	907	899	903	894	21
22	900	915	890	923	893	915	904	921	895	924	900	911	907	899	903	894	22
23	896	909	895	911	894	914	910	924	890	925	897	907	911	898	907	884	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 1923.

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	906	915	909	900	890	908	894	915	892	919	900	929	890	924	893	935	Midnight
1h	900	918	907	900	890	908	892	911	892	918	903	917	890	924	889	928	1h
2	893	916	907	900	890	907	893	916	895	925	900	917	894	914	900	940	2
3	897	905	906	900	898	910	895	912	900	926	900	916	893	916	900	936	3
4	893	910	911	900	897	907	895	911	905	926	895	911	891	913	900	927	4
5	897	908	911	900	895	912	896	910	906	929	892	919	888	918	900	939	5
6	896	910	908	900	894	915	896	910	907	916	894	913	888	918	908	941	6
7	895	911	906	915	906	928	894	915	932	921	892	940	892	919	910	947	7
8	921	896	926	895	895	923	923	934	942	917	889	926	891	944	911	954	8
9	926	889	927	894	900	922	929	943	949	910	887	934	889	952	912	957	9
10	929	871	925	875	900	930	923	934	963	913	889	926	887	966	932	978	10
11	936	876	943	882	914	936	920	930	966	913	917	942	890	951	925	959	11
Noon	933	878	955	864	921	932	924	936	943	909	909	943	900	951	909	943	Noon
13h	933	878	931	869	920	930	925	937	948	910	910	951	900	936	916	979	13h
14	930	870	934	866	911	929	911	928	957	912	909	943	900	965	914	967	14
15	926	874	929	894	906	930	911	929	939	908	911	955	900	971	900	979	15
16	924	864	931	888	017	925	915	937	934	923	907	932	900	949	886	972	16
17	922	878	914	886	909	921	911	928	911	926	909	942	900	967	888	961	17
18	918	882	910	893	908	919	906	929	915	923	900	944	900	949	888	961	18
19	916	893	909	898	900	928	890	925	909	921	900	920	900	948	892	938	19
20	910	900	904	918	894	915	892	918	904	921	904	918	900	939	892	941	20
21	906	900	897	913	893	916	887	919	905	923	897	914	894	931	892	941	21
22	906	900	896	910	896	918	890	923	900	920	891	921	893	933	900	939	22
23	907	900	894	914	896	918	892	919	900	924	893	916	894	927	900	948	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	900	935	892	939	895	925	889	926	890	915	891	912	900	911	896	917	Midnight
1h	900	928	900	930	900	920	891	922	892	910	893	910	898	908	895	915	1h
2	900	941	900	933	900	926	891	913	892	910	890	914	893	905	895	917	2
3	900	944	900	939	900	921	889	917	890	915	892	911	894	894	896	917	3
4	900	942	900	935	897	913	891	913	890	915	891	912	896	894	894	915	4
5	900	945	900	950	896	918	888	918	889	917	892	910	894	892	894	917	5
6	910	947	900	941	897	917	890	914	890	914	891	912	893	891	895	917	6
7	909	945	900	954	896	918	891	922	888	918	892	920	892	908	897	922	7
8	913	964	908	940	894	931	895	924	895	926	893	933	915	915	904	927	8
9	913	962	924	936	909	945	906	929	900	927	909	921	923	885	910	929	9
10	913	965	911	952	908	937	912	930	894	927	915	923	924	876	911	928	10
11	913	964	926	964	918	944	913	933	910	924	927	918	918	873	917	928	11
Noon	912	958	919	946	908	941	913	919	919	929	947	910	914	864	917	925	Noon
13h	912	958	923	955	910	947	932	932	921	921	943	909	906	872	917	928	13h
14	912	957	921	950	907	936	914	921	923	915	933	907	911	872	916	927	14
15	914	970	918	943	909	943	910	915	867	913	932	913	906	872	909	929	15
16	913	964	910	947	900	940	883	889	892	920	932	913	905	878	909	925	16
17	900	953	907	934	909	946	895	874	893	935	934	907	904	919	907	927	17
18	900	962	900	937	900	946	873	900	893	916	921	904	905	922	903	927	18
19	891	945	900	930	900	938	900	930	894	915	916	907	889	927	902	925	19
20	891	944	895	924	894	929	890	924	896	910	909	907	896	906	899	921	20
21	891	943	894	931	893	916	893	909	892	920	905	905	896	906	898	918	21
22	900	945	895	923	893	915	895	907	889	917	907	909	892	910	897	917	22
23	891	943	895	924	891	922	894	908	891	913	900	906	904	918	897	915	23

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

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	5·8	6	2·3	8	2·3	8	2·2	5	0·8	4	1·0	20	1·7	6	1·2	5	1·8	6	1·8	6	1·6	6	1·6	10	1·7	6	2·2	6	0·6	17	1·1
1h	5	4·4	5	3·4	8	2·2	8	2·1	5	1·3	4	1·2	r 7	1·2	6	1·2	5	1·4	6	1·0	6	1·2	6	1·8	10	1·1	6	1·9	6	1·0	17	1·3
2	6	4·8	4	2·7	8	2·2	8	2·0	5	1·1	4	1·5	5	0·7	6	2·0	5	2·0	6	0·7	6	1·4	7	2·6	9	1·1	6	1·8	6	1·3	r 8	1·3
3	7	4·3	6	3·0	8	1·6	8	1·5	5	1·1	4	1·2	6	0·7	6	0·9	5	1·8	6	0·9	6	1·6	7	2·7	8	1·5	6	1·9	6	1·0	6	1·3
4	6	2·6	5	3·4	8	1·4	6	2·7	5	1·5	4	2·5	6	0·7	0	1·2	5	1·3	6	0·9	6	1·8	7	4·0	6	1·4	6	1·3	6	1·0	6	0·8
5	5	2·7	5	3·6	8	1·9	6	2·3	5	1·6	4	2·2	6	1·1	0	1·2	5	1·5	6	1·1	6	3·0	7	1·5	6	1·1	6	1·3	6	1·3	6	0·7
6	6	4·0	5	4·2	8	2·1	6	1·6	5	1·2	4	1·8	6	1·5	0	1·5	6	2·3	6	1·1	7	3·0	7	1·0	7	1·0	6	1·7	9	1·0	6	0·7
7	6	3·2	6	4·7	8	3·3	6	2·2	5	0·8	4	1·3	7	1·8	1	1·6	7	2·0	7	2·4	8	3·4	7	2·6	6	1·6	7	1·7	9	0·8	6	0·9
8	5	4·8	6	5·4	8	3·7	8	3·1	9	1·1	4	1·5	9	2·9	5	2·8	8	2·7	8	3·7	8	4·1	10	3·8	8	3·5	8	1·8	14	3·2	r 18	3·7
9	5	5·7	6	6·3	9	4·5	10	2·9	11	1·1	2	1·1	9	3·8	7	2·7	8	3·5	8	5·7	10	4·2	11	5·7	10	3·6	10	1·4	15	4·6	19	4·0
10	6	7·5	6	6·8	9	4·4	9	2·6	20	2·4	0	1·5	9	4·4	9	4·4	7	3·7	8	4·2	11	4·2	11	4·9	10	4·2	11	4·4	15	3·3	21	3·0
11	6	6·0	6	5·2	9	3·8	10	3·3	16	3·7	d 21	2·8	9	3·6	9	3·2	7	4·2	9	5·4	10	5·9	11	4·5	11	4·4	11	5·5	17	4·2	21	3·4
Noon	5	6·1	6	5·9	9	3·5	11	3·0	16	2·6	22	2·1	9	3·2	10	4·8	7	5·3	9	5·3	10	4·8	11	5·7	11	4·8	12	4·4	17	4·5	21	3·9
13h	7	6·6	6	7·4	9	3·9	12	3·3	17	2·3	23	2·4	9	4·2	9	5·2	7	5·6	9	5·5	10	4·9	11	4·4	11	5·6	11	4·5	17	3·5	22	4·3
14	6	6.1	7	5·6	9	4·3	13	4·6	17	2·1	23	2·7	9	4·8	8	4·5	7	4·9	9	5·8	10	6·0	11	5·3	10	6·2	11	5·0	17	5·4	22	3·6
15	6	7·2	9	5·8	9	3·9	r 28	5·5	r 3	4·1	22	2·2	9	3·7	7	5·8	7	5·8	9	6·8	11	4·3	11	5·5	10	6·0	10	4·6	17	5·5	22	3·8
16	6	6·5	9	3·6	9	3·6	17	0·9	4	3·0	22	2·6	8	3·9	7	5·1	7	5·1	8	5·7	10	4·4	11	4·9	10	4·8	10	4·8	17	6·0	21	4·4
17	7	6·6	8	4·5	9	3·2	r 13	1·2	0	1·3	18	2·0	8	3·7	7	4·6	7	5·8	7	6·3	11	4·4	11	4·6	10	5·4	8	3·7	17	5·1	21	3·8
18	8	5·3	8	4·5	9	3·2	9	1·2	10	1·1	26	2·3	7	4·2	7	5·3	8	4·3	7	5·4	10	4·7	10	4·5	10	5·4	6	3·1	16	3·2	22	2·5
19	6	6·1	7	2·5	9	2·4	8	1·7	9	0·7	20	1·1	6	4·2	7	3·6	9	2·9	8	5·4	10	3·5	10	4·3	9	4·8	9	3·0	16	2·2	22	2·5
20	6	4·2	8	3·4	8	1·9	8	0·7	4	0·9	20	0·8	6	3·2	6	2·4	8	2·1	8	4·2	8	3·4	10	3·8	9	4·3	8	2·1	17	1·4	22	1·2
21	6	3·3	8	3·6	8	1·8	8	0·7	5	1·2	20	1·0	6	2·8	6	2·4	8	1·0	7	1·7	7	1·8	10	3·9	10	3·0	8	1·5	17	0·7	22	0·7
22	6	3·6	8	3·0	8	1·8	6	0·8	4	1·8	20	1·1	6	1·7	5	1·7	8	1·5	6	2·5	6	1·7	9	2·2	7	2·5	8	1·1	17	0·7	22	0·7
23	6	3·0	8	2·5	8	1·9	5	0·7	4	1·4	20	1·3	6	1·5	5	1·0	6	1·0	6	1·2	6	1·5	10	2·6	6	2·7	6	0·8	17	1·1	22	1·8

Hour. \ Day.	17d. *		18d. *		19d.		20d.		21d.		22d.		23d.		24d.		25d.		26d.		27d.		28d. *		29d.		30d.		31d. *		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	r 10	1·6	16	0·9	3	1·3	6	1·6	6	2·1	8	2·9	6	2·6	7	3·6	8	3·5	7	4·0	7	2·6	6	2·8	5	1·8	5	1·5	8	1·1	2·1
1h	8	1·8	16	0·7	3	1·3	5	1·4	6	2·0	9	1·7	6	2·6	6	3·0	8	2·8	8	3·0	8	2·0	6	2·4	5	1·3	5	1·2	7	0·8	1·8
2	6	1·8	16	0·7	3	1·2	6	1·8	7	2·6	8	1·7	6	1·5	8	4·0	8	4·1	8	3·3	8	2·6	5	1·6	5	1·3	5	1·7	3	0·9	1·9
3	5	0·6	16	0·6	7	1·0	6	1·3	8	2·6	8	1·6	6	1·8	8	3·6	8	4·4	8	3·9	8	2·1	5	2·0	5	1·8	5	1·4	28	0·8	1·8
4	5	1·2	16	1·1	6	0·8	6	1·2	9	2·7	6	1·2	5	1·6	8	2·7	8	4·2	8	3·5	7	1·3	5	1·6	5	1·8	5	1·5	27	0·7	1·8
5	6	0·9	16	1·1	6	1·3	6	1·1	9	3·0	6	2·1	5	2·1	8	3·9	8	4·5	8	5·0	7	1·8	5	2·1	5	2·0	5	1·3	27	1·0	2·0
6	6	1·1	16	0·8	6	1·6	6	1·1	10	1·8	6	1·4	5	2·1	9	4·2	9	4·8	8	4·1	7	1·7	5	1·7	5	1·7	5	1·5	27	1·1	1·9
7	6	1·2	10	1·6	9	2·9	6	1·6	13	3·8	7	4·1	6	2·1	9	4·8	9	4·6	8	5·4	7	1·8	6	2·4	5	2·1	6	2·2	d 4	1·1	2·5
8	d 17	2·1	17	2·7	7	2·4	11	4·1	14	4·5	6	2·8	7	4·5	9	5·5	9	6·5	9	4·1	7	3·2	7	2·5	7	2·7	7	3·4	d 12	2·2	3·4
9	18	2·8	17	2·8	8	2·2	11	5·2	15	5·0	6	3·6	7	5·3	9	5·8	9	6·3	11	4·4	9	4·6	9	3·0	8	2·7	10	2·3	19	2·7	3·9
10	20	4·2	20	3·6	8	3.0	11	4·1	15	6·4	6	2·8	7	6·7	10	8·4	9	6·6	9	5·3	9	3·8	10	3·2	7	2·8	11	2·7	20	3·4	4·3
11	19	4·3	18	4·7	10	3·9	11	3·6	15	6·7	10	4·5	7	5·2	10	6·4	9	6·5	10	6·9	10	4·8	10	3·5	10	2·6	13	3·3	21	3·3	4·5
Noon	19	4·0	19	6·6	11	3·8	11	4·3	15	4·4	9	4·4	8	5·1	9	4·4	9	5·9	10	5·0	9	4·2	11	2·3	11	3·5	15	4·8	22	3·9	4·4
13h	19	4·0	20	4·4	11	3·6	11	4·5	15	4·9	9	5·2	8	3·6	9	8·1	9	5·9	10	6·0	9	4·8	12	4·6	12	3·0	15	4·4	23	2·9	4·6
14	20	4·3	20	4·9	10	3·1	10	3·0	15	5·8	9	4·4	8	6·5	9	6·8	9	5·8	10	5·4	9	3·7	11	2·5	13	2·7	15	3·4	22	3·9	4·6
15	20	3·7	17	3·0	9	3·1	10	3·1	15	4·0	9	5·6	8	7·1	8	7·9	9	7·1	10	4·7	9	4·4	11	1·8	2	3·5	14	3·4	23	2·9	4·7
16	21	4·4	18	3·3	11	3·0	10	4·0	13	4·1	9	3·3	8	4·9	7	7·3	9	6·5	9	4·8	8	4·0	r 29	2·0	6	2·2	14	3·4	23	2·3	4·2
17	20	3·2	20	2·0	10	2·3	10	3·0	10	2·8	9	4·3	8	6·7	7	6·2	8	5·3	9	3·5	9	4·7	25	2·7	7	3·6	15	3·5	r 9	1·9	3·9
18	20	2·6	19	1·2	10	2·1	9	3·0	11	2·7	8	4·4	8	4·9	7	6·2	8	6·2	8	3·7	8	4·6	d 0	2·7	6	1·8	15	2·2	9	2·3	3·6
19	18	1·8	17	0·9	8	2·8	6	2·7	10	2·3	8	2·0	8	4·8	7	3·9	7	4·6	8	3·0	8	3·8	8	3·0	6	1·6	14	1·8	6	2·9	3·0
20	16	1·0	r 9	1·8	6	1·6	6	2·0	9	2·1	9	1·8	8	3·9	7	4·2	7	4·5	7	2·5	7	3·0	6	2·6	6	1·1	13	1·1	5	0·7	2·4
21	16	0·6	7	1·3	6	1·8	5	2·3	9	2·4	7	1·4	7	3·2	7	4·2	7	4·4	7	3·2	6	1·8	5	1·1	6	2·2	12	0·7	5	0·7	2·0
22	16	0·6	6	1·1	7	1·8	6	2·5	8	2·0	6	2·3	7	3·4	8	3·9	8	4·5	7	2·4	6	1·7	5	0·9	5	2·0	11	1·1	5	1·3	1·9
23	16	0·7	6	1·5	7	1·8	6	2·1	8	2·4	6	1·8	7	2·8	8	4·8	7	4·4	7	2·5	6	2·4	5	1·0	5	1·6	8	0·6	9	1·8	1·9

= direct ; r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JANUARY 1923.

Hour Ending \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	m.m	m.m.	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m.	m.m.	m.m.	m.m.	m.m.	m.m.	m.m.	m.m.	m.m.	m.m.	m.m.	m.m.	m.m.	m.m	m.m	m.m	m.m.	m.m	m.m	mm²	m.m
1h	..	...	...	...	...	...	...	...	1·2	...	...	...	...	...	...	...	2·3	...	...	...	...	...	...	...	0·4	0·2	...	...	..	...	...
2	...	...	...	...	...	...	0·1	...	0·1	...	...	.	...	...	...	...	0·2	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...
3	...	...	...	...	...	...	0·5	7·2	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	0·6	...	...	...	...	...	...
4	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	0·5	...	...	...	...	...	...	...	08
5	...	...	...	...	...	...	0·1	...	...	...	...	0·5	...	0·7	...	...	...	...	...	...	...	...	...	...	0·9	0·1	...	...	...	...	...
6	...	...	...	...	...	...	0·1	...	...	...	...	...	0·6	...	...	...	...	...	...	...	1·2	...	0·1	...	...	0·1	...	...	...	...	...
7	...	...	...	..	...	...	0·1	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...
8	0·6	...	...	...	...	...	0·2	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	0·3	...	...	0.2	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	...	...	...	...	...	...	...	...	...	...	...	1·5	...	...	..	...	...
10	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	5·0	...	...
16	...	2·0	...	3·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	33·9	...	...
17	...	1·8	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	...	...
18	...	...	...	0·1	8·0	8·7	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	..	0·2	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	16
21	..	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	0·4	...	...	...	...	...	...	...	..	...	...	...	...	19
22	...	0·2	...	...	...	...	...	...	..	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	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 JANUARY 1923.

River System.	Register Number	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	5·71	145·0	154·7	14
	3	Belmont	20	2·36	60·0	135·9	5
	4	Poudre d'Or	30	1·49	38·5	127·8	5
	5	Mon Loisir (R.)* ...	300	57·2	145·3	...	18
	6	Mon Loisir S. E. ...	300	2·72	69·1	168·4	15
	7	Forbach*	300	3·43	87·0	...	17
	8	Labourdonnais ...	290	4·23	107.5	207·0	16
	9	Beau Séjour	300	2·83	71·9	227·8	19
	10	Mont Piton	860	2·78	70·6	246·4	19
	11	Mon Choix	700	3·41	86·6	253·5	13
	12	Antoinette	640	3·82	97·0	220·0	21
	13	California	850	3·35	85·0	247·9	15
	14	Nouvelle Découverte ...	1,400	4·21	109·6	286·0	20
	15	Mon Songe	620	3·04	77·2	243·1	15
	16	La Grande Rosalie ...	643	3·86	98·0	225·8	19
	17	The Mount	325	3·55	90·2	175·8	20
	18	Botanic Gardens ..	325	3·66	93·0	222·2	23
	19	The Observatory ...	179	4·59	116·5	193·3	22
	20	Solitude	175	2·95	74·9	149·6	14
	21	St. André	90	5·40	137·1	183·4	16
	22	Belle Vue Harel* ...	350	3·63	92.2	...	16
	23	Mont Choisy§	10	1·74	44·2	...	6
	25	Esperance (Trébuchet)*	165	2·46	62·5	...	8
	28	Mon Rocher*	...	3·47	88·1	...	16
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station* ...	137	2·01	51 0	...	2
	48	Mapou Station* ...	296	4·01	102·0	...	2
	49	Poudre d'Or Station* ...	172	...	...	...	...
	50	Rivière du Rempart* ...	134	2·68	68·0	...	10
2&3	1	Union Régnard ...	600	6·16	156·5	227·1	20
	2	Constance d'Arifat L.G	100	4·08	103·6	191·0	14
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	600	5·99	152·1	238·7	13
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	5·85	148·6	...	15
	7	Belle Mare*	...	5.41	137·4	...	16
	8	Bel Etang (Lesur)* ...	...	6·95	176·5	...	15
	9	Belle Vue (Allendy)* ...	...	6·50	165·1	...	14
	10	St. Julien E(K. Reetoo)*	...	7·48	190·0	...	16
4	1	Sans Souci	900	8.40	213·3	375·2	21
	2	Etoile	400	4·33	110·0	278·4	17
	3	Beau Champ	20	5·30	134·6	156·2	16
	4	Belle Rive*	400	4·14	105·1	...	19
	5	Olivia	400	6·37	161·8	204·5	18
	6	Deep River*	350	5·48	139·2	...	22
	7	Belle Rose Estate* ...	...	3·21	81·5	...	20
	8	Melrose*	...	7·54	191·5	...	20
	9	Bonne Veine*	...	7·70	195·6	...	20
5	1	Rose Belle*	850	11·05	280·7	...	19
	2	Riche-en-Eau	460	5·46	138·7	291·8	18
	3	Ferney	20	3·61	91 6	317·2	18
	4	Beau Vallon	60	3·47	88·0	213·9	14
	5	Union Vale	200	15·13	384·3	...	21
5 cont.	6	Mon Désert (Carié)* ...	75	2·83	71·9	...	17
	7	Cluny§	1,000	...	...	...	...
	8	Union Park*	...	15·13	384·3	...	21
	9	Sauveterre Estate* ...	...	4·38	111·2	...	15
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	12·05	306·1	338·0	16
	2	Tivoli*	1,300	11·54	293·1	...	21
	3	La Flora*	1,050	13·79	350·3	...	24
	4	Britannia	730	7·30	185·4	322·8	20
	5	Savannah (Mill) ...	200	4·68	118·9	242·8	10
	6	St. Aubin	300	5·65	143·5	274·3	16
	7	Union B.A. St.Félix S.E.	90	...	...	...	...
	8	Beau Bois	350	6·95	176·5	272·5	19
	9	St. Avold§	900	7·15	181·6	...	24
	10	Terracine§	100	...	...	...	...
	12	Bel Air*	...	6·41	162·8	...	13
	13	Chamouny*	..	...	..	...	...
	14	Union S. E.*	...	7·68	195·0	...	10
	15	Fontenelle*	...	6·65	169·0	...	11
	16	Combo*	...	10·08	256.0	...	16
	17	St. Felix (Wilson)* ...	...	7 39	187·7	...	13
	18	Choisy Estate*	...	7·48	189·9	...	10
7, 8 & 9	1	Bel Ombre	40	...	...		...
	3	Beau Champ*	...	...	..	...	...
	4	Board*	...	..	...	...	
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10	...	No returns.	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	8·85	224·8	387·8	19
	3	Mare aux Vacoas ...	1,850	11·33	287·8	403·9	24
	4	La Marie Filter Bed ...	1,700	6·26	159·0	303·8	21
	5	Réunion	1,420	10·78	273·8	339·3	15
12	1	The Manse	850	3 40	86·4	212.6	19
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	2·89	73·5	239.0	23
	4	Alma	1,460	...	...	...	...
	5	Bagatelle	1,250	6·21	157·7	272·8	19
	6	Highlands*	1,300	9·56	242·8	...	20
	7	Trianon	950	2·82	71·6	254·2	13
	8	Salency§	923	...	...	...	..
	9	La Ferme§	350	...	...	...	...
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	4·09	103·9	254·5	20
	12	Ebène*	...	3·30	83·8	...	17
	13	Mon Rêve*	...	4·14	105·1	...	17
	14	Bassin*	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	8·40	213·3	...	13
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock* ...	18	1·50	38·1	152·1	9

* Normals not available. § Record not Received.

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NEW SERIES (MONTHLY). VOL. IX. PART 2 PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS

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

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

FEBRUARY 1923

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of FEBRUARY 1923.

Month and Day. 1923.	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)	List of Earthquakes. Date.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	E.-W. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	Remarks.
FEB.	° ′			′													
1	10.43·0	·23004	·30036	5·0	34	17	...	...	...	...	...	...	...	...	...	...	Repairs to basement; Instrument dismounted.
2	43·1	·23004	·041	4·7	20	13											
3	42·8	·22994	·046	5·5	38	19											
4	42·7	·22992	·048	4·0	23	15											
5	43·6	·23000	·050	5·1	14	18											
6	43·5	·23016	·054	6·7	33	16											
7	43·3	·23002	·058	5·0	38	17											
8	43·8	·23001	·059	3·7	27	14											
9	43·9	·23009	·058	3·4	18	11											
10	43·5	·23005	·059	2·7	60	9											
11	43·5	·23002	·063	3·8	20	8											
12	43.2	·23007	·062	4·1	36	16											
13	43·0	·23008	·060	4·6	10	19											
14	43·8	·23009	·059	5·3	20	26											
15	43·3	·23010	·059	7·5	25	22											
16	43·8	·23017	·057	8·8	46	25											
17	42·4	·23001	·057	9·6	26	22											
18	45·8	·22997	·058	10·5	27	20											
19	44·8	·22997	·055	6·8	18	20											
20	44·6	·22996	·057	7·1	18	19											
21	44·2	·22998	·058	4·3	17	14											
22	44·0	·22997	·060	4·2	25	6											
23	44·1	·22997	·056	5·0	18	23											
24	44·2	·22999	·057	4·1	13	15											
25	44·1	·22989	·058	4·4	89	14											
26	43·4	·22980	·063	5·4	67	10											
27	43·2	·22974	·061	3·3	40	15											
28	45·4	·22978	·063	4·6	31	9											
29	...	...	...	...	...	...											
30	...	...	...	...	...	...											
31	...	...	...	...	...	...											
Mean	10.43·72	·22999	·30056	5·33	30.4	16·1	...	...	...	...	...	...	...	...	...	...	...

T=0·37846 : Mean Dip.=θ=52°.34′·60 (X=·22597 : Y=−·04281 : Z=·30056).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of FEBRUARY 1923.

Declination (West). Day and Hour.	Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Observed Value.	Dip (South). A. M. Observations. Day and Hour.	Observed Value.	Resulting Vertical Force. C. G. S. Units.	P. M. Observations. Day and Hour.	Observed Value.	Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
FEB. 1· 8·48	10·45·72	FEB. 3·13·22	·23015	FEB. 1· 9·33	52.34·00	·30056	FEB. ...	...	...
.13·47	10·39·31	9· 9·45	·23008	10 ·9·14	52·32·00	·30053	10·13·42	52·33·62	·30059
12·11·8	10·43·88	9·13·39	·22988	19 ·8·45	52.33·00	...	19·13·47	52·33·50	·30045
.13·49	10·42·37	28·10·0	·22993						
28.8·56	10·49·97	·12·44	·22973						
13·23	10·45·25								

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

FEBRUARY 1923.

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

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	43·5	43·5	43·7	43·8	43·7	43·9	44·3	44·3	44·0	44·4	44·0	43·9	...	...	...	43·7	Midnight
1h	43·8	44·3	44·0	44·2	43·7	44·2	44·5	44·7	44·3	44·2	43·8	43·9	...	...	...	43·9	1h
2	44·0	44·5	44·0	44·2	43·8	44·2	44·6	44·7	44·7	43·6	43·8	44·7	...	...	...	44·0	2
3	44·1	45·3	44·0	44·7	44·0	44·3	44·5	44·8	44·8	43·5	43·9	45·0	...	...	...	44·2	3
4	44·3	46·0	44·3	44·8	44·3	44·5	44·5	45·3	45·2	46·7	44·0	45·3	...	...	...	44·5	4
5	44·3	46·5	44·7	44·9	44·2	44·5	44·5	45·6	45·3	43·5	43·9	45·7	...	...	...	44·5	5
6	44·3	47·8	45·0	45·2	44·3	44·7	44·5	45·2	45·7	43·2	43·7	46·2	...	...	...	44·7	6
7	45·5	52·0	47·5	47·0	45·5	45·0	45·5	45·7	46·2	42·0	43·8	47·2	...	...	...	45·8	7
8	47·3	54·0	49·5	49·3	46·7	45·7	46·3	46·0	46·5	43·7	44·0	48·0	...	...	...	46·4	8
9	47·0	48·5	49·5	48·0	47·0	46·0	46·7	46·3	46·5	43·5	43·8	48·5	...	...	...	45·9	9
10	43·1	46·3	45·9	46·2	45·3	45·0	45·5	45·7	45·5	42·0	43·5	47·7	...	...	...	44·7	10
11	40·0	45·3	44·3	44·7	44·0	44·2	43·8	44·7	44·0	41·7	42·2	47·0	...	...	...	43·3	11
Noon	39·2	44·8	43·4	43·8	43·5	43·8	42·2	43·3	42·2	41·5	41·8	46·3	.	...	...	42·5	Noon
13h	38·5	44·2	43·5	42·3	43·0	42·5	41·7	42·3	42·5	41·3	40·9	45·3	...	...	...	42·0	13h
14	37·7	44·3	42·4	42·2	42·7	42·2	41·7	42·2	42·3	41·5	40·7	44·7	...	...	...	41·7	14
15	37·7	44·7	42·7	42·7	43·0	41·9	41·7	42·3	42·1	42·2	41·3	44·5	...	...	...	41·8	15
16	38·2	44·5	43·5	43·3	43·0	41·8	42·5	42·7	42·5	42·7	42·0	44·7	...	...	...	42·1	16
17	40·3	45·0	44·7	44·3	43·9	42·5	43·3	43·8	42·7	43·9	43·0	44·7	...	...	...	42·9	17
18	41·5	45·3	45·2	44·5	44·2	43·3	43·8	43·9	42·3	44·3	43·7	44·5	...	...	...	43·2	18
19	42·3	45·0	44·8	44·5	44·2	44·2	44·1	43·4	43·5	44·7	44·3	44·4	...	...	...	43·4	19
20	42·4	44·7	44·9	44·5	44·2	44·1	44·3	43·7	43·9	44·3	43·8	44·4	...	...	...	43·5	20
21	42·3	44·5	44·5	44·2	44·2	44·1	44·3	43·8	43·7	44·2	44·1	44·7	...	...	...	43·4	21
22	42·5	44·3	44·3	44·1	44·1	44·2	44·3	43·8	44·0	44·3	44·2	44·3	...	...	...	43·5	22
23	43·5	44·0	44·1	43·8	43·8	44·2	44·2	43·8	43·9	44·1	43·9	44·2	...	...	...	43·5	23

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

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

FEBRUARY 1923.

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	096	099	093	090	095	103	103	089	099	108	093	103	108	108	113	104	Midnight
1h	097	099	095	093	105	104	108	093	104	109	099	104	109	109	126	107	1h
2	099	100	097	085	104	107	100	094	107	109	108	106	110	110	123	108	2
3	101	104	101	088	103	107	104	098	107	108	101	104	110	114	121	108	3
4	102	109	102	089	102	109	104	104	107	110	102	104	109	117	116	109	4
5	101	109	102	097	102	117	107	101	109	108	098	105	111	116	109	109	5
6	102	110	103	098	103	132	108	103	109	107	099	103	108	114	108	112	6
7	106	108	103	105	103	129	113	107	113	113	101	097	107	113	107	120	7
8	107	102	103	104	097	135	115	113	114	127	106	094	104	105	108	128	8
9	107	101	099	097	095	133	111	116	115	134	109	096	113	097	109	133	9
10	111	103	102	092	093	128	108	109	117	133	110	104	114	099	114	132	10
11	114	107	104	083	093	124	111	106	114	131	107	109	114	100	116	134	11
Noon	114	104	104	082	094	117	108	100	108	124	098	115	113	100	115	127	Noon
13h	111	106	108	087	099	123	108	102	108	117	090	125	106	104	109	138	13h
14	114	108	103	094	106	129	105	103	107	111	090	130	107	108	105	133	14
15	115	112	097	099	107	124	103	096	106	094	103	118	104	113	104	132	15
16	118	113	093	093	106	116	104	097	106	076	107	113	107	114	103	132	16
17	111	109	091	092	101	110	104	097	107	074	106	108	106	115	101	132	17
18	101	106	086	094	097	109	097	098	109	084	098	106	106	110	101	105	18
19	095	102	077	094	094	106	091	103	107	092	101	104	106	102	106	102	19
20	091	101	073	091	097	104	080	102	107	094	102	104	105	109	107	096	20
21	084	098	070	086	099	103	077	101	108	094	103	106	106	115	106	092	21
22	087	096	074	087	100	104	097	097	108	090	105	107	106	114	104	097	22
23	103	093	085	092	098	102	097	097	109	092	102	107	107	115	103	107	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	103	093	093	087	092	093	088	094	099	063	077	062	...	...	...	094·6	Midnight
1h	099	090	093	088	093	093	088	094	103	075	083	081	...	...	...	097·9	1h
2	103	099	093	088	094	094	088	094	103	084	083	068	...	...	...	098·5	2
3	104	099	098	091	094	095	090	094	104	088	080	083	...	...	...	100·0	3
4	107	096	099	094	095	093	091	096	106	082	084	075	...	...	...	100·5	4
5	107	099	097	096	095	096	092	096	104	085	084	072	...	...	...	100·9	5
6	109	100	097	099	096	093	093	094	110	083	084	073	...	...	...	101·8	6
7	107	101	096	099	099	099	094	100	130	103	084	079	...	...	...	104·9	7
8	104	097	097	097	097	102	093	105	132	097	084	087	...	...	...	105·5	8
9	103	102	102	102	102	105	095	107	128	109	090	093	...	...	...	107·2	9
10	102	098	108	105	109	109	100	107	118	114	093	090	...	...	...	107·9	10
11	097	117	107	098	108	112	104	103	096	105	090	088	...	...	...	106·8	11
Noon	097	105	107	100	108	109	105	105	097	080	084	087	...	...	...	103·8	Noon
13h	099	099	108	103	109	110	106	106	091	065	073	080	...	...	...	103·2	13h
14	090	097	103	100	106	107	105	104	073	047	069	077	...	...	...	101·1	14
15	087	095	099	097	103	097	104	103	071	071	060	077	...	...	...	099·7	15
16	095	093	097	099	101	094	103	098	064	057	057	079	...	...	...	097·7	16
17	098	093	094	098	098	093	099	095	045	064	061	075	...	...	...	095·6	17
18	097	094	095	097	094	092	099	097	043	065	067	077	...	...	...	093·7	18
19	099	093	090	093	095	089	099	097	060	071	070	077	...	...	...	093·4	19
20	113	092	092	091	095	087	097	097	057	075	059	074	...	...	...	092·6	20
21	110	091	094	093	094	087	097	097	092	074	057	067	...	...	...	092·9	21
22	102	091	091	092	094	087	096	098	064	077	053	085	...	...	...	093·0	22
23	087	090	091	093	094	088	095	097	055	077	060	076	...	...	...	093·3	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*).

FEBRUARY 1923.

·30000 + (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	037	043	048	052	052	057	060	063	061	059	065	063	062	062	061	062	Midnight
1h	037	042	048	051	052	057	059	062	062	060	063	063	062	062	061	061	1h
2	037	042	048	051	052	056	059	062	061	060	062	063	062	063	061	061	2
3	037	042	048	051	052	056	059	062	061	060	064	063	062	063	061	061	3
4	038	043	048	051	052	056	059	061	061	060	064	064	062	063	061	062	4
5	038	042	049	051	052	056	059	061	061	060	065	064	063	064	063	062	5
6	039	044	049	052	053	057	058	061	061	060	066	064	064	065	064	062	6
7	040	047	052	049	054	058	059	062	061	060	066	068	068	070	069	065	7
8	037	045	052	048	055	059	060	063	061	059	065	068	064	069	067	066	8
9	036	039	050	049	052	059	061	064	061	056	064	066	053	062	063	062	9
10	034	037	044	047	047	056	061	062	060	055	063	060	049	051	054	053	10
11	031	038	041	043	043	052	058	057	055	054	062	054	049	046	047	044	11
Noon	027	034	039	042	040	046	054	053	053	055	061	053	052	044	048	041	Noon
13h	027	034	036	040	039	043	050	051	054	056	062	053	054	046	047	041	13h
14	027	034	033	040	041	043	047	050	053	056	063	052	056	051	049	046	14
15	031	035	034	038	043	046	046	052	052	057	061	057	059	054	053	049	15
16	036	039	041	042	045	049	049	053	051	058	058	062	062	057	056	051	16
17	039	043	047	047	050	052	054	057	053	062	058	065	062	062	060	053	17
18	038	043	048	047	052	055	059	058	056	063	059	064	061	061	061	056	18
19	037	043	048	049	053	056	061	059	057	062	061	063	061	060	060	057	19
20	040	044	049	051	054	056	062	059	058	062	062	063	062	061	061	058	20
21	042	045	051	052	055	058	063	059	059	062	063	063	061	061	061	061	21
22	043	047	052	052	056	059	063	061	059	063	063	063	061	061	062	063	22
23	044	047	051	053	057	059	063	061	059	063	063	063	061	061	062	063	23

·30000 + (C.G.S. UNIT).

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
Midnight	061	062	062	061	059	060	061	059	059	063	062	066	...	...	...	058·6	Midnight
1h	061	062	061	061	060	060	061	059	059	064	062	062	...	...	...	058·3	1h
2	061	060	060	060	060	060	061	059	059	060	062	064	...	...	...	058·1	2
3	061	060	060	060	060	059	061	059	059	063	062	063	...	...	...	058·1	3
4	061	061	060	060	060	059	060	059	059	061	062	062	...	...	...	058·2	4
5	061	061	060	060	060	059	060	059	059	063	062	064	...	...	...	058·5	5
6	062	062	061	060	060	059	060	059	061	063	062	066	...	...	...	059·1	6
7	066	069	064	064	062	060	061	060	062	060	062	066	...	...	...	060·9	7
8	069	067	066	066	064	061	061	061	061	061	063	067	...	...	...	060·9	8
9	064	049	057	056	064	059	058	060	058	061	060	065	...	...	...	057·4	9
10	053	049	050	053	050	055	050	052	052	060	057	064	...	...	...	052·8	10
11	047	049	047	052	050	055	041	046	050	060	053	062	...	...	...	049·5	11
Noon	049	053	047	049	050	057	038	047	050	059	052	059	...	...	...	048·3	Noon
13h	047	052	046	047	053	059	041	049	051	061	052	058	...	...	...	048·2	13h
14	047	051	049	047	056	060	047	052	055	063	053	059	...	...	...	049·3	14
15	048	053	054	050	056	060	051	054	057	064	059	060	...	...	...	051·2	15
16	050	057	057	052	057	061	056	058	060	066	062	063	...	...	...	053·9	16
17	052	060	056	057	060	061	059	060	061	069	067	064	...	...	...	056·8	17
18	055	059	051	058	060	061	059	059	064	068	066	064	...	...	...	057·3	18
19	056	059	049	056	059	061	057	058	064	067	066	064	...	...	...	057·2	19
20	057	059	051	057	059	061	058	058	063	063	065	064	...	...	...	057·7	20
21	057	061	051	059	060	061	059	059	061	063	065	065	...	...	...	058·5	21
22	059	061	051	059	060	061	059	059	061	063	065	062	...	...	...	058·9	22
23	062	062	051	060	060	060	059	059	062	063	065	062	...	...	...	059·1	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1923.

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.	Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
FEB.	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1005·2	+ 0.6	31·1	23·3	7·8	25·5	— 0·5	2·0	22·1	+ 0·4	81	+ 3	26·3	21·4	8·8	60	5·5	8·2
2	1004·8	+ 0·2	30·7	22·6	8·1	25·7	— 0·3	2·2	22·0	+ 0·3	80	+ 2	26·2	21·0	1·8	20	4·8	6·8
3	1004·8	+ 0·2	30·7	22·3	8·4	26·1	+ 0·2	2·7	21·5	— 0·2	76	— 2	25·4	20·4	0·0	...	5·5	4·2
4	1006·6	+ 2·0	30·3	23·6	6·7	26·2	+ 0·3	2.6	21·8	+ 0·1	77	— 1	25·9	21·3	1·8	30	5·0	5·3
5	1008·0	+ 3·5	29·9	23·6	6·3	26·7	+ 0·8	2·9	21·8	+ 0·1	75	— 4	25·9	21·7	2·6	25	7·2	4·9
6	1008·5	+ 4·0	30·1	24·0	6·1	26·0	+ 0·1	2·3	22·1	+ 0·3	79	0	26·3	22·2	7·0	50	6·8	6·0
7	1007·2	+ 2·7	28·3	22·0	6·3	24·9	— 1·0	2·2	21·1	— 0·7	80	+ 1	24·8	20·7	10·2	50	6·2	6·1
8	1007·1	+ 2·6	29·0	23·4	5·6	25·6	— 0·3	2·9	20·7	— 1·1	74	— 5	24·2	21·2	5·0	35	8·4	6·4
9	1007·7	+ 3·2	28·1	23·2	4·9	25·4	— 0·5	2·0	22·0	+ 0·2	82	+ 3	26·2	21·2	5·1	25	5·1	7·1
10	1006·5	+ 2·1	29·2	23·2	6·0	25·9	0·0	2·4	21·8	0·0	78	— 1	25·9	21·6	9·8	65	6·8	6·2
11	1005·4	+ 1·0	28·5	23·7	4·8	25·6	— 0·3	2·3	21·7	— 0·1	79	0	25·7	22·1	4·5	65	6·5	5·4
12	1005·2	+ 0·8	29·2	23·3	5·9	26·0	+ 0·1	3·1	20·8	— 1·1	73	— 6	24·3	21·4	4·3	55	9·8	4·0
13	1003·8	— 0·6	28·8	23·8	5·0	26·1	+ 0·3	3·8	19·7	— 2·2	68	— 11	22·7	21·8	0·0	...	7·4	7·2
14	1001·2	— 3·3	28·9	23·0	5·9	25·8	0·0	2·8	21·0	— 0·9	75	— 4	24·6	22·4	19·0	165	5·0	9·8
15	999·4	— 5·1	27·7	24·1	3·6	25·4	— 0·4	1·3	23·2	+ 1·3	88	+ 9	28·1	22·0	10·6	100	8·1	8·8
16	998·0	— 6·5	28·0	23·9	4·1	25·8	0·0	0·3	25·3	+ 3·4	97	+ 18	31·9	23.0	24·1	135	4·6	9·2
17	995·7	— 8·8	28·2	25·0	3·2	26·4	+ 0·6	1·2	24·4	+ 2·5	89	+ 9	30·3	22·6	2·5	90	3·2	9·6
18	997·8	— 6·7	30·0	25·0	5·0	26·9	+ 1·1	1·8	23·9	+ 2·0	84	+ 4	29·4	23.3	12·2	85	3·6	7·3
19	1000·6	— 3·9	30·2	24·7	5·5	27·1	+ 1·3	1·7	24·2	+ 2·3	84	+ 4	29·9	23·3	15·2	90	7·6	6·1
20	1002·0	— 2·5	30·9	24·0	6·9	27·0	+ 1·3	2·0	23·6	+ 1·7	82	+ 2	28·8	22·5	0·0	...	5·4	3·5
21	1002·6	— 1·9	30·0	24·0	6·0	26·7	+ 1·0	2·4	22·6	+ 0·7	78	— 2	27·1	22·3	0·0	...	7·0	3·4
22	1004·3	— 0·3	30·3	23·8	6·5	26·5	+ 0·8	2·4	22·4	+ 0·5	76	— 4	26·2	21·7	0·0	...	7·2	3·2
23	1005·4	+ 0·8	29·7	23·0	6·7	25·8	+ 0·1	2·8	21·0	— 0·9	75	— 5	24·6	20·4	0·0	...	6·5	3·6
24	1004·6	— 0·1	29·1	22·7	6·4	25·7	0·0	3·0	20·6	— 1·3	74	— 6	24·0	20·1	0·5	20	6·0	4·9
25	1003·7	— 1·0	29·1	22·2	6·9	25·0	— 0·7	2·9	20·1	— 1·8	74	— 6	23·3	19·3	0·0	...	6·5	4·7
26	1004·1	— 0·6	28·7	20·0	8·7	23·9	— 1·7	2·4	19·7	— 2·2	77	— 3	22·7	16·7	0·0	...	4·4	3·7
27	1005·2	+ 0·4	29·2	19·7	9·5	24·2	— 1·4	2·9	19·2	— 2·7	74	— 6	22·0	16·1	0·0	...	3·8	4·2
28	1006·0	+ 1·2	29·7	18·6	11·1	24·5	— 1·1	3·8	18·0	— 3·9	67	— 13	20·4	13·6	0·0	...	7·0	2·3
29	...	...	...	...	...	...	...	...	...	...	...	...		..	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1003·9	— 0·6	29·4	23·1	6·3	25·8	0·0	2·3	21·7	— 0·1	78·4	— 0·9	25·8	21·0	147·7	1165	6·1	5·8
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 1923.

Previous conditions of very dry weather remained unchanged during the firrt twelve days of the month.

From the thirteenth to the seventeenth a cyclone travelled at about 300 miles North-West to South of the Island on a wide-opened curve.

The unfavourable conditions of the dry season were thus temporarily broken ; but were again existing during the last week of the month, minimising the benefiting effect of the cyclone.

Temperature rose speedily after the passage of the cyclone and again dropped towards the end of the month.

Relative humidity dropped markedly towards the end of the month.

No high wind velocities were observed.

The highest velocities were encountered on the 13th the 14th ; there was a very marked drop on the 16th, while the cyclone was curving.

Rainfall at the Observatory was 31% below normal.

The percentage variation of rainfall below normal in the other districts was as follows :—

Northern Districts	River System 1,	22 %	below
Eastern Districts	,, ,, 2, 3, 4.	12 %	,,
South-Eastern Districts	,, ,, 5, & 6	22 %	,,
Western Districts	River System 11	2 %	below
	,, ,, 12	19 %	,,
	,, ,, 13	60 %	,,

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1923

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
FEB.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	3·0	23	0·0	+ 0·2	90	0·2	1·6	— 1·9	25·1	26·6	28·2	...	...	29·6	29·6	o. : c.f. :o.g.p. : .
2	4·2	33	0·0	0·0	...	0·0	1·6	— 1·9	25·0	26·5	28·4	...	...	29·3	29·4	c.f. : c.p. : c.f. : o.p. .
3	7·7	60	0·0	+ 1·4	90	1·4	1·7	— 1·8	25·1	26·6	28·5	...	...	29·5	29·4	. c. f. .
4	10·5	82	+ 0·4	+ 2·9	98	2·9	3·0	— 0·5	25·1	26·6	28·5	...	...	29·4	29·4	c.f. : c.p .
5	11·7	91	+ 0·3	+ 3·0	96	3·0	3·2	— 0·2	25·0	26·6	28·4	...	...	29·6	29·5	: c.f. : f. ; .
6	10·6	82	+ 0·3	+ 4·2	94	4·2	4·3	+ 0·9	25·2	26·8	28·4	...	...	29·4	29·3	c.p. : c.f. :o.p: f. .
7	6·1	78	+ 0·6	+ 3·8	99	3·8	4·0	+ 0·6	25·1	26·8	28·4	...	...	28·5	27·8	: c.p. : c. : f : .
8	10·5	82	+ 0·9	+ 3·9	103	4·0	4·1	+ 0·7	25·1	26·8	28·4	...	...	28·2	27·8	c.f. : c. p. : c. .
9	4·2	33	+ 0·4	+ 3·6	96	3·6	3·8	+ 0·4	25·1	26·8	28·2	...	...	28·0	27·7	c . : c.p. : f. .
10	10·4	82	+ 0·3	+ 4·1	93	4·1	4·2	+ 0·8	25·1	26·8	28·1	...	...	28·1	27·9	: c.p. c. : c.p. .
11	8·7	68	+ 0·4	+ 4·4	95	4·4	4·6	+ 1·2	25·1	26·8	28·0	...	...	28·2	28·0	c .f . : c.d. .
12	11·4	89	+ 0·3	+ 5·8	93	5·8	5·8	+ 2·4	25·2	26·8	27·9	...	...	28·1	27·8	c.d. : c. f. .
13	5·0	39	+ 0·4	+ 6·6	93	6·6	6·6	+ 3·2	25·2	26·8	27·8	...	...	27·8	27·3	c.f. : c. : o.q. .
14	0·0	0	+ 0·1	+ 7·1	91	7·1	7·2	+ 3·8	25·2	26·8	27·7	...	...	27·3	27·1	o.q. :o.q.r. .
15	2·5	20	+ 2·0	+ 5·1	111	5·5	5·5	+ 2·1	25·3	26·9	27·7	...	...	27·0	26·8	: o. d. . c. .
16	0·7	6	+ 3·6	+ 1·1	163	3·7	4·2	+ 0·8	25·2	26·8	27·6	...	...	27·2	26·9	o. r. q. t. .
17	0·5	4	+ 5·5	— 3·2	210	6·3	6·8	+ 3·4	25·2	26·8	27·5	...	...	27·3	27·3	o.q.r .
18	6·3	50	+ 2·6	— 3·1	230	4·0	4·2	+ 0·8	25·2	26·8	27·6	...	...	27·6	28·2	c .f. : o p. .
19	10·2	81	+ 1·3	— 2·0	237	2·4	2·5	— 0·9	25·1	26·9	27·2	...	...	28·6	28·7	o. p. : c.f. .
20	8·2	65	+ 1·4	+ 0·5	160	1·5	1·7	— 1·7	25·1	26·9	27·3	...	...	29·5	29·6	c.f. .
21	10·1	80	+ 0·6	+ 2·4	104	2·5	2·6	— 0·8	25·1	26·9	27·8	...	...	29·6	29·6	f. .
22	10·8	86	— 0·2	+ 3·2	86	3·2	3·4	0·0	25·1	26·9	27·9	...	...	29·6	29·6	f. .
23	10·0	80	— 0·9	+ 3·5	76	3·6	3·6	+ 0·2	25·1	26·9	28·1	...	...	29·3	29·3	f.b. : c.f. .
24	9·0	72	— 0·6	+ 2·9	78	2·9	3·0	— 0·4	25·3	26·8	28·1	...	...	29·1	28·7	f. ; c. .
25	7·0	56	— 0·2	+ 2·8	86	2·8	2·9	— 0·5	25·9	26·9	27·8	...	...	29·0	28·3	c. f. .
26	7·0	56	— 0·7	+ 1·0	55	1·2	1·9	— 1·5	25·7	26·9	28·1	...	...	28·6	28·2	f. b. : c. : f. .
27	8·6	69	— 1·0	+ 0·3	17	1·0	1·8	— 1·6	25·3	26·9	28·1	...	...	27·9	27·4	f. : c. : f. .
28	12·2	98	+ 0·1	+ 2·5	92	2·5	2·6	— 0·8	25·3	26·9	28·0	...	...	27·6	27·1	f. b. .
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Mean	7·40	59·5	+0·64	+2·39	105·0	2·47	3·66	+0·25	25·19	26·79	27·99	...	...	28·53	28·35	...
Average	7·41	58·3	—0·31	+2·24	82·1	2·26	3·41	...	25·09	26·92	...	...	...	28·32	28·34	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF FEBRUARY 1923.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1009·5 m.b.s.	at	9h	on 6th	994·4 m.b.s.	at	15h	on 17th
Temperature of the Air	30·°9C	at	13.15h	on 20th	18·°6C	at	4h20	on 28th
Daily range of temperature of the Air...	11·°1C		...	on 28th	3·°2C		...	on 17th
Temperature of the Dew Point	26·°0C	at	3h on 7th & 16h	on 16th	15·°4C	at	7h	on 28th
Daily range of temperature of the Dew Point	5·°7C		...	on 7th	1·°4C		...	on 1st
Relative humidity...	100·0%	at	15h	on 16th	48·7%	at	15h	on 28th
Wind Velocity	9·2 m.p.s.	at	17h	on 14th	0·6 m.p.s.	often		on 1st
Rainfall	26·4 mm.	ending	15h	on 16th				
Temperature of the soil at 3 ins. ...	31·°7C	at	18h	on 19th	25·°5C	at	9h	on 28th
,, ,, at 6 ins. ...	31·°3C	at	21h	on 2nd	26·°6C	at	9h	on 15th
Duration of sunshine	12·2h		...	on 28th	0·0h		...	on 14th
Amount of Evaporation	9·8 mm.		...	on 12th	3·2 mm.		...	on 17th
Vapour Tension	31·9 mbs		...	on 16th	20·4 m.b.s.		...	on 28th
Minimum on Grass					13·°6C		...	on 28th

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

Mean Day Temperature of Air 27·°37C, Average 27·°63C. Mean Night Temperature of Air 24·°33C, Average, 24·°11C.

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

† Thermometers 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 1923.

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	0066	0056	0051	0065	0081	0094	0080	0076	0085	0078	0059	0058	0050	0035	0006	9999	Midnight
1h	0057	0051	0046	0057	0075	0085	0076	0067	0079	0076	0056	0055	0045	0028	9999	9993	1h
2	0055	0049	0040	0055	0069	0082	0073	0057	0075	0068	0049	0046	0037	0035	9989	9984	2
3	0055	0046	0038	0054	0070	0080	0068	0055	0072	0064	0046	0042	0033	0019	9988	9979	3
4	0056	0044	0039	0054	0068	0078	0068	0056	0071	0064	0045	0043	0035	0015	9985	9982	4
5	0055	0045	0038	0052	0069	0079	0071	0056	0075	0066	0046	0046	0038	0015	9987	9983	5
6	0057	0047	0045	0056	0075	0085	0072	0064	0076	0068	0050	0049	0039	0016	9994	9985	6
7	0061	0052	0051	0067	0081	0091	0074	0069	0080	0075	0058	0049	0044	0022	0000	9990	7
8	0060	0057	0054	0069	0086	0094	0078	0076	0084	0076	0059	0059	0047	0025	0004	9988	8
9	0060	0058	0056	0072	0087	0095	0078	0079	0086	0078	0064	0065	0047	0027	0006	9994	9
10	0054	0056	0052	0071	0086	0094	0081	0076	0087	0077	0065	0065	0049	0025	0005	9992	10
11	0050	0056	0049	0071	0085	0092	0077	0075	0084	0075	0062	0067	0046	0021	0002	9991	11
Noon	0048	0047	0045	0067	0081	0087	0075	0073	0079	0068	0057	0059	0040	0015	9996	9988	Noon
13h	0046	0043	0043	0064	0076	0081	0065	0071	0076	0058	0049	0049	0035	0006	9995	9981	13h
14	0043	0039	0041	0058	0075	0079	0061	0065	0073	0055	0044	0050	0033	9999	9991	9975	14
15	0039	0036	0041	0056	0072	0075	0063	0064	0065	0049	0039	0044	0027	9994	9982	9971	15
16	0037	0035	0040	0056	0071	0074	0059	0063	0065	0047	0041	0043	0034	9988	9980	9969	16
17	0045	0034	0041	0058	0073	0075	0055	0064	0064	0048	0040	0042	0036	9990	9983	9970	17
18	0047	0037	0046	0068	0077	0078	0058	0066	0066	0051	0045	0044	0028	9996	9984	9972	18
19	0045	0045	0052	0074	0082	0081	0069	0076	0075	0056	0056	0051	0033	0003	9992	9973	19
20	0048	0053	0057	0079	0087	0087	0076	0081	0079	0065	0064	0056	0035	0005	9994	9975	20
21	0055	0055	0064	0086	0094	0091	0079	0086	0083	0066	0069	0059	0035	0009	9997	9976	21
22	0057	0056	0068	0087	0096	0090	0081	0089	0086	0069	0068	0059	0036	0010	0004	9960	22
23	0057	0056	0057	0085	0096	0088	0081	0087	0086	0070	0068	0057	0036	0011	0001	9961	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	9972	9972	9995	0026	0029	0040	0060	0060	0050	0047	0053	0065	.....	.....	.....	1004.7	Midnight
1h	9966	9970	9994	0020	0027	0035	0055	0055	0045	0042	0050	0060	.....	.....	.....	1004.1	1h
2	9956	9965	9992	0016	0035	0035	0053	0045	0043	0038	0048	0055	.....	.....	.....	1003.7	2
3	9953	9964	9986	0009	0022	0032	0048	0043	0036	0035	0043	0053	.....	.....	.....	1003.3	3
4	9953	9966	9985	0008	0021	0033	0047	0043	0035	0033	0045	0052	.....	.....	.....	1003.3	4
5	9952	9970	9990	0013	0024	0035	0051	0044	0035	0033	0045	0052	.....	.....	.....	1003.4	5
6	9950	9973	9996	0026	0027	0040	0055	0045	0042	0037	0050	0055	.....	.....	.....	1003.8	6
7	9953	9977	0005	0020	0033	0044	0058	0050	0043	0041	0056	0058	.....	.....	.....	1004.3	7
8	9957	9983	0008	0024	0034	0047	0061	0055	0048	0045	0060	0063	.....	.....	.....	1004.6	8
9	9958	9985	0010	0025	0035	0046	0061	0055	0050	0048	0061	0064	.....	.....	.....	1004.8	9
10	9957	9987	0010	0025	0030	0046	0059	0054	0049	0047	0057	0064	.....	.....	.....	1004.7	10
11	9960	9995	0012	0024	0029	0046	0056	0051	0043	0044	0051	0064	.....	.....	.....	1004.6	11
Noon	9955	9981	0009	0020	0023	0043	0052	0048	0034	0041	0050	0061	.....	.....	.....	1004.1	Noon
13h	9950	9983	0005	0013	0017	0039	0049	0042	0027	0035	0045	0055	.....	.....	.....	1003.6	13h
14	9947	9975	0003	0011	0009	0035	0046	0026	0023	0030	0042	0052	.....	.....	.....	1003.1	14
15	9944	9968	9999	0009	0010	0032	0044	0035	0017	0033	0042	0048	.....	.....	.....	1002.9	15
16	9945	9964	0000	0008	0009	0035	0046	0035	0016	0031	0041	0050	.....	.....	.....	1002.8	16
17	9949	9958	0004	0011	0008	0035	0046	0035	0017	0032	0043	0054	.....	.....	.....	1002.9	17
18	9953	9976	0008	0016	0018	0042	0050	0039	0022	0039	0047	0058	.....	.....	.....	1003.3	18
19	9956	9985	0015	0023	0025	0049	0053	0045	0028	0044	0054	0065	.....	.....	.....	1003.9	19
20	9967	9986	0020	0027	0032	0053	0057	0048	0036	0048	0058	0070	.....	.....	.....	1004.4	20
21	9973	9987	0025	0030	0040	0058	0063	0053	0045	0053	0065	0074	.....	.....	.....	1004.9	21
22	9975	9993	0027	0033	0043	0065	0066	0055	0048	0055	0068	0076	.....	.....	.....	1005.1	22
23	9974	9995	0027	0031	0042	0063	0065	0056	0049	0056	0068	0076	.....	.....	.....	1005.0	23

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

Hour. \ Day.	FEBRUARY 1923.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	10	5	6	3	4	5	2	8	4	3	3	6	4	10	10	8	10	7	10	4	2	3	1	4	3	1	5	1	..	...	...	5·1
1h	10	4	6	5	4	5	3	8	4	2	3	4	4	10	10	8	10	8	10	4	3	2	1	3	2	1	5	1	...	...	...	5·0
2	10	6	4	6	4	7	4	9	7	4	5	5	4	10	9	7	10	6	10	3	2	2	2	2	2	1	2	0	...	...	...	5·1
3	10	7	0	5	8	8	9	7	6	7	4	7	1	10	9	7	10	6	7	3	3	2	0	0	3	0	3	1	...	...	...	5·1
4	10	5	4	6	5	6	8	5	8	3	3	3	6	10	9	9	10	6	8	3	3	4	2	9	4	0	3	0	...	...	...	5·4
5	10	7	3	5	7	7	5	6	9	4	3	4	8	10	9	9	10	6	9	3	4	4	3	4	5	0	4	2	...	...	...	5·7
6	10	6	5	5	6	6	6	7	8	7	3	3	9	10	10	9	10	5	8	2	4	3	2	3	6	0	2	1	...	...	...	5·6
7	9	7	5	5	4	3	8	7	8	7	5	2	8	10	7	8	10	7	8	2	6	3	2	4	8	1	2	1	...	...	...	5·6
8	8	7	5	6	7	4	8	4	9	6	5	3	8	10	8	7	10	8	7	2	5	3	3	4	9	1	2	2	...	...	...	5·7
9	6	7	5	4	7	5	8	5	9	8	6	3	7	10	10	9	10	9	7	3	5	3	2	4	8	4	2	3	...	...	...	6·0
10	5	7	4	4	6	5	8	7	9	9	6	5	7	10	10	10	10	6	6	3	5	4	3	4	7	6	4	3	...	...	...	6·2
11	3	7	4	5	6	5	8	6	8	8	7	5	7	10	10	10	9	6	5	5	3	4	5	3	8	7	5	4	...	...	...	6·2
Noon	3	6	3	5	5	6	8	6	8	7	6	2	7	10	10	9	9	5	5	5	2	5	3	3	7	8	7	3	...	...	...	5·8
13h	6	5	5	4	3	7	7	5	8	6	6	6	8	9	10	10	10	5	5	6	3	4	3	3	6	9	6	5	...	...	...	6·1
14	7	5	5	5	4	6	7	6	7	5	7	7	7	9	10	10	9	6	4	6	3	4	3	5	5	9	8	5	...	...	...	6·2
15	6	5	6	6	5	7	8	5	8	6	7	7	9	10	10	10	9	5	4	5	2	5	8	8	5	9	7	4	...	...	..	6·6
16	10	8	5	7	5	8	8	6	9	7	8	4	9	10	9	10	9	6	5	4	3	4	5	7	5	8	6	4	...	...	...	6·7
17	10	8	6	8	5	9	7	6	9	7	8	3	10	10	10	10	10	8	3	5	4	4	4	8	4	6	6	4	...	...	...	6·9
18	10	9	5	9	4	8	5	6	9	7	5	6	10	10	10	10	10	10	3	5	3	3	6	8	4	5	8	3	...	...	...	6·8
19	10	10	5	6	2	8	4	7	7	8	10	3	10	10	9	10	10	10	4	3	3	2	6	7	3	3	3	3	...	...	...	6·3
20	10	10	4	2	3	7	2	8	2	9	6	2	6	10	6	10	10	10	4	3	2	2	8	8	3	2	5	2	...	...	...	5·6
21	10	9	2	5	2	6	2	6	6	9	8	2	7	8	4	10	10	10	5	2	2	1	3	7	2	2	3	2	...	...	...	5·2
22	7	7	2	6	4	3	5	7	4	4	4	3	8	9	5	10	8	10	5	2	6	3	5	5	2	2	1	1	...	...	...	4·9
23	7	6	2	6	7	2	6	7	4	5	2	2	10	10	7	10	8	10	5	2	4	2	7	4	2	3	1	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.	FEBRUARY 1923.																															
	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	20	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	4	...	...	...	0·6
7	0	0	60	45	55	60	0	22	35	36	0	52	4	0	0	0	0	6	2	40	0	27	48	60	0	55	59	60	...	...	...	12·1
8	0	42	50	45	35	60	47	60	22	60	12	60	17	0	30	28	0	36	36	60	50	50	48	60	0	60	60	60	...	...	...	18·1
9	12	17	55	60	60	60	50	55	12	60	50	60	24	0	17	0	0	6	60	40	50	57	60	60	4	60	60	60	...	...	...	18·5
10	42	8	57	60	60	60	57	42	25	59	34	60	40	0	12	10	0	36	60	60	60	60	57	60	3	60	55	60	...	...	...	20·0
11	49	0	60	60	60	60	50	60	52	60	33	60	40	0	8	4	16	46	60	60	60	60	60	60	29	59	48	60	...	...	...	21·2
Noon	60	14	54	60	60	50	24	60	6	60	55	60	50	0	8	0	8	46	60	60	60	60	60	60	35	32	16	60	...	...	...	19·6
13h	4	29	48	57	60	60	57	60	0	60	60	60	50	0	12	0	0	56	60	56	60	60	60	60	49	0	42	60	...	...	...	19·5
14	6	20	15	60	60	60	0	55	12	60	60	52	18	0	17	0	6	55	57	32	60	60	60	24	59	0	12	60	...	...	...	16·3
15	0	47	29	52	60	60	0	60	17	60	55	60	47	0	9	0	4	19	60	50	60	58	37	20	60	0	30	60	...	...	...	16·9
16	6	34	14	47	60	10	20	60	32	60	59	60	12	0	19	0	0	50	60	33	60	33	30	24	60	34	27	60	...	..	...	16·1
17	0	36	0	42	60	49	39	57	34	30	42	60	0	0	6	0	0	25	58	0	60	60	57	46	60	50	60	60	...	...	...	16·5
18	0	6	1	40	60	38	24	38	4	20	60	52	1	0	11	0	0	0	42	0	26	60	16	6	60	10	46	60	...	...	...	11·3
19	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	6	...	...	...	0·4

The total amount of registered sunshine was 207·1 hours and the total possible sunshine 356·3 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°*)

FEBRUARY 1923.

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	23·9	0·6	23·6	0·7	23·6	0·7	23·7	0·9	24·3	0·9	25·0	1·1	23·9	2·0	23·6	1·5	Midnight
1h	23·8	0·6	23·0	0·9	23·7	0·7	23·8	1·0	24.2	1.0	25.0	1.3	23·9	1·8	23·8	1·8	1
2	24·1	0·8	23·0	0·9	23·5	0·7	23·6	0·9	24.2	0.9	24.9	1.2	23·8	1·8	23·7	1·5	2
3	23·8	0.8	22·7	0·7	23·3	0·8	23·6	1·0	24.0	0.9	24.9	1.4	23·7	1·6	23·7	1·6	3
4	23·6	0·7	23·0	0·9	23·0	0·9	23·6	0·7	23 7	0·9	24·4	1·0	22·9	1·4	23·8	1·4	4
5	23·3	0·8	23·0	0·7	22·7	0·8	23·7	0·7	23·7	1.0	24.2	0.9	22·2	1.1	23·7	1·5	5
6	23·6	0·8	23·3	0·7	22·4	0·8	23·6	0·7	23 7	0·9	24·1	0·9	22·2	1·0	23·7	1·8	6
7	24·1	0·9	23·9	0·8	24·6	1·0	25·5	1·8	24·7	1.0	25·1	1·5	22·4	1·0	24·5	2·3	7
8	25·0	1·6	25·4	1·7	27·1	3·1	26·9	2·5	26.0	1·5	26 8	2·7	23·4	0·9	26·6	3·4	8
9	26·0	2·3	26·1	2·1	28·1	3·7	28·0	4·2	27·5	3·0	27·6	3·5	25·4	2·0	27·6	4·3	9
10	28·9	4·3	27·1	2·1	29·3	4·3	28·9	4·9	28·9	4·3	28·9	4·4	26·0	2·7	26·5	3·0	10
11	29·5	4·2	26·9	2·4	30·3	5·9	29·4	5·1	29·3	4·6	29·1	5·4	27·5	3·3	27·3	4·2	11
Noon	30·7	5·3	28·1	2·9	30·4	6·1	29·4	5·6	29·7	4·9	29·0	4·9	26·2	2·2	28·1	4·7	Noon
13h	29·3	4·3	29·3	4·3	29·7	6·0	30·2	5·7	30·0	5·8	29·9	5·8	27·5	3·4	28·2	4·9	13h
14	29·3	4·2	28·9	4·9	29·0	5·2	29·3	5·1	30·3	6·5	26·9	3·3	27·4	4·0	28·5	5·1	14
15	28·1	3·7	30·0	5·5	29·0	4·8	29·7	5·6	29·7	5·3	28·5	4·0	27·3	3·8	26·5	3·4	15
16	28·0	3·8	29·3	5·3	28·1	4·2	28·5	4.3	30·0	5·5	24·7	1·2	27·5	3·8	27·5	4·3	16
17	24·5	1·5	29·0	4·8	27·3	3·9	27·0	2.5	29·2	5·1	26·3	1·9	27·3	3·7	27·4	4·7	17
18	23·7	0·7	28·2	4·1	27·4	3·9	27·0	2·9	28·5	4·6	26·2	2·3	26·5	3·3	26·8	4·0	18
19	23·7	1·2	26·1	2·3	25·8	2·5	25·2	1.3	27·0	2·9	24·7	0·8	25·4	2·4	25·9	3·2	19
20	23·8	1·3	24·5	1·2	25·2	2·0	24·9	1.6	26·1	2·0	24·5	0·8	24·5	1·5	25·4	2·9	20
21	24·0	0·9	24·5	1·1	24·6	1·5	24·8	1·4	26·0	2·0	24·5	1·9	23·9	1·2	24·2	1·9	21
22	24·2	0·9	23·7	0·7	23·9	1·4	23·8	0.8	25·7	1·9	24·6	2·5	23·7	1·1	23·8	1·7	22
23	24·1	0·8	23·9	0·7	23·7	1·3	23·9	0.8	25·5	1·4	24·3	2·1	23·7	1·3	23·7	1·3	23

Day. / Hour.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	23·6	1·3	24·5	1·3	24·2	0·7	23·6	1·6	25·1	2·7	25·6	3·2	24·3	1·1	24·9	0·6	Midnight
1h	24·2	1·3	24·0	1·0	24·3	1·0	23·9	0·8	25·3	3·6	25·4	2·7	24·3	0·9	25·0	0·0	1h
2	24·2	1·4	23·2	1·1	23·7	1·0	23·9	1·0	25·0	3·2	25·6	2·9	24·5	1·0	24·3	0·1	2
3	23·8	1·3	23·7	0·8	24·0	1·0	24·0	1·8	24·4	2·8	25·6	3·0	25·0	1·4	24·6	0·1	3
4	23·4	1·1	23·8	0·8	34·1	1·1	23·5	1·4	24·2	2·2	25·4	2·5	25·0	1·3	25·0	0.1	4
5	23·5	1·1	23·6	1·2	24·0	1·1	23·7	1·7	23·9	1·7	25·4	2·9	25·0	1·3	25·0	0·0	5
6	23·5	1·0	23·5	1·3	23·9	1·0	23·8	2·0	24·1	1·9	25·5	3·0	25·2	1·6	24·8	0·0	6
7	24·2	0·8	24·5	0·7	24·2	1·0	24·5	2·0	24·5	2·6	25·9	3·1	25·4	1·8	25·0	0.0	7
8	26·1	2·5	26·3	2·5	26·2	2·4	26·4	3·0	26·0	3·3	26·9	3·7	25·7	1·9	25·3	0·0	8
9	25·9	1·9	26·8	2·6	26·8	3·1	27·0	3·3	26·9	5·1	27·0	4·0	26·1	1·8	25·9	0·6	9
10	26·6	2·8	27·3	3·1	27·4	3·8	27·9	4·6	28·9	6·6	27·1	4·1	26·3	1·3	27·2	1·0	10
11	27·8	3·6	28·2	4·0	26·9	2·7	28·3	4·7	28·3	5·2	27·4	4·0	27·2	2·4	25·9	0·3	11
Noon	27·9	4·1	28·9	4·8	27·2	3·1	29·0	5·3	28·4	4·9	27·9	5·2	26·9	2·0	26·2	0·5	Noon
13h	25·5	1·5	29·1	5·0	28·0	4·4	29·2	5·2	27·8	4·6	28·0	4·2	25·0	0·8	26·6	0·5	13h
14	26·5	2·6	28·8	4·8	28·2	4·4	28·1	4·4	27·6	5·0	28·2	4·6	25·8	0·6	24·9	0·4	14
15	27·5	3·0	29·1	4·7	28·5	4·4	28·7	5·4	27·7	4·6	27·2	3·6	26·1	1·4	25·9	0·0	15
16	27·3	3·2	28·2	4·4	27·7	4·0	28·3	5·0	27·4	4·9	26·9	3·2	26·3	1·2	27·0	0·6	16
17	27·2	3·1	28·2	4·1	27·0	3·3	27·4	3·9	26·7	4·5	25·5	2·0	25·9	1·5	27·1	1·0	17
18	26·3	2·6	25·8	1·7	26·7	3·2	26·6	3·9	26·2	4·2	24·1	0·9	25·2	0·9	26·7	0·7	18
19	25·5	2·3	25·6	1·7	25·5	2·3	25·9	3·2	25·9	3·6	23·6	0·7	25·1	0·9	26·2	0·4	19
20	24·8	1·5	25·3	1·5	24·4	1·4	25·3	2·9	25·7	3·6	23·3	0·9	25·1	1·1	26·1	0·3	20
21	24·2	1·3	25·1	1·6	23·7	1·9	25·2	2·9	25.6	3·7	24·0	1·1	25·0	1·0	26·3	0·4	21
22	24·3	1·3	25·1	1·8	24·0	1·2	25·0	2·8	25·4	3·3	24·3	1·1	25·0	0·9	26·3	0·4	22
23	24·4	1·2	24·1	0.9	24·0	1·1	25·0	2·3	25·3	3·5	24·3	1·0	25·0	1·0	26·0	0·1	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°)

FEBRUARY 1923

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	25·7	1·2	26·1	1·2	25·1	0·9	25·9	0·9	24·7	1·0	24·0	1·0	24·5	1.5	23·9	1·2	Midnight
1h	25·9	1·5	26·0	1.5	24·7	0·8	26·0	1·0	24·9	1·2	24·2	0·8	24·2	1·9	23·5	1·5	1h
2	25·9	1·5	25·9	1·3	24·9	1·0	25·4	1·1	24·9	1·1	24·3	1·1	23·9	1·8	23·5	1·6	2
3	25·2	0·9	25·8	1·5	24·9	1·0	25·0	1·0	24·9	1·0	23·8	0·8	23·6	1·4	23·7	1·6	3
4	25·1	0·9	25·6	1·5	24·8	0·9	24·9	1·0	24·9	1·0	24·2	0·9	23·7	1·5	23·6	1·7	4
5	25·2	0·9	25·4	1·7	24·7	0·8	24·2	0·6	24·9	1·1	24·2	0·7	23·5	1.5	23·7	1·6	5
6	25·6	1·0	25·3	1·7	24·9	0·8	24·0	0·5	24·0	0·7	24·4	1·8	23·0	1·2	23·0	1 6	6
7	25·9	1·0	25·9	1·5	25·4	0·4	25·5	0·5	24·3	0·9	25·3	1·2	24·5	2·0	23·7	1·7	7
8	25·8	0·8	26·9	1·5	25·4	0·4	27·1	1·1	26·5	1·6	27·2	2·1	26·5	3·8	25·8	2·7	8
9	26·3	1·1	27·2	1·8	27·5	1·3	27·5	1·7	27·7	2·3	28·0	2·8	27·0	3·1	27·0	3·6	9
10	26·4	0·8	28·4	2·3	28·5	2·0	29·3	3·5	28·7	3·7	29·2	3·9	28·3	4·3	27·5	4·4	10
11	27·8	1·6	29·1	2·7	29·0	2·7	29·9	3·7	29·0	3·9	29·6	4·2	28·2	4·0	28·7	5·5	11
Noon	27·7	1·4	29·2	2·5	29·2	2·7	30·2	3·7	29·5	4·1	30·0	4·7	28·1	3·8	29·0	5·3	Noon
13h	27·9	1·8	29·9	3·0	29·0	2·4	30·7	4·1	29·6	4·2	29·9	4·9	29·1	4·6	29·0	5·8	13h
14	27·8	1·4	30·0	3·1	29·9	2·8	30·1	3·8	29·3	4·1	30·0	4·8	29·4	5·3	29·1	6·1	14
15	28·2	1·8	28·8	2·7	29·3	2·8	30·0	4·0	29·9	4·8	29·4	4·1	29·2	5·0	28·0	4·3	15
16	27·2	1·6	29·2	3·0	29·7	3·4	29·8	3·9	29·3	4·2	27·6	3·1	26·5	2·5	26·7	3·7	16
17	26·7	1·2	28·2	2·4	29·1	2·9	28·2	2·9	28·6	4·1	27·7	2·5	27·8	4·4	27·3	4·3	17
18	26·5	1·0	25·6	1·3	29·0	2.9	27·5	2·5	27·5	3·8	27·0	2·6	26·5	3·0	26·4	3·9	18
19	26·2	0·9	25·5	1·1	28·1	2·2	26·7	2·3	26·5	2·6	26·0	2·0	25·2	2·2	25·9	3·1	19
20	25·9	0·8	25·5	1·0	27·4	1·6	25·8	1·6	25·6	1·8	25·0	1·1	25·1	1·5	25·3	2·2	20
21	26·1	1·0	25·9	1·0	27·1	1·4	25·3	1·3	25·3	1·6	25·3	1·5	24·7	2·4	24·3	1·5	21
22	26.0	1·0	25·9	1·1	26·8	1·3	24·9	1·2	25·2	1·4	25·0	2·6	24·1	1·9	23·7	1·1	22
23	26·0	1·1	25·0	0·8	26·3	1·1	24·4	0·9	24·3	0.9	24·9	1·7	23·7	1·9	23·7	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.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	23·3	1·3	22·5	1·5	20·9	1·4	22·0	1·9	...	...	...	...	...	...	24·3	1·3	Midnight
1h	23·2	1·5	22·0	1·4	20·8	1·6	20·5	1·3	...	...	...	...	...	...	24·2	1·3	1h
2	23·1	1·5	21·9	1·5	21·3	1·6	19·9	0·9	...	...	...	...	...	...	24·1	1·3	2
3	22·6	1·4	20·5	0·3	20·3	1·3	19·1	0·7	...	...	...	...	...	...	23·9	1·2	3
4	22·2	1·1	21·4	1·4	20·0	1·3	28·7	1·2	...	...	...	...	...	...	23·8	1·2	4
5	22·9	1·6	21·1	1·4	19·7	1·3	18·6	1·3	...	...	...	...	...	...	23·7	1·2	5
6	22·8	1·5	20·1	1·3	20·1	1·1	18·6	1·4	...	...	...	...	...	...	23·6	1·2	6
7	23·3	1·4	21·0	1·0	21·7	0·7	21·1	3·2	...	...	...	...	...	...	24·4	1·3	7
8	23·9	2·2	25·0	2·3	24·2	1·4	...	...	...	...	...	...	...	...	25·9	2·1	8
9	24·2	2·1	27·1	4·1	26·9	4·5	27·1	4.9	...	...	...	...	...	...	26·8	2·8	9
10	25·6	2·6	28·0	5·2	27·4	5·8	...	...	...	...	...	...	...	...	27·8	3·5	10
11	28·0	4·4	28·3	5·3	28·4	5·7	...	...	...	...	...	...	...	...	28·3	3·9	11
Noon	27·9	4·2	27·5	4·4	27·5	4·5	28·8	6·7	...	...	...	...	...	...	28·5	4·0	Noon
13h	28·5	5·9	26·3	2·4	27·1	4·4	...	...	...	...	...	...	...	...	28·6	4·1	13h
14	28·9	6·5	25·3	2·5	27·2	4·0	...	...	...	...	...	...	...	...	28·3	4·1	14
15	28·4	5·9	25·5	2·1	27·3	3·9	28·0	7·1	...	...	...	...	...	...	28·3	3·9	15
16	28·1	5·1	26·9	2·8	27·0	4·1	...	...	...	...	...	...	...	...	27·8	3·6	16
17	27·1	4·4	27·0	4·4	27·5	4·4	...	...	...	...	...	...	...	...	27·3	3·3	17
18	26·0	3·8	25·3	3·5	26·5	4·5	26·9	5·1	...	...	...	...	...	...	26·5	2·8	18
19	24·9	2·8	24·0	2·2	24·9	3·6	...	...	...	...	...	...	...	...	25·6	2·1	19
20	24·1	2·1	23·9	2·5	24·1	2·9	...	...	...	...	...	...	...	...	25·1	1·7	20
21	23·9	2·0	22·5	1·9	23·3	2·2	24·3	2·7	...	...	...	...	...	...	24·8	1·6	21
22	23·6	1·9	21·4	1·5	23·0	2·0	...	...	...	...	...	...	...	...	24·5	1·5	22
23	23·3	1·8	21·0	1.4	22·6	2·3	...	...	...	...	...	...	...	...	24·3	1·3	23

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

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

FEBRUARY 1923.

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	902	911	894	904	892	911	900	913	892	920	907	934	900	946	896	919	Midnight
1h	903	916	892	906	890	914	900	922	892	920	906	927	891	922	896	920	1h
2	903	906	892	906	895	907	900	919	893	917	905	926	890	924	894	929	2
3	906	899	890	907	893	909	900	914	892	918	900	928	900	935	894	930	3
4	906	899	900	909	893	910	898	908	890	925	900	939	900	927	900	935	4
5	896	910	900	911	891	912	893	933	895	926	900	927	892	937	900	944	5
6	897	906	897	914	894	913	897	915	900	918	905	924	900	922	900	946	6
7	893	909	898	912	900	910	896	918	904	918	900	925	891	944	905	925	7
8	897	905	897	915	902	911	907	932	905	925	900	940	900	934	909	943	8
9	896	906	896	918	911	916	914	936	910	951	900	965	923	934	922	953	9
10	916	889	933	887	911	908	914	935	910	849	900	957	919	947	922	952	10
11	921	879	884	897	909	922	914	936	909	942	900	945	921	951	910	951	11
Noon	920	880	910	885	912	918	921	950	908	939	912	961	920	949	924	958	Noon
13h	920	880	915	885	919	928	915	937	919	946	900	948	911	953	919	946	13h
14	910	875	924	876	912	919	914	935	921	931	911	954	912	959	921	950	14
15	904	879	918	882	880	904	917	941	915	938	900	960	914	967	919	946	15
16	895	877	900	878	882	908	917	942	914	935	909	944	921	931	921	950	16
17	880	930	897	885	911	926	919	946	908	940	908	937	911	955	925	959	17
18	881	919	904	880	900	922	909	942	900	940	900	940	911	956	910	950	18
19	888	912	896	919	900	916	900	916	900	938	900	939	900	942	913	932	19
20	886	910	863	905	900	914	896	921	895	922	900	934	909	922	907	933	20
21	886	910	888	902	900	913	891	922	890	924	900	936	911	926	904	921	21
22	892	906	892	908	900	914	887	932	893	916	900	954	896	919	900	924	22
23	895	903	892	908	900	920	891	921	900	923	900	960	895	923	900	916	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	900	924	900	928	900	935	900	948	913	962	900	963	911	955	911	926	Midnight
1h	906	927	904	921	906	929	900	943	911	956	900	957	914	967	911	928	1h
2	906	930	906	928	906	931	900	939	911	954	900	962	920	949	922	932	2
3	905	926	893	935	900	930	908	941	900	944	900	973	925	961	913	932	3
4	894	928	895	923	900	938	909	943	895	926	900	960	918	945	914	922	4
5	891	943	886	936	900	942	909	943	900	939	900	955	921	950	914	922	5
6	884	939	889	927	900	944	909	944	900	941	900	984	921	951	922	922	6
7	893	933	895	924	906	930	900	939	900	947	900	964	925	960	913	920	7
8	900	946	900	941	900	944	900	963	900	949	883	986	920	949	917	917	8
9	909	943	911	954	913	964	900	976	919	995	884	978	933	980	942	928	9
10	925	959	908	940	910	951	912	959	900	995	884	981	923	955	940	916	10
11	917	942	910	951	911	956	912	960	900	1001	900	973	926	963	966	913	11
Noon	924	936	912	960	921	950	913	966	900	972	900	977	919	947	937	900	Noon
13h	918	943	921	950	921	951	900	978	915	976	900	982	922	954	954	900	13h
14	916	939	913	963	924	958	900	957	916	979	900	991	921	952	930	900	14
15	909	946	900	976	911	956	900	980	900	993	900	972	920	949	941	892	15
16	907	936	900	949	911	956	900	976	915	974	900	984	924	936	959	900	16
17	917	943	911	952	900	953	900	974	917	983	900	992	925	960	948	900	17
18	900	941	900	941	900	950	900	977	900	967	911	954	919	946	951	900	18
19	900	932	900	937	900	943	900	944	900	985	913	962	915	937	946	900	19
20	895	926	908	940	894	931	900	965	900	967	915	977	917	941	944	900	20
21	893	934	909	946	891	942	900	959	900	962	915	976	918	944	947	900	21
22	894	927	906	930	892	940	900	957	900	958	911	953	918	944	951	900	22
23	895	924	907	933	891	943	900	949	900	947	911	955	914	936	955	900	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 1923.

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	955	900	923	866	913	887	904	896	911	911	896	910	886	934	891	922	Midnight
1h	950	900	926	861	903	886	904	896	911	911	892	918	886	934	896	918	1h
2	972	900	927	859	894	869	904	896	910	915	890	923	887	932	892	918	2
3	960	900	926	860	900	884	908	892	905	911	891	921	890	925	896	920	3
4	977	885	932	868	906	886	904	896	903	906	892	918	893	917	896	919	4
5	986	883	927	873	902	894	904	896	904	910	893	916	892	918	893	916	5
6	974	885	930	870	904	890	907	893	907	917	895	925	891	921	892	918	6
7	972	886	920	880	932	879	905	895	908	918	895	924	892	919	892	919	7
8	970	871	927	873	922	878	907	893	909	922	900	937	894	928	894	931	8
9	986	864	932	868	920	870	912	909	908	919	900	939	900	952	900	953	9
10	971	871	929	857	914	864	920	920	908	940	911	952	890	948	892	939	10
11	975	850	927	859	922	878	920	920	911	929	909	946	891	945	891	944	11
Noon	976	849	954	846	925	862	929	911	918	927	909	946	889	955	890	949	Noon
13h	967	856	938	843	919	871	935	914	922	932	907	936	890	948	891	945	13h
14	957	843	954	846	929	856	939	900	908	941	900	935	889	953	891	946	14
15	954	846	930	855	929	856	944	909	910	950	900	959	890	947	890	951	15
16	946	854	934	866	911	872	927	911	900	946	900	948	890	948	900	949	16
17	931	854	952	866	917	874	921	914	911	953	888	959	890	950	892	941	17
18	929	856	900	881	914	878	913	913	895	923	890	949	891	943	900	930	18
19	941	859	911	872	907	893	908	908	900	926	900	937	891	942	895	923	19
20	921	850	904	896	907	893	905	905	896	918	891	922	890	923	895	911	20
21	923	865	905	895	904	896	908	908	896	919	890	925	890	924	896	918	21
22	924	864	914	886	904	896	906	906	897	914	893	915	894	915	893	917	22
23	928	859	911	883	904	896	908	908	893	933	891	921	892	918	892	918	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	895	911	897	913	894	914	893	917	...	...	..	...	...	...	903	921	Midnight
1h	896	909	896	910	897	905	895	912	...	...	...	...	...	...	903	919	1h
2	893	915	897	908	889	900	896	910	...	...	...	...	...	...	904	918	2
3	896	910	898	910	888	898	897	915	...	...	...	...	...	...	903	919	3
4	893	915	890	914	889	908	893	916	...	...	...	...	...	.	903	917	4
5	891	922	892	908	889	908	894	913	...	...	...	...	...	...	902	921	5
6	896	920	885	915	890	907	897	913	...	...	...	...	...	...	903	921	6
7	897	916	886	914	890	907	896	910	...	...	...	...	...	...	904	919	7
8	892	941	896	921	886	910	896	918	...	..	...	...	...	...	905	926	8
9	892	939	900	929	896	921	900	940	...	...	...	...	...	...	912	936	9
10	900	940	906	930	892	910	907	934	...	...	...	...	...	..	913	932	10
11	900	953	906	929	900	916	913	934	...	...	...	...	...	...	913	932	11
Noon	900	950	875	925	890	875	911	929	...	...	...	...	...	...	915	928	Noon
13h	900	947	881	892	881	871	914	935	...	...	..	...	...	...	915	927	13h
14	900	943	857	891	867	878	915	938	...	...	...	...	...	...	912	925	14
15	900	936	897	887	866	887	908	940	...	..	...	...	...	...	909	929	15
16	900	941	906	886	884	876	907	933	...	...	...	...	...	...	910	925	16
17	900	945	912	895	894	885	908	937	...	...	...	...	...	...	910	932	17
18	893	932	890	915	896	918	900	933	...	...	...	...	...	...	904	928	18
19	900	918	894	913	896	918	900	925	...	...	...	...	...	...	904	925	19
20	900	911	897	908	899	907	900	912	...	...	...	...	...	...	902	920	20
21	900	913	893	917	898	908	895	925	...	...	...	...	...	...	901	922	21
22	900	928	895	911	896	920	894	928	...	...	...	...	...	...	901	921	22
23	900	918	896	910	896	918	895	925	...	...	...	...	...	...	902	920	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 1923.

Hour. \ Day.	1d. *		2d. *		3d. *		4d.		5d.		6d.		7d.		8d.		9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d. *	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	9	1·1	3	0·7	5	1·4	8	1·3	6	2·2	9	3·5	8	4·6	7	1·9	8	2·4	8	2·8	8	3·5	8	4·8	9	6·3	8	6·3	9	5·6	10	2·8
1h	9	1·6	3	1·0	5	1·7	8	2·2	6	2·2	9	2·8	6	2·4	7	2·0	9	2·8	9	2·1	9	3·0	8	4·3	9	5·7	8	5·7	9	6·8	10	3·0
2	10	0·7	3	1·0	5	0·9	8	1·9	6	1·9	9	2·7	6	2·6	7	3·0	9	3·1	9	2·9	9	3·2	8	3·9	9	5·5	8	6·2	10	5·3	11	3·9
3	d17	0·6	3	1·2	5	1·1	8	1·4	6	2·0	8	2·8	8	3·5	7	3·1	9	2·7	7	3·6	8	3·0	9	4·2	8	4·4	8	7·3	10	6·6	10	3·4
4	17	0·6	8	0·9	5	1·2	7	0·8	6	2·7	8	3·9	8	2·7	8	3·5	7	2·9	7	2·4	8	3·8	9	4·4	7	2·7	8	6·0	10	4·9	11	2·6
5	r 6	1·1	8	1·1	5	1·5	7	3·4	7	2·7	8	2·7	7	3·8	8	4·4	7	4·4	6	3·9	8	4·2	9	4·4	8	3·9	8	5·5	10	5·4	11	2·6
6	6	0·7	7	1·4	6	1·4	7	1·5	8	1·8	9	2·5	8	2·2	8	4·6	6	4·2	6	2·9	8	4·4	9	4·5	8	4·1	8	8·4	10	5·5	12	3·1
7	5	1·1	7	1·2	8	1·0	7	1·8	9	1·8	8	2·5	7	4·5	9	2·6	7	3·4	7	2·5	9	3·1	8	3·9	8	4·7	8	6·4	10	6·5	11	2·4
8	5	0·6	7	1·5	9	1·1	9	3·3	9	2·6	8	4·0	8	3·4	9	4·4	8	4·6	8	4·1	8	4·4	8	6·3	8	4·9	7	8·8	10	5·3	12	2·4
9	5	0·7	7	1·8	11	1·9	10	3·9	9	5·2	8	6·5	11	4·1	10	5·8	9	4·4	9	5·5	9	6·5	8	7·6	9	9·7	7	8·0	10	8·7	13	5·1
10	d19	1·9	d18	3·5	13	1·4	10	3·8	9	5·0	8	5·7	10	5·1	10	5·7	10	6·4	9	4·1	9	5·2	9	6·0	8	9·5	7	8·3	10	6·0	14	4·3
11	20	3·0	d31	1·6	10	2·4	10	3·9	9	4·3	8	4·5	10	5·5	9	5·2	10	4·5	9	5·2	9	5·7	9	6·1	8	10·1	8	7·3	0	6·8	15	6·7
Noon	20	2·8	21	1·8	11	2·1	10	5·4	9	4·0	9	6·2	10	5·3	10	6·3	11	4·4	9	6·1	10	5·4	9	6·7	8	7·2	8	7·7	0	5·1	16	3·7
13h	20	2·9	20	2·2	11	3·4	10	4·0	10	5·0	8	4·8	9	5·4	10	5·0	10	4·7	10	5·4	10	5·5	8	7·8	9	7·7	8	8·2	0	5·9	16	5·4
14	22	2·7	20	3·4	11	2·2	10	3·8	11	3·7	9	5·5	9	6·0	10	5·4	10	4·2	9	6·4	10	6·3	8	5·7	9	8·1	8	9·1	10	5·6	16	3·0
15	23	2·2	20	2·6	r 1	2·0	10	4·4	10	4·1	8	6·0	9	6·8	10	5·0	9	4·7	8	7·6	9	5·7	8	8·0	8	9·3	8	7·2	10	5·3	17	4·2
16	25	2·4	24	2·2	2	2·0	10	4·5	10	3·8	9	4·5	11	3·7	10	5·4	9	3·7	8	4·9	9	5·7	8	7·6	9	7·5	8	8·4	11	4·4	16	5·9
17	d 5	3·6	25	1·5	d10	2·8	10	5·0	9	4·1	9	3·8	9	5·6	10	6·4	10	4·6	9	5·3	8	5·3	8	7·4	9	8·5	8	9·2	10	6·5	16	4·8
18	4	2·7	23	2·0	8	2·2	9	4·3	8	4·0	8	4·0	9	5·7	9	5·1	8	4·1	8	4·1	8	5·0	8	7·7	8	6·7	9	5·5	10	5·0	16	5·1
19	4	1·7	r 7	1·9	8	1·6	8	1·6	8	3·8	8	3·9	8	4·2	10	3·4	8	3·2	8	3·7	8	4·3	8	4·4	8	8·5	9	6·3	10	4·0	16	4·6
20	3	1·7	3	0·9	8	1·4	7	2·2	7	2·3	8	3·4	10	2·4	9	3·4	7	2·7	9	4·1	7	3·2	8	6·5	8	6·7	9	7·8	10	4·4	16	4·4
21	3	1·7	1	1·2	8	1·3	6	2·4	6	2·6	8	3·6	10	2·8	9	2·1	7	3·5	9	4·7	7	4·3	8	5·9	8	6·2	9	7·7	10	4·8	16	4·7
22	3	1·0	4	1·1	8	1·4	6	3·4	6	1·8	8	5·4	7	1·9	8	2·4	7	2·8	9	3·1	7	4·1	8	5·7	8	5·8	9	5·4	10	4·8	16	5·1
23	3	0·6	4	1·1	8	2·0	6	2·3	8	2·3	8	6·0	7	2·4	8	1·6	7	2·5	9	3·4	7	4·4	8	4·9	8	4·7	9	5·6	10	3·9	16	5·5

Hour. \ Day.	17d. *		18d. *		19d. *		20d. *		21d.		22d.		23d.		24d.		25d.		26d. *		27d. *		28d.		29d.		30d.		31d. *		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	r16	5·5	21	4·1	20	1·8	20	0·6	12	1·5	6	1·1	6	3·7	6	2·4	6	1·2	7	1·3	6	1·5	6	1·9	...	...	...	...	...	...	2·8
1h	16	5·0	21	4·7	23	1·4	20	0·6	12	1·6	6	2·0	6	3·7	7	1·8	6	1·0	6	1·1	5	0·6	6	1·3	...	...	...	...	..	...	2·6
2	16	7·2	21	4·9	25	3·2	20	0·6	11	1·8	6	2·5	6	3·4	6	2·0	6	1·7	6	0·9	0	1·1	6	1·1	...	...	...	...	...	...	2·8
3	16	6·0	21	4·8	24	1·6	20	1·2	10	1·2	6	2·3	6	2·7	7	2·0	6	1·1	7	1·0	31	1·2	r	1·5	...		...	...	...	...	2·8
4	17	7·8	20	4·6	22	1·5	20	0·6	10	0·7	6	2·0	6	1·9	7	1·9	6	1·7	5	1·7	3	1·4	6	1·8	...	...	...	...	...	...	2·6
5	17	8·8	20	3·9	22	0·6	20	0·6	10	1·1	6	1·8	6	2·0	6	1·8	6	2·4	4	1·1	3	1·4	6	1·4	...	...	...	...	...	...	2·9
6	17	7·5	20	4·3	22	1·1	20	1·0	10	1·9	7	2·6	6	2·3	6	2·0	7	2·0	4	2·1	3	1·2	7	1·3	...	..	...	...	...	...	2·9
7	17	7·3	20	2·9	19	3·8	20	0·7	10	2·0	7	2·5	6	2·1	6	2·1	7	1·6	4	2·0	3	1·2	6	1·1	...	...	...	...	...	...	2·8
8	18	7·6	20	3·9	20	3·1	20	1·0	10	2·4	8	3·7	7	2·9	7	3·2	7	4·2	7	2·2	3	1·7	7	1·8	...	...	...	...	...	...	3·6
9	18	9·3	20	4·5	21	3·6	13	1·5	10	2·1	8	3·9	8	5·2	8	5·3	7	4·0	8	2·9	7	2·2	8	4·0	...	...	...	...	...	...	4·8
10	18	7·7	21	5·2	22	3·9	12	2·8	9	4·1	9	5·3	7	4·9	7	4·0	8	4·0	9	3·1	5	1·3	9	3·5	...	...	...	...	...	...	4·7
11	19	9·0	21	4·9	20	3·1	12	2·8	10	3·1	9	4·7	7	4·6	7	4·5	8	5·3	9	3·0	8	1·6	10	3·6	...	...	...	...	...	...	4·8
Noon	19	9·1	20	7·6	21	4·6	14	3·1	11	3·3	9	4·7	7	5·6	7	5·0	8	5·0	4	3·6	d26	2·7	10	3·1	...	...	...	...	...	...	4·9
13h	19	8·0	21	6·9	21	3·5	14	3·8	11	3·9	9	3·7	7	4·9	7	4·6	8	4·7	r30	2·1	27	3·5	10	3·8	...	...	...		...	...	4·9
14	20	8·1	20	7·6	21	5·3	16	3·9	9	4·2	8	3·5	7	5·4	7	4·7	8	4·3	31	4·4	29	4·0	10	4·1	...	...	...	...	...	...	5·0
15	20	7·7	21	5·4	21	5·3	15	4·5	9	5·1	8	5·9	7	4·8	7	5·2	8	3·6	25	1·3	30	3·6	9	4·1	...	...	...	...	...	...	5·1
16	20	6·5	20	4·8	22	3·0	14	2·9	8	4·6	8	4·8	7	4·9	8	4·9	8	4·1	22	1·5	27	2·9	9	3·4	...	...	...	...	...	...	4·5
17	21	5·6	19	6·2	21	3·1	13	2·5	9	5·4	7	6·0	7	5·1	7	4·2	8	4·5	18	1·3	26	1·6	9	3·8	...	...	...	...	...	...	4·8
18	21	5·3	24	1·9	21	2·6	12	1·8	7	2·4	7	5·0	7	4·4	8	3·0	7	3·3	r 5	1·8	r 7	1·8	8	3·3	...	...	..	...	...	...	3·9
19	20	5·8	22	3·0	20	1·0	12	1·1	8	2·6	8	3·7	7	4·3	7	2·4	8	1·8	6	1·4	7	1·8	8	2·5	...	...	...	...	...	...	3·3
20	22	5·4	20	0·6	20	1·0	12	0·7	7	1·8	6	2·4	6	2·5	6	1·2	8	1·1	6	0·9	7	0·7	8	1·2	...	...	...	...	...	...	2·7
21	21	4·2	20	0·7	20	0·6	12	1·1	7	1·9	6	2·7	6	2·6	7	1·8	8	1·3	6	1·9	7	0·8	7	2·6	...	...	...	...	...	...	2·9
22	21	4·4	20	2·0	20	0·6	12	0·8	7	1·4	6	1·7	6	1·6	6	1·9	8	2·8	6	1·2	7	2·0	7	2·9	...	...	...	...	...	...	2·8
23	21	5·0	21	2·0	20	0·6	12	1·1	7	3·4	6	2·3	6	2·0	6	2·0	8	1·8	6	1·1	7	1·8	7	2·6	...	...	...	...	..	...	2·8

d = direct ; r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for FEBRUARY 1923.

Hour Ending \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
1h	...	...	...	...	0·2	...	...	...	...	...	...	1·3	...	...	1·7	...	...	...	11·0	...	...	...	...	...	...	..	...	...	..	...	...
2	...	...	...	...	...	0·3	...	...	...	1·0	...	1·5	...	...	0·4	0·3	...	...	2·3	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	0·1	0·2	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	..	...	...	0·1	0·2	..	..	0.2	0·2	1·5	...	...	0·5	0·1	2·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	7·2	..	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	1·1	0·9	...	...	...	...	...	...	...	...	..	...	...	...	...	...
7	...	...	...	..	...	...	...	...	...	...	0·3	..	...	...	...	0.7	...	...	1·7	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	0·1	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...
10	...	0·1	...	...	...	...	2·3	0·6	...	..	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	..	1·2	...	...	...	...	1·4	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	..		...	...	...	...	...	...	...	...	0·6	...	...	...	...	0·1	0·1	...	..	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	4·5	...	0·2	...	...	...	5·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	16·5	0.5	...	...	...	...	...	...	...	...	..	...	...	...	...	...
15	...	...	...	...	...	...	0·2	3·5	...	...	...	...	...	...	...	3·1	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...
16	...	...	...	...	...	5·0	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	0·2	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...
18	8·8	...	...	...	...	1·6	...	..	...	2·5	...	...	...	5·0	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	..	...	...	...	...	...	...	...	...	..	...	...	...	11·7	0·8	...	...	10·5	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	1·6	...	...	...	...	...	...	...	...	1·0	...	...	0·9	0·1	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	..	...	...	...	...	...	...	...	...	...	...	...	...	1·4	...	0.7	0·3	...	...	...	...	...	...	0·2	...	..	...	...	...	...	...
22	...	...	...	1·0	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	0·5	...	...	0·3	0·6	...	...	0·1	...	...	...	...	...	...	1·3	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	0·3	2·4	...	...	..	...	5·3	0·1	...	...	...	2·0	...	...	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 FEBRUARY 1923.

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	6·28	159·5	...	22
	6	Mon Loisir S. E. ...	300	5·67	144·0	235·2	23
	7	Forbach*	300	7·48	190·0	...	20
	8	Labourdonnais ...	290	6·83	173.5	212·1	19
	9	Beau Séjour	300	8·95	227·3	244.3	25
	10	Mont Piton	860	7·18	182·4	300·7	22
	11	Mon Choix	700	7·12	180·8	280·9	20
	12	Antoinette	640	8·21	208·5	271·2	21
	13	California	850	7·16	182·0	297·4	17
	14	Nouvelle Découverte§ ...	1,400	...	...	..	...
	15	Mon Songe	620	7·12	180·8	264·2	14
	16	La Grande Rosalie ...	643	7·72	196·0	265·2	17
	17	The Mount§	325	...	...	..	...
	18	Botanic Gardens ..	325	7·20	182·9	224·0	24
	19	The Observatory ...	179	...	147·7	213·3	18
	20	Solitude	175	6·66	169·2	140·2	18
	21	St. André	90	6·76	171·7	168·9	20
	22	Belle Vue Harel* ...	350	7·28	184.9	...	20
	23	Mont Choisy§	10	3·83	97·3	...	13
	25	Esperance (Trébuchet)*	165	7·74	196·6	...	17
	28	Mon Rocher*	...	7·29	185·2	...	19
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station* ...	137	5·55	141·0	...	6
	48	Mapou Station* ...	296	5·67	144·0	...	8
	49	Poudre d'Or Station* ...	172	6·02	153·0	...	17
	50	Rivière du Rempart* ...	134	6·48	164·5	...	9
2&3	1	Union Régnard ...	600	10·50	266·7	277·4	26
	2	Constance d'Arifat L.G	100	6·28	159·5	217·9	19
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	600	11·53	292·8	253·0	21
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	9·00	228·6	...	21
	7	Belle-Mare*	...	7·87	199·9	...	23
	8	Bel Etang (Lesur)* ...	...	13·60	345.4	...	18
	9	Belle Vue (Allendy)* ...	...	9·46	240·3	...	18
	10	St. Julien E(K. Reetoo)*	...	3·42	86·9	...	18
4	1	Sans Souci	900	14.50	368·3	408·4	23
	2	Etoile	400	8·33	211·6	307·8	19
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive*	400	8·27	210·0	...	23
	5	Olivia	400	9·20	233·7	267·2	17
	6	Deep River*	350	12·94	328·7	...	24
	7	Belle Rose Estate* ...	...	7·47	189·7	...	25
	8	Melrose*	...	13·72	348·5	...	19
	9	Bonne Veine*	...	17·14	435·3	...	26
5	1	Rose Belle*	850	12·71	322·8	...	23
	2	Riche-en-Eau	460	9·48	240·8	268·2	19
	3	Ferney	20	6·73	170·9	294·6	17
	4	Beau Vallon	60	5·32	135·0	183·1	15
	5	Union Vale	200	15·54	394·7	...	23
5 cont.	6	Mon Désert (Carié)* ...	75	6·87	174·5	...	20
	7	Cluny§	1,000	...	...	...	...
	8	Union Park*	...	15·54	394·7	...	23
	9	Sauveterre Estate* ...	...	6·80	172·7	...	12
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	19·84	503·9	481·8	25
	2	Tivoli*	1,300	19·46	494·3	...	23
	3	La Flora*	1,050	16·90	429·2	...	25
	4	Britannia	730	10·65	270·5	359·9	21
	5	Savannah (Mill) ...	200	5·53	140·4	311·9	15
	6	St. Aubin	300	7·02	178·3	241·6	21
	7	Union B.A. St.Félix S.E.	90	9.53	242.1	492·5	14
	8	Beau Bois	350	12·03	305·5	327·1	23
	9	St. Avold§	900	13·18	334·8	...	24
	10	Terracine§	100	...	...	...	...
	12	Bel Air*	...	8·94	227·1	...	18
	13	Chamouny*	..		...	...	...
	14	Union S. E.*	...	7·94	202·0	...	14
	15	Fontenelle*	...	9·06	230·0	...	16
	16	Combo*	...	...	...	...	...
	17	St. Felix (Wilson)* ...	...	7·26	184·4	...	16
	18	Choisy Estate*	...	5·57	141·5	...	12
7, 8 & 9	1	Bel Ombre	40	6·98	177·3	232·4	11
	3	Beau Champ*	...	6·20	157·5	...	8
	4	Board*	...	7·27	184.6	...	8
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10	...	No returns.	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	18·12	460·2	477·8	24
	3	Mare aux Vacoas ...	1,850	19·71	500·6	428·7	24
	4	La Marie Filter Bed ...	1,700	13·89	352·8	348·0	26
	5	Réunion	1,420	11·52	292·6	379·5	17
12	1	The Manse	850	7·68	195·1	236.7	27
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	8·76	222·4	262.1	28
	4	Alma	1,460	...	...	...	...
	5	Bagatelle	1,250	10·55	268·0	376·9	24
	6	Highlands*	1,300	12·29	312·2	...	22
	7	Trianon	950	8·78	223·0	279·6	19
	8	Salency§	923	...	...	...	...
	9	La Ferme§	350	...	...	...	...
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	10·43	264·9	288·5	27
	12	Ebène*	...	11·17	283·7	...	25
	13	Mon Rêve*	...	13·13	333·5	...	26
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	5·26	133·6	...	17
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock* ...	18	3·47	88·1	219·2	10

* Normals not available. § Record not Received.

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191

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 13s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

MARCH 1923

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

LIBRARY
JUN 25 1924
Weather Bureau

PORT LOUIS
PRINTED AT THE GOVERNMENT PRESS
1923.

TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of MARCH 1923.

Month and Day. 1923.	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force (Unit 1 γ)	List of Earthquakes. Date.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′													
MAR. 1	10.45·3	·22984	·30061	3·2	18	21	...	...	...	...	...	...	...	...	...	...	Repairs to basement; Instrument dismounted.
2	44·4	988	062	3·1	15	20											
3	44·4	990	059	3·8	24	27											
4	45·0	991	062	3·0	25	11											
5	46·0	993	059	3·8	20	26											
6	43·7	996	057	4·6	15	21											
7	44·6	994	058	3·0	48	18											
8	46·6	·22998	058	4·8	32	22											
9	45·9	·23001	057	5·6	19	16											
10	43·8	·23001	056	3·5	16	14											
11	...	...	055	...	...	19											
12	46.3	·23000	055	4·2	14	16											
13	45·6	·22995	054	4·1	27	17											
14	43·9	·22996	054	3·0	19	16											
15	46·7	·22997	051	4·3	19	21											
16	46·5	·22996	053	2·9	34	26											
17	45·1	993	052	3·8	11	22											
18	45·1	994	051	5·3	11	25											
19	44·7	·22995	054	4·0	13	18											
20	44·8	·23001	051	2·2	15	12											
21	45·4	·23003	050	2·7	47	15											
22	45·5	·22994	052	3·1	42	9											
23	45·5	·23003	049	7·4	16	17											
24	45·7	·22989	050	7·2	119	19											
25	45·7	·22961	056	4·6	58	11											
26	45·8	·22968	053	3·4	33	19											
27	45·4	·22970	053	5·7	26	23											
28	45·6	·22979	053	4·0	26	7											
29	45·5	·22986	055	2·4	20	28											
30	45·5	·22983	055	5·0	16	10											
31	45·7	·22983	050	3·5	20	15											
Mean	10.45·32	·22991	·30055	3.91	27.3	18·1	...	...	...	...	...	...	...	...	...	...	...

T=0·37841 : Mean Dip.=*0*=52°.35′·12 (X=·22587 : Y=−·04291 : Z=·30055).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of MARCH 1923.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Horizontal Force (C.G.S. Unit) Observed Value.	Dip (South). A. M. Observations. Day and Hour.	Dip (South). A. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force. C. G. S. Units.	Dip (South). P. M. Observations. Day and Hour.	Dip (South). P. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
MAR. 9· 9· 3	10·50·10	MAR. 9· 9·49	·23014	MAR. 9·10·33	52.34·62	·30071	...	...	...
·13·34	10·44·13	·12·39	·22991	13·10·30	52·33·37	·30043	...	...	...
15· 8·53	10·50·20	17·10· 7	·22988	20·10·57	52.34·00	·30056	...	...	...
·13·45	10·42·95	·13·40	·22995	23·10· 9	52·33·69	·30053	...	...	...
22. 8·53	10·47·02	23· 9·48	·23019	31·10·20	52·34·50	·30047	...	...	...
23· 9· 4	10·49·76	·13·29	·23001						
31·11·17	10·45·01								
·12·24	10·44·96								

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

MARCH 1923.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	44·3	44·8	44·7	44·5	44·9	44·7	44·9	45·3	45·2	44·8	...	45·5	45·7	45·1	45·3	45·3	Midnight
1h	44·7	45·1	44·9	45·0	45·5	44·7	45·1	45·9	45·7	44·9	...	45·9	46·2	45·0	45·8	45·5	1h
2	44·6	44·8	44·9	45·3	45·5	44·5	45·1	46·0	45·9	44·7	...	46·0	46·4	44·7	46·3	46·0	2
3	44·7	44·5	44·9	45·3	46·1	44·3	45·2	46·3	46·3	44·5	...	46·2	46·7	44·7	47·0	46·2	3
4	44·7	44·3	45·0	45·4	46·2	44·2	45·3	46·9	46·5	44·0	.	46·7	46·7	44·3	47·5	46·5	4
5	45·3	44·0	45·3	45·5	46·2	44·1	45·2	47·3	46·9	44·3	...	46·8	46·7	44·1	47·9	46·8	5
6	45·4	44·3	45·4	45·1	46·3	43·9	45·1	47·5	47·0	44·0	...	47·0	46·5	43·9	48·0	47·1	6
7	45·9	44·7	45·5	45·1	47·0	44·2	45·0	47·9	47·3	44·2	...	47·3	46·7	44·0	49·0	47·0	7
8	46·3	45·1	45·8	45·1	47·5	44·7	45·5	48·5	48·3	44·2	...	48·0	47·9	43·8	49·3	47·9	8
9	47·0	45·8	46·2	45·9	48·3	45·3	45·6	49·2	49·0	44·4	...	48·7	47·2	43·8	49·2	48·2	9
10	47·2	45·3	45·8	46·2	47·9	45·3	45·5	49·5	49·3	44·0	...	48·7	46·7	43·8	49·0	48·0	10
11	46·5	44·9	45·3	4·58	47·0	44·8	45·6	49·0	48·2	42·7	...	48·5	46·0	43·7	48·0	47·8	11
Noon	46·0	44·5	44·4	45·3	46·2	43·9	45·3	47·9	47·3	42·0	..	46·7	45·3	43·3	47·5	46·7	Noon
13h	45·1	43·5	43·3	44·5	44·8	42·2	44·0	46·3	45·9	41·8	..	45·5	44·7	42·5	46·0	46·5	13h
14	44·4	43·5	42·4	43·8	44·5	41·0	43·0	45·3	44·4	41·8	...	44·5	43·8	42·1	45·0	45·8	14
15	44·0	42·7	42·5	43·2	44·5	40·7	42 6	44·7	43·8	41·9	...	44·7	43·9	42·1	45·2	46·0	15
16	44·3	42·8	42·5	43·5	45·0	41·5	42·7	45·0	43·7	42·4	...	44·9	44·2	42·3	45·0	46·3	16
17	44·7	43·5	43·3	44·7	46·2	42·3	43·3	45·5	44·1	43·3	...	45·3	44·7	43·3	45·5	46·7	17
18	45·0	44·0	43·5	45·3	46·5	42·9	43·5	46·0	44·5	43·9	...	45·5	44·7	43·8	45·8	46·7	18
19	45·2	44·2	43·9	45·0	46·2	43·3	43·9	46·0	44·7	44·4	...	45·8	44·7	44·2	45·9	46·6	19
20	45·2	44·2	43·9	45·1	46·1	43·4	44·1	46·0	44·8	44·5	...	45·9	44·9	44·3	45·8	46·5	20
21	45·3	44·5	44·1	45·2	45·8	44·1	44·7	45·5	45·0	44·7	...	45·7	44·8	44·5	45·8	46·1	21
22	45·3	44·7	44·3	44·8	45·3	44·3	44·5	45·3	44·8	44·9	...	45·8	44·7	44·7	45·5	45·5	22
23	45·3	44·7	44·4	44·8	45·1	44·4	44·7	45·1	44·4	45·3	...	45·8	44·5	44·8	45·3	45·3	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	45·0	45·3	45·0	44·3	45·7	45·9	45·5	45·3	45·7	46·1	45·0	45·5	45·9	45·7	45·3	45·2	Midnight
1h	45·1	45·3	45·2	44·5	45·6	45·9	45·5	45·3	45·8	45.8	45·8	45·5	46·1	45·8	45·5	45·4	1h
2	45·5	45·3	45·3	44·7	46·0	46·1	45·5	45·1	45·5	45·5	45·0	45·3	4·62	45·7	45·7	45·4	2
3	45·5	45·2	45·1	44·8	46·0	45·9	45·5	45·3	44·7	45·7	45·8	44·8	46·2	45·9	45·3	45·5	3
4	45·5	45·1	45·3	44·9	45·8	46·0	45·8	45·8	45·8	45·5	45·7	44·7	46·3	45·8	45·3	45·6	4
5	45·3	45·3	45·3	44·9	46·1	46·1	46·0	46·0	44·0	46·2	45·2	45·2	45·8	45·8	44·8	45·6	5
6	45·5	45·3	45·4	45·2	45·5	46·0	46·2	46·0	43·7	45·7	45·3	45·1	45·9	45·2	45·2	45·6	6
7	45·8	45·9	45·4	45·3	45·0	45·8	46·5	46·3	43·8	45·3	46·5	45·5	45·9	46·0	46·0	45·9	7
8	46·5	46·3	45·8	45·3	44·8	46·1	47·8	47·5	45·2	47·0	47·8	47·0	46·5	48·0	46·7	46·5	8
9	47·3	47·8	46·3	45·3	46·2	46·5	48·8	48·5	47·5	47·3	48·2	47·8	46·8	48·3	48·2	47·2	9
10	46·5	46·7	46·5	45·5	46·7	47·0	49·5	49·0	46·7	48·1	47·5	47·3	46·1	47·2	48·0	47·0	10
11	45·7	46·1	45·9	45·3	46·5	46·7	48·0	47·5	45·8	47·0	44·7	45·8	45·0	44·8	45·5	46·1	11
Noon	44·7	45·5	44·5	45·4	46·1	46·0	44·8	45·0	45·0	45·0	43·6	45·5	44·4	43·8	44·7	45·2	Noon
13h	43·5	45·0	43·3	44·1	45·0	45·0	43·5	43·5	44·8	44·5	43·5	44·2	44·7	43·3	44·7	44·3	13h
14	43·7	42·5	42·5	43·8	44·1	43·9	42·2	42·1	44·5	44·0	42·5	43·8	44·4	43·3	45 1	43·6	14
15	43·7	42·8	42·5	43·3	44·0	43·9	42·1	41·8	45·0	44·7	43·0	44·3	44·5	44·1	46·2	43·6	15
16	43·8	43·5	42·7	43·9	44·0	43·9	43·2	42·4	45·5	44·7	44·5	44·7	44·7	44·7	46·2	44·0	16
17	43·9	44·3	44·0	44·3	44·6	44·5	44·5	44·5	47·0	45·5	45·3	45·8	45·1	45·3	44·7	44·7	17
18	44·7	44·7	44·3	44·7	45·1	44·7	45·0	44·7	46·5	46·5	45·1	45·7	45·2	45·7	45·7	45·0	18
19	45·0	44·8	44·3	45·3	45·3	45·0	45·0	45·5	46·3	47·5	45·5	45·8	45·3	45·8	45·5	45·2	19
20	45·1	44·9	44·3	45·3	45·5	45·0	45·0	46·0	46·3	46·3	46·2	45·9	45·2	45·5	45·8	45·2	20
21	45·0	44·7	44·4	45·2	45·5	45·1	45·2	47·5	47·2	45·7	47·0	46·0	45·5	45·8	45·5	45·4	21
22	44·7	45·2	44·3	45·1	45·5	45·3	45·3	49·0	48·3	45·5	45·8	46·3	45·2	45·7	45·5	45·4	22
23	44·7	44·8	44·1	45·3	45·3	45·3	45·0	47·3	45·3	45·1	45·9	45·9	45·0	45·6	45·7	45·1	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 1923.

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	077	080	084	085	083	087	095	077	092	094	Register bad.	097	098	093	100	093	Midnight
1h	077	082	087	089	084	089	096	084	091	094		097	097	094	100	097	1h
2	077	084	088	090	085	089	097	090	093	094		098	097	093	093	088	2
3	082	085	089	090	087	097	098	093	094	097		099	094	092	102	102	3
4	085	087	093	093	089	097	099	094	099	097		099	096	092	097	098	4
5	078	084	093	094	092	097	099	095	099	097		098	096	093	094	094	5
6	083	087	093	095	093	098	103	098	102	099		101	097	094	097	094	6
7	087	093	092	094	093	102	104	104	105	101		098	096	095	099	096	7
8	087	093	087	094	091	098	103	105	105	103		097	093	097	100	096	8
9	087	090	086	094	088	093	102	103	105	105		097	094	099	102	097	9
10	093	090	094	097	087	093	107	104	107	107		100	102	104	107	098	10
11	095	095	096	104	089	096	116	108	109	109		107	107	107	103	100	11
Noon	093	095	102	103	097	097	115	109	110	110		107	110	107	103	113	Noon
13h	091	094	103	100	102	099	110	108	110	110		109	106	104	107	117	13h
14	085	092	099	094	102	097	103	107	109	109		111	103	102	107	113	14
15	084	094	096	093	103	096	099	105	103	107		107	099	097	099	103	15
16	084	095	095	090	103	094	095	100	102	105		103	095	093	093	095	16
17	085	092	090	087	097	095	087	097	097	105		098	087	090	092	087	17
18	084	087	087	083	096	096	080	096	097	100		094	083	089	099	083	18
19	084	084	080	079	095	097	073	096	098	097		096	084	088	092	084	19
20	079	080	079	079	093	096	069	096	097	094		099	087	090	090	084	20
21	080	088	080	080	092	096	068	094	096	094		102	089	092	089	087	21
22	083	083	084	083	093	097	078	093	097	094		099	089	093	088	087	22
23	084	084	084	083	087	096	077	092	096	096		098	090	096	089	093	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	094	090	090	094	105	080	094	098	033	065	072	067	077	080	077	085·0	Midnight
1h	095	094	090	095	115	080	094	099	032	064	073	068	077	082	077	086·4	1h
2	093	094	100	096	104	084	095	103	072	065	080	069	085	087	077	088·7	2
3	094	096	096	097	106	087	098	105	075	067	073	073	083	081	076	090·2	3
4	097	098	095	097	105	093	099	107	070	070	076	079	083	079	077	091·3	4
5	094	097	096	097	105	097	102	109	073	074	075	079	084	082	084	091·7	5
6	093	097	096	098	107	101	104	110	090	077	076	078	085	083	083	093·7	6
7	091	099	097	101	113	102	105	118	078	079	075	082	091	087	085	095·4	7
8	093	097	094	102	117	100	108	120	071	080	074	084	092	087	087	095·2	8
9	095	096	094	104	117	098	109	121	073	078	070	087	095	087	092	095·3	9
10	098	098	097	104	123	101	110	127	069	079	082	092	095	089	093	098·2	10
11	100	099	098	107	124	098	109	127	050	077	080	093	096	093	092	099·5	11
Noon	093	095	100	109	127	097	108	133	058	062	078	093	097	091	092	100·5	Noon
13h	093	095	103	103	122	101	107	131	064	061	076	088	096	087	091	099·6	13h
14	092	097	098	096	116	101	106	107	065	062	076	075	093	084	087	096·3	14
15	092	094	091	096	103	096	104	093	058	067	064	074	088	083	086	092·5	15
16	089	093	090	098	092	092	103	074	056	066	055	073	085	082	083	089·1	16
17	090	092	093	102	087	088	102	053	040	055	063	073	083	083	083	085·8	17
18	090	091	094	103	087	089	100	055	044	047	057	077	080	083	084	084·5	18
19	089	093	095	102	084	093	103	072	059	063	059	077	081	081	081	085·3	19
20	090	094	095	104	080	089	102	041	057	071	056	076	077	082	077	083·4	20
21	089	091	093	106	081	091	100	026	055	068	063	076	078	077	073	083·1	21
22	090	088	093	103	083	092	098	014	055	070	060	084	081	077	074	083·1	22
23	090	089	093	103	079	092	097	021	061	073	066	080	082	077	077	084·2	23

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

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

MARCH 1923.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	063	063	063	063	064	062	061	063	061	059	059	057	057	056	055	056	Midnight
1h	063	063	063	062	063	062	061	062	060	059	059	057	057	056	054	055	1h
2	063	063	062	061	062	061	060	061	060	059	059	057	057	056	055	054	2
3	063	062	061	062	061	061	060	061	060	059	059	057	057	056	055	054	3
4	063	063	061	061	061	059	059	060	060	059	059	057	057	056	055	053	4
5	064	063	062	062	061	059	059	060	060	059	059	057	057	056	056	054	5
6	066	065	063	062	062	058	060	060	059	059	059	057	057	057	056	054	6
7	067	067	067	063	063	059	061	060	059	059	060	058	058	058	056	055	7
8	067	070	070	065	067	060	063	062	061	059	061	059	061	059	054	055	8
9	069	069	063	066	069	062	062	065	060	056	057	060	051	057	053	053	9
10	065	065	065	065	065	063	060	065	060	052	054	057	050	055	049	052	10
11	057	060	050	063	057	060	057	061	058	049	053	053	050	051	047	051	11
Noon	051	056	053	060	047	054	052	052	056	046	049	049	046	048	042	048	Noon
13h	049	051	046	056	044	046	048	045	049	046	045	044	044	043	036	041	13h
14	048	051	043	055	043	042	045	043	045	047	043	044	047	043	036	044	14
15	050	050	047	055	044	044	046	047	047	051	042	049	051	046	041	047	15
16	054	053	051	057	050	054	051	053	052	056	046	053	055	049	046	051	16
17	059	057	056	061	056	054	055	058	053	059	050	054	057	051	049	055	17
18	061	061	061	063	060	057	056	060	057	060	052	055	058	054	052	056	18
19	062	063	061	063	061	059	058	060	059	060	056	056	058	056	053	056	19
20	063	064	063	064	061	060	061	060	059	060	057	056	058	057	056	057	20
21	063	065	064	064	062	060	062	061	060	060	058	056	057	057	056	057	21
22	063	064	063	064	063	061	063	061	060	060	059	056	057	057	057	056	22
23	062	063	063	065	063	061	063	061	060	060	059	056	057	056	057	056	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	055	054	053	054	053	055	054	051	059	058	053	054	057	049	055	057·3	Midnight
1h	056	054	053	053	052	054	054	051	056	055	054	054	057	052	051	056·8	1h
2	054	053	051	052	051	055	053	051	054	055	054	055	056	057	050	056·5	2
3	054	053	051	052	050	054	052	050	054	056	054	054	057	057	051	056·4	3
4	053	053	051	052	050	053	051	050	053	056	055	054	057	053	054	056·1	4
5	054	053	052	051	050	052	051	050	052	057	056	054	056	055	053	056·2	5
6	056	054	052	052	050	052	050	050	052	054	058	054	057	056	055	056·6	6
7	057	054	054	053	049	051	052	049	053	055	057	053	056	057	053	057·2	7
8	060	056	058	054	053	053	053	053	059	057	058	054	060	055	052	059·0	8
9	060	058	062	056	053	056	054	054	062	055	057	050	045	056	050	058·1	9
10	056	059	062	056	056	055	053	052	061	053	056	049	036	059	047	056·5	10
11	053	054	057	055	050	052	047	047	055	059	057	051	038	052	045	053·2	11
Noon	046	051	049	050	044	049	044	041	054	043	035	053	046	050	042	048·6	Noon
13h	038	046	044	044	041	047	037	037	052	039	036	056	051	051	040	044·9	13h
14	038	036	046	044	042	048	038	038	051	044	042	056	058	054	042	045·0	14
15	041	034	051	044	044	049	044	044	055	048	050	055	064	056	047	047·8	15
16	044	043	053	046	044	051	046	050	058	051	055	053	064	056	050	051·5	16
17	046	047	055	047	047	052	049	055	056	054	056	054	063	055	050	053·9	17
18	051	051	055	050	050	053	050	055	056	055	055	053	061	055	050	055·6	18
19	054	053	054	051	051	052	050	054	056	056	057	055	060	056	051	056·5	19
20	054	054	054	052	052	053	050	051	056	054	056	052	058	057	052	056·8	20
21	055	054	055	052	053	054	050	054	057	053	053	052	055	059	053	057·1	21
22	056	055	055	053	054	054	051	056	057	053	054	051	053	055	053	057·2	22
23	055	054	055	053	055	054	051	060	055	054	055	052	050	056	052	057·2	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1923.

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.	Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0–10.)
MAR.	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1007·5	+ 2.7	28·0	22·3	5·7	24·7	— 0·9	2·8	19·9	— 2·0	75	— 5	23·0	17·5	0·5	10	6.0	5·4
2	1008·3	+ 3·4	29·2	20·5	8·7	25·0	— 0·6	3·2	19·5	— 2·4	71	— 9	22·4	16·2	1·4	10	7·2	3·6
3	1008·1	+ 3·2	28·7	21·9	6·8	25·3	— 0·2	3·3	19·7	— 2·2	71	— 9	22·7	19·4	0·2	10	8·2	3·5
4	1007·4	+ 2·4	27·9	22·0	5·9	24·2	— 1·3	1.7	21·3	— 0·6	84	+ 4	25·1	19·6	16·0	155	4·8	5·8
5	1006·1	+ 1·1	29·1	20·3	8·8	24·1	— 1·4	2·0	20·7	— 1·2	82	+ 2	24·2	17·7	1·0	5	3·3	3·6
6	1005·9	+ 0·8	29·9	18·7	11·2	24·7	— 0·8	2·7	20·1	— 1·8	76	— 4	23·3	17·2	0·0	...	6·5	2·4
7	1006·1	+ 1·0	30·1	20·6	9·5	25·2	— 0·3	2·6	20·8	— 1·1	77	— 3	24·3	17·2	0·2	5	2·6	3·0
8	1007·6	+ 2·4	30·1	23·1	7·0	26·1	+ 0·7	2·0	22·7	+ 0·8	81	+ 1	27·3	19·7	1·4	20	1·9	6·1
9	1006·7	+ 1·5	30·4	23·6	6·8	26·1	+ 0·7	2·7	21·5	— 0·3	76	— 4	25·4	20·6	0·0	...	4·5	5·1
10	1004·1	— 1·2	29·9	21·3	8·6	25·4	0·0	2·2	21·7	— 0·1	80	— 1	25·7	18·5	0·0	...	4·2	4·5
11	1005·1	— 0·2	29·4	21·5	7·9	25·4	0·0	2·2	21·7	— 0·1	80	— 1	25·7	18·9	0·0	...	5·7	5·9
12	1007·0	+ 1·6	28·4	22·6	5·8	24·8	— 0·6	1·6	22·1	+ 0·3	85	+ 4	26·3	20·2	2·1	45	1·6	6·0
13	1007·0	+ 1·6	31·0	21·7	9·3	25·4	+ 0·1	2·1	21·8	0·0	81	0	25·9	19·2	0·0	...	6·5	3·4
14	1005·5	0·0	30·3	21·1	9·2	25·4	+ 0·1	2·4	21·3	— 0·4	78	— 3	25·1	19·2	0·0	...	5·4	3·9
15	1006·7	+ 1·2	27·9	21·6	6·3	23·9	— 1·4	2·2	20·1	— 1·6	79	— 2	23·3	19·2	13·2	55	3·5	5·3
16	1007·4	+ 1·8	27·1	23·0	4·1	24·5	— 0·8	1·5	21·9	+ 0·2	86	+ 5	26·0	20·7	21·0	100	1·2	6·4
17	1006·7	+ 1·1	26·3	22·3	4·0	24·2	— 1·1	1·3	22·0	+ 0·4	88	+ 7	26·2	21·6	20·5	270	3·5	9·4
18	1006·5	+ 0·8	27·0	23·1	3·9	24·7	— 0·5	1·7	21·8	+ 0·2	84	+ 3	25·9	22.0	4·0	160	2·6	9·3
19	1008·3	+ 2·5	27·6	23·3	4·3	25·2	0·0	3·0	20·1	— 1·5	74	— 7	23·3	21·0	0·1	5	6·1	4·9
20	1009·1	+ 3·3	28·3	22·8	5·5	25·5	+ 0·3	2·4	21·4	— 0·1	78	— 2	25·2	20·7	0·0	...	7·0	4·3
21	1007·8	+ 1·9	27·9	23·3	4·6	25·3	+ 0·2	2·6	20·9	— 0·6	77	— 3	24·5	21·0	0·0	...	5·5	6·4
22	1006·5	+ 0·6	27·9	21·8	6·1	24·7	— 0·4	2·6	20·2	— 1·2	76	— 4	23·4	19·2	0·2	5	5·3	5·1
23	1006·4	+ 0·4	28·0	20·9	7·1	24·5	— 0·6	2·4	20·4	— 1·0	78	— 2	23·7	18·6	0·1	5	5·4	4·8
24	1005·9	— 0·1	29·2	21·9	7·3	25·4	+ 0·3	2·8	20·6	— 0·7	75	— 5	24·0	19·6	0·0	...	5·5	4·8
25	1005·2	— 0·9	29·1	21·4	7·7	24·2	— 0·8	1·7	2·13	0·0	84	+ 4	25·1	18·7	3·5	65	3·5	7·1
26	1005·2	— 1·0	29·5	20·0	9·5	23·9	— 1·1	1·4	21·5	+ 0·2	87	+ 7	25·4	17·3	0·6	20	2·6	4·6
27	1004·3	— 1·9	29·5	21·5	8·0	25·4	+ 0·4	2·4	21·3	+ 0·1	78	— 2	25·1	18·7	0·8	15	6·0	5·2
28	1004·3	— 2·0	27·5	23·0	4·5	24·0	— 1·0	1·0	22·3	+ 1·1	91	+ 11	26·7	20·5	54·0	265	4·0	8·8
29	1004·9	— 1·4	27·9	21·9	6·0	24·1	— 0·8	0·8	22·7	+ 1·6	92	+ 12	27·3	21·8	73·0	605	4·0	9·3
30	1005·6	— 0·8	29·0	22·3	6·7	24 6	— 0·3	1·0	22·9	+ 1·8	90	+ 10	27·6	21·8	51·6	390	6·9	9·7
31	1004·9	— 1·5	28·6	22·6	6·0	25·0	+ 0·1	1·2	23·0	+ 2·0	89	+ 9	27·8	21·6	24·1	180	4·6	9·2
Mean	1006·4	+ 0·8	28·8	21·9	6·9	24·9	— 0·4	2·1	21·3	— 0·3	80·7	+ 0·4	25·1	19·5	289·5	2400	4·7	5·7
Aver.	1005·6	...	28·8	22·3	6·5	25·3	...	2·2	21·6	...	80·3	...	25·5	20·0	238·1	2717	4·5	6·0
...	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 1923.

The weather of March was a marked improvement, agriculturally, on that of the preceding months.

From the 1st to the 24th pressure was generally above normal and very variable. It dropped markedly towards the end of the month; which period was characterised by high humidity and frequent showers.

During the negative waves of the 10th, 14th and 15th thunder and lightning was observed, with heavy rains and a thunder storm on the 17th and 18th.

Air Temperature was very variable and 0.4° C below normal in the mean.

Relative Humidity was about normal in the mean from the 4th to 24th, but there was a rapid rise towards the end of the month.

Wind velocity was generally below normal except from the 1st to the 3rd and from the 16th to the 21st.

At the observatory rainfall was 21.6% above normal, but with defective distribution: 70% of the total fall was registered from the 28th to 31st.

The percentage variation of rainfall in the other Districts was as follows:

Northern Districts	River System 1,	26 % above	Western Districts	River System 11	12 % below
Eastern Districts	,, ,, 2, 3, 4.	1 % below		,, ,, 12	29 % ,,
South-Eastern Districts	,, ,, 5, & 6	33 % ,,		,, ,, 13	29 % above

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1923

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
MAR.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	4·1	33	+ 0·6	+ 3·9	99	3·9	4·0	+ 0·6	25·4	26·9	27·9	...	...	27·8	27·3	c.p. : c. : c.f. : .
2	11·4	92	+ 0·7	+ 2·8	104	2·9	3·1	— 0·3	25·3	26·8	27·8	...	...	27·6	27.6	f. f. d. .
3	11·6	94	+ 0·2	+ 3·5	93	3·5	3·6	+ 0·2	25·3	26·9	27·8	...	...	28·2	27.8	f. .
4	2·3	19	— 0·3	+ 2·2	82	2·2	2·4	— 1·0	25·3	26·7	27·7	...	...	27·9	27·6	f. : : o.r. : c : .
5	7·1	58	— 0·1	+ 1·2	85	1·2	1·4	— 2·0	25·3	26·7	27·8	...	...	27·9	27·3	f. : cf. : .
6	6·9	56	+ 0·8	+ 0·9	132	1·2	2·0	— 1·4	25·4	26·8	27·7	...	...	27·7	27.7	f. .
7	11·8	96	+ 0·5	+ 1·5	108	1·6	1·9	— 1·5	25·4	26·9	27·7	...	...	28·2	28·4	f. .
8	7·4	60	+ 1·2	+ 1·5	129	1·9	2·2	— 1·2	25·4	26·9	27·7	...	...	28·7	28·8	c. f. : o. p. : .
9	8·7	71	+ 0·7	+ 1·7	112	1·8	1·9	— 1·5	25·5	27·1	27·7	...	...	28·8	28·9	c. f. : f. .
10	8·3	68	+ 0·4	— 0·5	231	0·6	1·7	— 1·7	25·4	26·9	27·8	...	...	28·6	28·6	f. : t. c. f. .
11	8·0	65	— 0·4	— 1·4	286	1·5	1·9	— 1·5	25·4	26·9	28·0	...	...	28·8	29·2	f. : c. : o.g . : f. .
12	5·9	48	— 0·1	+ 1·2	85	1·2	1·5	— 1·9	25·4	26·9	28·0	...	...	28·4	28·4	c. : o. d. : f . .
13	8·9	73	+ 0·4	+ 0·3	143	0·5	1·9	— 1·5	25·3	26·9	27·9	...	...	28·6	28·8	f. . c.f. t. : f.b. .
14	9·2	76	— 0·4	— 0·6	56	0·7	2·0	— 1·4	25·5	26·9	28·0	...	...	28·8	28·9	b. : c.f. : c. l.t. : f .
15	3·8	31	— 0·3	+ 2·6	83	2·6	2·8	— 0·6	25·4	26·8	28·0	...	...	28·1	27·3	f. : o.r.l.t : c. : c .f. .
16	6·1	50	+ 0·5	+ 2·5	101	2·5	2·6	— 0·7	25·3	26·8	27·9	...	...	27·5	27·5	f. : o. g . r : c. f : .
17	0·3	3	+ 0·7	+ 3·2	102	3·3	3·5	+ 0·2	25·4	26·9	27·8	...	...	27·6	26·8	o.r. o.g.r. : t. s. m. .
18	0·2	2	+ 0·5	+ 3·1	99	3·1	3·3	0·0	25·4	26·2	27·7	...	...	27·2	26·3	o.r. t s. m. : c . p. .
19	9·1	76	+ 1·4	+ 3·3	113	3·6	3·7	+ 0·4	25·4	26·3	27·6	...	...	27·2	27·4	c.f . : f. .
20	10·6	88	+ 1·1	+ 3·3	108	3·5	3·6	+ 0·3	25·5	26·9	27·5	...	...	27·7	27·7	f. .
21	4·5	38	+ 1·0	+ 3·1	108	3·2	3·3	0·0	25·5	26·9	27·5	...	...	27·9	28·0	c. f. : c . : f. .
22	9·0	75	+ 0·7	+ 2·1	108	2·2	2·2	— 1·1	25·6	26·9	27·5	...	...	27·9	27·8	c. f. : c. : f .
23	5·3	64	+ 0·4	+ 2·0	101	2·0	2·2	— 1·1	25·5	26·9	27·5	...	...	27·9	27·9	f . : o.g. : c. f. .
24	7·6	64	+ 0·2	+ 1·6	97	1·6	1·9	— 1·4	25·6	26·9	27·5	...	...	28·2	28·4	c. f. : o .g . .
25	4·5	38	— 0·5	+ 1·0	63	1·1	1·6	— 1·7	25·4	26·7	27·5	...	...	28·2	28·3	c. : f. : c. : o.g.r: .
26	8·7	73	+ 0·6	+ 0·1	170	0·6	1·6	— 1·7	25·6	26·9	27·6	...	...	27·9	27·8	f. : c. : o.d. . f. .
27	9·1	76	+ 1·0	+ 1·4	126	1·7	1·9	— 1·4	25·6	26·9	27·6	...	...	28·2	28·4	f : d. : c. : c .f. .
28	1·3	11	+ 0·7	+ 1·3	118	1·5	1·7	— 1·6	25·6	26·9	27·6	...	...	28·0	27·3	c. : o . g. r . .
29	4·3	36	+ 0·9	+ 0·8	138	1·2	1·9	— 1·4	25·6	27·0	27·7	...	...	26·4	26·9	o. g.r. : c. : o.r. .
30	3·6	31	+ 1·4	+ 0·8	150	1·6	2·3	— 1·0	25·6	27·0	27·2	...	...	26·7	26·8	o.g.r : o.g . : o. : .
31	3·4	29	+ 1·9	+ 0·7	160	2·0	2·8	— 0·5	25·6	26·9	27·1	...	...	26·8	26·8	o. :c.p.: c. :o.g.r .
Mean	6·48	53·6	+0·53	+ 1·65	107·8	1·73	2·40	—0·95	25·45	26·84	27·69	...	...	27·92	27·83	...
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 1923.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1010·5 m.b.s.	at	11h	on 20th	1002·2 m.b.s.	at	16h	on 10th
Temperature of the Air	31·°0C	at	14h	on 13th	18·°7C	at	5h20	on 6th
Daily range of temperature of the Air...	11·°2C		...	on 6th	3·°9C		...	on 18th
Temperature of the Dew Point	25·°1C	at	8h	on 13th	15·°8C	at	15h	on 11th
Daily range of temperature of the Dew Point	8·°5C		...	on 11th	1·°3C		...	on 18th
Relative humidity...	100·0%	at	7h	on 13th	53·8%	at	14h	on 2nd
Wind Velocity	6·3 m.p.s.	at	14h	on 1st	0·6 m.p.s.		often	
Rainfall	104·7 mm.	ending	11h	on 29th				
Temperature of the soil at 3 ins. ...	31·3°C	at	15h	on 14th	25·°0C	at	12h	on 29th
„ „ at 6 ins. ...	29·°9C	at	21h	on 14th	25·°5C	at	12h	on 29th
Duration of sunshine	11·8h		...	on 7th	0·2h		...	on 18th
Amount of Evaporation	8·2 mm.		...	on 3rd	1·2 mm.		...	on 16th
Vapour Tension	27·8 mbs		...	on 31st	22·4 m.b.s.		...	on 2nd
Minimum on Grass					16·°2C		...	on 2nd

Number of Days Overcast 7, Clear 2, of Rain 22, of Lightning 3, of Thunderstorm 6.

Mean Day Temperature of Air 26·°57C, Average 26·°86C. Mean Night Temperature of Air 23·°19C, Average, 23·°57C.

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

MARCH 1923.

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	0077	0088	0091	0090	0076	0066	0073	0072	0083	0058	0045	0066	0083	0068	0060	0078	Midnight
1h	0074	0084	0087	0085	0071	0064	0065	0068	0080	0052	0044	0064	0078	0064	0055	0074	1h
2	0072	0083	0082	0078	0068	0062	0063	0065	0075	0047	0042	0062	0072	0056	0052	0073	2
3	0065	0078	0075	0073	0060	0055	0055	0064	0075	0042	0038	0056	0070	0054	0046	0069	3
4	0064	0075	0072	0068	0056	0054	0052	0064	0073	0040	0037	0056	0069	0052	0049	0063	4
5	0066	0076	0073	0071	0055	0053	0055	0066	0073	0039	0039	0057	0068	0051	0050	0064	5
6	0068	0081	0079	0075	0063	0056	0057	0074	0078	0044	0044	0060	0075	0055	0059	0070	6
7	0076	0085	0082	0077	0067	0059	0065	0079	0080	0046	0050	0064	0077	0056	0069	0076	7
8	0080	0090	0086	0083	0071	0076	0071	0082	0083	0051	0056	0075	0084	0065	0080	0080	8
9	0085	0094	0088	0085	0074	0071	0074	0085	0083	0053	0063	0081	0083	0067	0076	0084	9
10	0086	0094	0087	0084	0074	0071	0070	0086	0081	0051	0066	0081	0081	0066	0075	0085	10
11	0084	0089	0085	0083	0067	0068	0066	0085	0078	0049	0060	0080	0077	0064	0077	0083	11
Noon	0079	0085	0081	0079	0058	0060	0060	0080	0069	0041	0055	0076	0066	0056	0073	0075	Noon
13h	0073	0080	0075	0074	0055	0052	0055	0075	0060	0033	0050	0070	0062	0049	0067	0070	13h
14	0067	0075	0073	0067	0049	0045	0049	0073	0053	0030	0045	0066	0055	0047	0062	0063	14
15	0065	0070	0070	0063	0048	0040	0047	0070	0052	0035	0042	0063	0055	0043	0059	0062	15
16	0066	0069	0070	0062	0050	0041	0046	0071	0050	0022	0039	0062	0055	0042	0056	0063	16
17	0066	0071	0073	0060	0046	0045	0051	0073	0049	0023	0042	0063	0056	0043	0058	0063	17
18	0070	0075	0077	0060	0049	0050	0055	0077	0053	0026	0047	0065	0061	0046	0064	0070	18
19	0074	0081	0083	0065	0054	0056	0059	0080	0055	0031	0052	0072	0064	0050	0074	0074	19
20	0082	0085	0087	0072	0059	0060	0065	0083	0059	0036	0057	0079	0067	0055	0080	0080	20
21	0086	0090	0091	0074	0065	0065	0068	0086	0066	0042	0065	0084	0070	0060	0082	0085	21
22	0090	0094	0094	0078	0069	0071	0070	0086	0063	0047	0068	0085	0075	0061	0084	0087	22
23	0091	0093	0093	0077	0068	0070	0071	0084	0059	0048	0067	0086	0072	0062	0081	0084	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	0083	0070	0077	0094	0093	0074	0067	0070	0058	0056	0051	0044	0045	0061	0064	1007.0	Midnight
1h	0084	0060	0072	0092	0085	0069	0067	0063	0056	0053	0049	0039	0039	0060	0056	1006.6	1h
2	0076	0056	0069	0089	0082	0066	0059	0062	0052	0049	0046	0034	0037	0054	0051	1006.2	2
3	0074	0044	0063	0084	0078	0064	0055	0061	0049	0045	0040	0031	0033	0053	0043	100.58	3
4	0063	0050	0064	0084	0076	0059	0053	0060	0046	0043	0037	0029	0032	0054	0044	1005.6	4
5	0065	0045	0066	0087	0080	0060	0055	0062	0045	0045	0043	0032	0040	0053	0043	1005.7	5
6	0069	0050	0070	0089	0079	0065	0057	0062	0048	0051	0044	0036	0044	0056	0044	1006.1	6
7	0071	0055	0077	0094	0083	0070	0063	0065	0050	0056	0050	0040	0050	0057	0044	1006.6	7
8	0074	0065	0086	0099	0085	0074	0069	0069	0056	0061	0055	0047	0058	0059	0051	1007.2	8
9	0078	0076	0089	0102	0090	0077	0075	0067	0059	0064	0057	0052	0065	0061	0054	1007.4	9
10	0081	0075	0090	0104	0088	0078	0075	0067	0059	0065	0058	0051	0066	0061	0057	1007.5	10
11	0075	0075	0089	0105	0085	0075	0074	0066	0057	0060	0052	0051	0057	0060	0055	1007.2	11
Noon	0067	0070	0083	0097	0077	0070	0070	0057	0050	0052	0044	0042	0048	0055	0052	1006.5	Noon
13h	0063	0063	0083	0093	0073	0060	0063	0053	0045	0047	0027	0038	0037	0050	0046	1005.9	13h
14	0050	0056	0080	0087	0070	0055	0059	0049	0046	0045	0031	0035	0039	0046	0041	1005.6	14
15	0049	0056	0077	0077	0064	0050	0055	0046	0044	0044	0026	0036	0037	0037	0038	1005.2	15
16	0048	0056	0081	0077	0063	0046	0055	0046	0044	0044	0028	0035	0036	0039	0039	1005.1	16
17	0054	0058	0087	0078	0068	0050	0056	0050	0050	0046	0034	0039	0038	0041	0041	1005.4	17
18	0055	0066	0090	0081	0074	0052	0061	0051	0054	0051	0037	0039	0044	0048	0045	1005.8	18
19	0061	0069	0094	0085	0075	0059	0065	0055	0055	0053	0039	0050	0056	0056	0049	1006.3	19
20	0066	0077	0094	0095	0076	0066	0069	0058	0059	0056	0047	0054	0058	0060	0053	1006.8	20
21	0070	0084	0096	0099	0081	0071	0072	0065	0061	0059	0051	0057	0065	0065	0057	1007.2	21
22	0076	0086	0098	0101	0081	0071	0072	0064	0060	0058	0050	0058	0069	0075	0058	1007.4	22
23	0074	0083	0097	0096	0078	0071	0071	0063	0057	0056	0050	0051	0064	0070	0055	1007.2	23

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

Hour. \ Day.	MARCH 1923.																															
	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	2	3	3	3	1	5	5	5	2	3	5	0	0	0	1	10	10	9	2	6	4	2	1	10	4	2	5	10	10	10	4·4
1h	7	2	2	2	2	1	3	4	5	3	2	6	0	0	0	1	10	10	9	3	4	4	1	1	10	4	2	4	10	10	10	4·3
2	6	1	2	2	1	0	1	7	4	2	4	5	0	0	1	3	10	10	7	2	5	2	1	1	5	2	2	2	10	10	10	3·8
3	6	3	5	2	2	1	1	7	5	2	6	9	1	0	2	5	10	10	6	2	5	6	1	4	2	2	5	8	10	10	10	4·8
4	4	3	5	1	3	0	1	6	6	4	6	8	3	1	2	7	10	10	7	4	6	3	4	1	3	3	3	8	10	10	8	4·8
5	5	2	3	3	4	0	3	5	6	4	4	8	4	3	3	8	10	10	7	6	6	5	4	2	3	4	5	10	10	10	7	5·3
6	6	3	3	5	1	1	3	6	6	4	4	8	5	3	7	8	10	10	6	5	8	7	4	2	4	3	3	9	10	10	9	5·6
7	7	4	2	5	1	1	3	6	6	4	5	8	4	2	8	8	10	10	5	3	7	5	5	3	4	3	4	9	10	10	9	5·5
8	8	5	2	5	1	0	2	8	6	4	5	7	4	3	10	7	9	9	4	3	8	5	5	3	5	1	4	9	10	10	9	5·5
9	9	6	3	5	1	3	3	6	7	6	6	6	6	6	9	8	9	10	4	5	7	7	6	5	5	1	5	8	10	9	8	6·1
10	8	7	4	5	1	6	4	6	8	5	6	6	5	7	9	10	9	10	4	5	7	7	7	5	6	3	5	10	9	9	8	6·5
11	8	6	4	8	3	7	4	6	8	5	6	7	6	7	9	9	19	10	7	5	7	9	7	3	7	3	4	10	9	10	9	6·8
Noon	8	5	3	10	4	5	4	6	6	5	7	7	5	6	8	6	9	10	6	5	8	6	7	3	7	7	5	10	8	10	9	6·6
13h	7	5	3	10	6	3	3	7	6	6	7	8	5	6	7	7	9	8	7	6	8	6	7	4	9	7	6	10	8	9	9	6·7
14	6	4	3	10	7	3	3	8	7	7	8	8	5	7	7	7	9	8	5	6	8	6	7	4	9	7	6	10	8	10	9	6·8
15	5	4	5	10	6	2	1	8	7	7	8	9	7	8	7	7	10	9	5	3	9	6	9	9	9	7	7	10	7	10	9	7·1
16	4	3	4	8	6	5	2	8	5	5	8	8	6	7	6	6	10	9	5	4	9	5	8	8	10	6	7	10	7	9	9	6·7
17	4	3	3	8	7	5	4	7	6	5	9	5	6	7	6	6	10	9	4	4	8	5	8	8	10	6	6	10	7	9	10	6·6
18	4	3	2	8	7	6	5	7	4	4	9	4	5	7	6	6	10	8	3	5	6	5	9	8	10	8	7	10	8	9	10	6·6
19	3	3	4	8	7	4	2	5	4	5	7	4	5	6	7	6	9	8	3	7	6	3	5	8	10	8	8	10	10	9	10	6·3
20	2	4	5	8	7	2	3	4	2	6	8	4	0	6	6	5	8	10	1	5	5	3	2	8	10	6	8	10	10	9	10	5·7
21	4	5	7	7	4	1	2	5	1	6	7	5	0	2	5	5	6	8	1	4	5	7	4	8	10	8	8	10	10	9	10	5·6
22	3	2	3	4	2	0	5	4	0	5	4	0	0	0	0	8	10	8	1	4	3	3	2	8	7	5	9	10	10	10	10	4·5
23	3	2	4	3	1	0	5	6	1	3	3	0	0	0	1	9	10	8	1	5	3	3	1	8	6	3	4	10	10	10	10	4·3

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

Hour* Ending \ Day.	MARCH 1923.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	·0
7	0	42	50	0	59	0	50	28	36	38	55	43	43	55	0	2	0	0	40	25	0	15	10	32	12	40	4	2	0	0	14	11·6
8	0	60	60	20	60	0	60	48	60	60	60	0	60	60	0	25	0	0	60	60	15	60	50	60	50	60	60	16	0	0	30	19·2
9	0	60	60	28	60	0	60	60	60	60	50	42	60	54	0	45	0	2	60	60	45	60	45	60	55	60	60	48	0	35	36	22·1
10	0	60	60	55	60	18	60	60	60	45	18	28	60	48	0	0	0	0	60	50	50	60	20	60	58	60	60	10	0	8	60	19·8
11	0	60	60	30	60	46	60	60	59	50	60	12	59	50	0	6	0	2	60	55	40	55	0	60	26	60	60	0	1	48	45	19·7
Noon	0	60	60	0	60	10	60	60	60	60	60	6	60	58	0	54	0	0	29	59	20	58	49	60	32	60	60	0	17	40	19	19·5
13h	5	60	60	0	44	50	60	60	60	54	60	30	60	60	14	38	0	0	15	60	0	54	14	60	38	6	53	0	40	52	0	18·5
14	10	60	60	0	3	56	60	35	59	0	60	46	54	20	60	55	0	0	35	60	8	52	2	50	0	6	18	0	47	22	0	15·6
15	60	60	60	0	0	60	60	29	0	14	43	14	6	22	58	50	0	6	60	60	17	44	29	6	0	50	57	0	34	10	0	15·1
16	60	60	60	0	2	60	60	6	33	55	7	54	40	60	42	48	15	0	60	60	18	54	60	5	0	60	60	0	57	1	0	18·3
17	59	60	60	0	16	60	60	0	35	47	3	50	9	32	32	13	0	0	55	60	52	24	36	0	0	59	55	0	52	0	0	15·5
18	52	45	48	6	0	55	55	0	0	21	1	31	26	34	20	28	0	0	12	27	2	6	0	0	0	0	1	0	12	0	0	8·1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	·0

The total amount of registered sunshine was 203·0 hours and the total possible sunshine 377·6 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°)

MARCH 1923.

Day. / Hour.	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	24·0	2·3	22·0	2·0	23·1	1·6	23·5	1·9	22·2	0·9	21·0	1·0	22·0	1·1	24·3	1·2	Midnight
1h	...	...	21·8	1·8	22·7	1·6	23·2	1·6	22.0	1.0	20.7	0.8	22·1	0·9	23·9	0·9	1
2	...	...	21·2	1·6	22·6	1·8	23·1	1·6	21.8	1.0	20.3	1.0	21·6	1·0	23·7	0·8	2
3	23·5	2·3	21·0	1·7	22·6	2·0	23·0	1·6	21.5	1.0	20.0	1.0	21·1	0·8	24·0	0·7	3
4	...	...	20·6	1·6	22·3	2·0	23·3	1·4	21·5	0·9	19·4	0·6	20·9	0·7	23·6	0·6	4
5	...	...	20·7	1·3	21·9	1·6	23·0	1·2	21·1	1.0	18.7	0.1	20·6	0.6	23·3	0·8	5
6	22·3	...	20·9	1·4	22·1	1·7	22·8	1·3	20.6	1·0	19·0	0·6	20·5	0·6	23·4	0·7	6
7	...	...	23·0	1·5	24·0	2·5	23·4	1·3	21·3	0.3	21·0	0·8	22·0	0·7	25·2	1·4	7
8	...	...	25·0	2·4	25·9	3·6	24·9	1·9	25.0	1.9	25·0	1·9	25·7	2·1	26·9	1·9	8
9	24·5	2·3	27·2	4·0	27·1	4·5	25·8	2·3	27·0	4·3	27·0	3·6	26·8	3·0	27·9	2·4	9
10	25·1	3·6	27·3	4·4	27·8	4·7	27·7	4·7	27·6	4·9	27·5	3·9	28·1	4·1	29·3	4·0	10
11	25·3	3·3	28·4	5·4	28·0	5·2	27·9	4·5	28·2	4·6	28·4	4·5	28·4	5·1	29·2	3·7	11
Noon	26·7	4·1	28·9	5·9	28·6	5·7	23·8	1·8	28·6	4·9	28·1	4·3	28·8	5·4	29·1	3·9	Noon
13h	27·3	5·3	29·0	5·7	28·4	5·4	35·1	1·4	27·9	4·6	28·2	3·8	29·1	5·5	29·3	3·9	13h
14	27·4	5·6	29·0	6·3	28·4	5·4	24·0	0·7	27·6	4·2	29·4	4·9	30·1	6·2	27·2	1·6	14
15	27·5	5·1	28·7	5·8	28·6	5·4	23·9	0·9	25·1	2·3	29·3	5·6	29·1	5·4	28·5	3·4	15
16	27·2	5·2	28·2	5·4	28·1	5·5	24·5	0.7	24·0	1·1	29·1	5·0	28·3	4·7	27·9	3·1	16
17	26·9	4·8	27·6	5·3	27·6	5·1	25·0	1.1	24·5	1·6	28·8	5·2	27·7	4·0	27·1	2·7	17
18	26·0	4·0	26·3	3·5	26·4	3·8	24·7	1·7	25·0	1·7	28·1	4·7	27·0	3·3	26·2	2·1	18
19	25·2	3·8	25·2	2·5	25·7	3·5	24·2	0.9	24·1	1·1	27·0	3·3	25·6	2·1	25·8	1·9	19
20	24·3	3·1	24·9	2·7	24·3	2·3	24·0	0.9	23·7	1·1	25·9	2·6	25·0	1·5	25·6	1·8	20
21	24·1	2·8	24·3	1·3	24·3	2·2	23·7	1·5	23·4	1·2	24·2	1·7	24·6	1·2	25·3	1·6	21
22	23·9	2·7	23·6	1·5	24·2	2·1	23·4	1.6	23·0	1·1	23·3	1·3	24·6	1·1	25·3	1·6	22
23	23·1	2·4	23·6	1·5	23·7	1·8	22·6	1.4	21·9	0·9	22·6	1·5	24·5	1·0	25·3	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.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	24·9	1·5	22·7	1·6	23·1	1·2	23·1	1·2	22·7	1·1	22·2	1·0	23·0	1·3	23·5	1·4	Midnight
1h	25·0	1·4	22·4	1·2	22·9	1·4	23·1	1·5	22·7	1·0	22·0	1·1	22·6	1·4	23·0	1·2	1h
2	24·9	1·4	22·3	1·1	22·2	1·1	23·3	1·2	22·2	0·8	21·7	1·0	22·1	1·1	23·3	1·2	2
3	23·9	0·9	22·0	1·0	22·0	1·0	23·4	1·1	22·0	0·7	21·7	0·9	21·9	1·0	23·4	1·1	3
4	23·9	0·9	21·6	0·9	22·0	1·0	23·5	1·1	21·8	0·8	21·2	0·9	21·9	0·9	23·0	0.9	4
5	24·0	1·0	21·4	0·9	21·9	1·0	23·2	1·0	21·9	0·9	21·3	1·0	21·6	0·9	23·1	1·1	5
6	23·6	1·1	21·5	0·9	21·6	0·9	22·6	0·9	21·7	0·7	21·2	1·2	22·0	0·8	23·2	0·8	6
7	24·0	0·6	23·0	0·7	23·5	0·5	24·8	1·2	23·4	0·0	22·5	0·5	22·8	1·2	23·2	1.0	7
8	25·2	2·0	26·0	2·1	26·0	1·0	25·6	1·3	25·6	0·3	25·2	1·5	21·6	0·5	24·0	0·5	8
9	27·3	3·3	27·0	2·8	27·9	2·6	27·9	2·8	27·4	3·1	27·8	3·3	22·9	1·2	25·4	2·2	9
10	28·0	3·5	28·0	2·9	26·1	2·4	27·8	2·8	28·3	2·9	28·9	3·6	23·0	1·5	23·8	0·9	10
11	29·1	4·5	29·1	3·7	28·4	2·9	26·9	2·4	30·1	4·0	29·4	4·1	24·4	2·1	25·0	1·7	11
Noon	29·3	4·4	29·0	3·5	29·0	4·2	26·5	2·8	30·3	4·3	29·9	4·5	25·6	2·9	26·6	3·0	Noon
13h	30·0	4·6	29·9	4·6	29·3	4·3	26·2	2·0	30·6	4·6	30·0	4·5	26·0	3·1	25·6	1·8	13h
14	29·9	6·0	28·0	3·8	29·2	4·6	26·1	2·5	31·0	5·0	28·1	3·6	27·1	5·0	26·4	2·3	14
15	29·0	5·4	27·6	3·1	28·8	4·6	24·5	1·3	28·5	3·8	28·0	3·5	27·3	5·6	26·8	3·1	15
16	27·7	4·0	28·7	3·8	28·1	4·2	26·1	2·1	28·4	3·9	28·9	4·9	26·6	4·6	26·3	2·9	16
17	28·2	4·6	27·9	3·9	27·6	3·3	26·5	3·2	26·9	3·3	27·8	3·5	25·9	3·7	26·0	2·6	17
18	27·4	3·9	27·3	3·2	27·0	2·9	26·4	2·2	26·1	2·7	27·2	3·4	25·0	3·0	25·8	2·2	18
19	26·3	3·0	26·2	2·4	26·0	2·2	25·1	1·2	25·3	2·1	26·1	2·4	24·0	2·1	24·9	1·5	19
20	25·1	2·1	25·3	2·2	25·2	1·7	24·0	0·8	24·6	1·6	25·4	2·0	24·3	2·0	24·0	1·0	20
21	24·2	1·7	24·7	0·8	24·4	1·4	23·6	0·9	23.6	1·3	24·8	1·7	24·0	1·9	23·9	1·0	21
22	23·6	1·5	24·0	1·3	23·3	1·1	23·1	0·9	23·0	1·2	24·0	1·4	23·6	1·6	24·2	1·1	22
23	23·2	1·4	23·4	1.2	23·0	1·1	22·9	1·0	22·8	1·1	23·5	1·4	23·2	1·4	23·6	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°)

MARCH 1923

Hour. / Day.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	23·7	0·8	23·2	1·1	23·8	1·2	23·1	1·6	24·8	1·8	23·7	1·7	22·0	1.0	23·5	1·5	Midnight
1h	23·4	0·9	23·1	1.1	24·0	1·9	23·4	1·3	24·1	1·2	23·1	1·5	21·6	0·9	23·3	1·3	1h
2	22·5	1·0	23·3	0·9	23·6	1·8	23·2	1·3	23·6	1·2	23·1	1·6	21·4	0·9	23·1	1·2	2
3	22·9	1·1	23·4	0·7	23·5	1·7	23·0	1·1	23·5	1·4	22·5	1·5	21·1	1·0	23·0	1·4	3
4	22·9	1·3	23·5	0·6	23·8	2·3	23·4	1·3	23·4	1·2	22·2	1·2	21·0	0·9	22·5	1·0	4
5	23·4	1·0	23·4	0·9	23·6	1·9	23·1	1·3	23·5	1·4	22·0	1·3	20·9	1.0	22·4	1·1	5
6	23·6	1·1	23·5	0·8	23·6	2·2	23·1	1·1	23·6	1·4	21·8	1·4	21·0	0·9	21·9	1·0	6
7	23·3	1·1	23·6	1·3	24·0	2·4	23·4	1·4	23·4	0·9	23·0	1·0	22·5	1·0	23·5	1·5	7
8	23·9	1·2	24·0	1·0	26·2	3·7	26·1	2·6	25·1	1·8	25·7	3·2	24·9	1·6	26·2	2·8	8
9	25·0	1·6	24·6	1·5	27·0	4·2	27·2	3·5	26·5	3·5	26·5	3·9	25·6	2·4	27·2	3·5	9
10	25·3	1·9	24·8	1·7	27·2	4·5	27·3	3·7	27·5	4·0	27·3	4·8	26·9	4·1	27·7	4·1	10
11	25·6	2·0	25·5	1·8	27·2	4·2	27·8	3·7	27·4	4·0	27·2	4·7	27·0	4·1	28·0	4·5	11
Noon	26·0	2·1	26·7	2·7	26·8	3·9	28·0	3·6	27·6	4·1	27·9	5·7	27·9	4·1	28·6	5·3	Noon
13h	25·8	1·8	26·3	2·7	27·1	4·2	28·3	3·8	27·0	3·6	27·6	4·5	27·0	3·5	28·5	5·3	13h
14	26·0	2·3	36·9	3·1	26·8	3·7	28·0	4·1	27·2	3·9	27·4	4·3	27·1	3·6	28·3	5·0	14
15	26·2	2·5	27·0	3·4	27·3	4·1	27·9	3·8	27·3	3·5	27·3	4·5	27·6	4·1	27·7	4·5	15
16	26·3	1·7	26·6	3·2	27·2	4·4	27·3	3·6	27·0	3·7	26·5	3·6	27·0	3·8	27·2	3·3	16
17	24·3	1·0	26·0	2·8	26·9	4·1	26·8	3·3	27·0	4·0	25·9	3·5	27·0	4·1	26·8	2·8	17
18	23·6	0·7	25·7	2·6	26·0	3.1	26·0	2·8	26·0	3·5	25·4	2·9	26·0	3·3	26·0	3·1	18
19	23·5	0·7	24·8	1·9	24·5	2·4	25·6	2·5	24·6	2·5	24·6	2·3	25·5	3·2	25·4	2·5	19
20	23·6	0·8	24·4	1·2	23·4	1·7	25·3	2·4	24·0	1·9	23·8	1·8	24·8	2·7	25·0	2·3	20
21	23·5	0·8	24·2	1·1	23·3	2·0	25·0	2·1	24·7	2·2	23·9	1·4	24·1	1·9	24·9	2·4	21
22	23.7	0·9	24·0	1·0	23·7	2·1	24·6	1·8	23·9	1·8	23·2	1·2	24·0	1·9	24·1	2·0	22
23	23·5	0·6	23·7	0·8	23·4	1·9	24·7	1·6	24·0	2.0	22·8	1·2	23·7	1·6	23·7	1·9	23

Hour. / Day.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean. Air.	Mean. Excess of Air over Evap	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	23·5	1·5	21·8	0·9	22·9	1·4	23·4	1·3	22·5	0·4	23·3	0·3	229	0.7	23·0	1·2	Midnight
1h	24·0	1·7	21·2	0·9	23·0	1·1	23·3	1·4	23·4	0·4	23·2	0·2	226	0.5	22·9	1·2	1h
2	23·4	1·6	21·0	1·0	22·3	1·0	23·2	1·1	23·3	0·4	23·2	0·3	230	0.5	22·6	1·1	2
3	22·9	1·6	20·9	0·9	22·1	0·8	23·2	1·1	23·1	0·4	23·2	0·4	230	0.6	22·5	1·1	3
4	21·7	0·8	20·6	0·7	22·2	1·1	23·3	0·8	23·1	0·3	22·8	0·3	233	0.5	22·3	0·9	4
5	21·6	1·2	20·5	0·6	21·5	0·2	23·7	0·7	23·4	0·4	22·7	0·5	230	0.7	22·2	0·9	5
6	21·9	1·0	20·0	0·5	22·0	0·9	23·9	0·8	22·9	0·7	22·5	0·4	229	0.7	22·2	1·0	6
7	22·9	1·2	20·4	0·6	22·6	0·6	24·2	0·5	21·9	0·3	22·7	0·2	235	0.1	23·1	1·0	7
8	26·2	2·8	23·3	0·8	25·4	1·8	25·1	1·2	22·5	0·4	23·9	0·2	249	0.3	25·1	1·7	8
9	26·9	2·9	23·9	0·4	27·1	3·1	27·0	2.5	22·7	0·5	25·4	0·4	263	1.2	26·4	2·7	9
10	27·5	4·0	24·1	0·0	28·0	3·7	27·2	2·9	23·0	0·3	25·9	0·9	274	1.8	26·9	3·1	10
11	27·8	4·1	25·5	1·2	28·4	4·6	25·2	1.2	23·4	0·4	27·7	1·7	278	2.1	27·4	3·4	11
Noon	27·6	3·8	26·4	1·1	28·7	4·5	24·8	0·7	25·1	0·1	27·6	2·1	284	2.8	27·7	3·6	Noon
13h	28·3	4·4	27·0	1·5	29·2	5·2	24·5	0·9	27·0	1·5	28·9	3·0	279	2.6	27·8	3·6	13h
14	25·6	1·9	27·5	2·5	28·2	4·3	24·2	1·0	27·2	1·8	27·7	2·4	278	2.5	27·6	3·6	14
15	24·3	0·8	28·2	4·0	28·5	4·3	24·0	1·0	27·3	2·0	27·0	2·2	274	2.2	27·3	3·5	15
16	24·1	1·1	28·1	4·1	28·0	3·9	23·2	1·1	27·6	2·1	26·0	2·0	273	2.1	27·0	3·3	16
17	23·9	1·2	27·6	3·5	27·5	3·6	23·2	1·0	26·9	2·7	25·5	1·7	269	1.8	26·6	3·2	17
18	23·1	0·6	26·1	1·9	26·7	2·9	23·3	0·7	26·0	0·9	25·1	1·4	253	1.6	25·9	2·6	18
19	23·0	0·9	25·5	2·0	25·9	2·3	23·3	0·7	24·0	0·9	23·9	0·8	245	1.1	25·0	2·0	19
20	23·1	0·8	24·0	1·0	25·1	1·5	23·2	0·4	22·9	0·6	23·6	0·7	239	0.8	24·4	1·6	20
21	23·2	0.6	23·6	1·5	24·7	1·3	23·2	0·5	23·3	0·3	23·4	0·5	234	0.9	24·0	1·3	21
22	23·0	1·0	23·2	1·2	24·2	1·1	23.1	0·6	23·1	0·4	23·2	0·5	236	0.7	23·7	1·3	22
23	22·4	1.0	23·1	1.2	24·1	1·0	23·0	0 8	23·0	0·3	22·9	0·8	237	0.7	23·4	1·2	23

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

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

MARCH 1923.

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	900	933	905	922	900	926	895	926	896	918	889	917	894	913	900	911	Midnight
1h	907	935	893	915	895	926	900	931	897	916	891	913	894	914	900	910	1h
2	900	917	894	914	893	935	900	923	897	913	890	914	893	916	900	910	2
3	900	926	895	912	894	927	900	932	900	917	890	915	895	912	900	911	3
4	900	924	893	915	895	923	894	930	898	912	889	917	894	914	900	915	4
5	900	926	893	915	891	921	896	921	898	912	889	917	893	916	900	912	5
6	900	930	890	925	900	925	900	921	896	920	891	912	894	914	900	914	6
7	894	927	897	917	900	923	900	924	900	916	892	911	896	909	900	914	7
8	900	944	895	922	900	935	893	936	894	915	894	908	896	909	906	913	8
9	910	948	922	932	909	943	919	919	897	913	897	913	908	906	910	914	9
10	910	950	922	933	909	942	914	935	898	809	916	907	916	907	923	923	10
11	900	953	924	936	911	954	914	935	913	913	922	905	911	917	926	917	11
Noon	910	950	919	928	910	950	887	934	923	915	933	907	918	918	918	918	Noon
13h	900	954	920	930	900	949	896	921	923	910	933	900	922	922	935	914	13h
14	913	962	924	936	915	938	872	911	900	916	934	900	940	916	930	930	14
15	911	955	924	936	918	944	886	935	886	922	943	909	919	919	918	908	15
16	918	944	929	944	900	941	882	918	896	906	928	911	918	927	931	921	16
17	918	945	916	939	900	946	904	920	894	908	921	900	915	924	918	918	17
18	915	937	909	944	908	941	900	915	896	906	921	904	900	920	917	925	18
19	909	943	900	934	900	932	900	907	896	906	912	902	900	916	908	920	19
20	908	937	900	924	905	923	899	907	896	906	906	902	900	911	909	921	20
21	907	934	900	927	900	926	900	911	896	906	911	900	900	916	905	911	21
22	907	932	900	931	900	938	900	913	896	907	898	911	900	917	908	920	22
23	907	936	900	933	900	926	896	918	891	912	895	925	900	909	917	883	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	908	920	900	918	906	886	894	903	900	909	893	916	892	911	893	915	Midnight
1h	907	916	900	910	907	884	894	913	900	910	896	910	893	910	895	912	1h
2	904	910	894	915	905	888	900	912	900	912	893	915	893	909	900	923	2
3	904	910	895	911	906	886	900	916	897	915	893	916	892	911	903	917	3
4	900	913	897	916	906	885	900	911	893	915	894	915	893	909	902	911	4
5	900	914	896	920	907	884	900	912	893	916	894	915	889	917	907	915	5
6	900	914	897	915	906	886	900	909	897	915	894	915	893	915	902	911	6
7	900	917	898	910	903	893	900	909	895	911	898	911	900	959	905	923	7
8	900	927	898	908	903	892	900	907	897	915	900	908	921	950	900	926	8
9	906	931	907	909	904	879	908	906	911	911	904	918	932	932	892	938	9
10	913	919	919	900	909	887	893	884	915	885	915	877	907	932	900	922	10
11	913	919	913	868	894	869	882	912	920	880	910	876	893	916	906	931	11
Noon	917	925	906	871	871	871	885	924	922	878	912	869	900	925	909	942	Noon
13h	912	918	914	866	873	873	889	929	936	876	900	862	900	942	913	933	13h
14	916	924	908	882	865	865	887	933	932	868	891	857	885	937	923	935	14
15	910	924	908	880	889	873	905	922	914	878	900	874	900	937	917	842	15
16	914	921	910	875	891	878	904	910	908	881	900	863	900	939	913	934	16
17	912	919	911	874	892	882	911	911	896	918	884	876	893	935	914	934	17
18	911	917	906	886	898	889	904	907	895	912	882	882	889	929	900	934	18
19	906	914	903	894	899	893	906	908	897	907	892	892	891	922	900	921	19
20	905	911	903	894	899	893	907	910	895	912	895	895	891	922	900	922	20
21	903	915	904	891	892	900	904	910	894	913	890	900	891	922	897	914	21
22	900	909	907	885	884	907	903	908	894	913	891	900	893	916	917	941	22
23	900	914	903	892	894	903	900	910	894	913	891	909	893	917	902	909	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 1923.

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	898	906	893	934	906	927	905	926	906	927	904	918	903	916	896	921	Midnight
1h	914	934	892	939	912	930	900	931	904	921	903	916	902	911	893	916	1h
2	900	929	900	940	907	934	900	918	906	927	903	915	900	911	890	923	2
3	892	938	900	943	907	916	900	935	906	931	902	911	900	917	900	923	3
4	889	928	906	928	911	929	900	926	900	925	900	918	898	911	898	912	4
5	900	936	900	944	905	925	900	923	900	926	900	918	894	914	896	918	5
6	909	944	900	936	905	926	908	941	900	930	900	922	893	916	897	915	6
7	900	942	893	934	913	934	906	927	900	916	900	910	900	923	896	918	7
8	910	947	913	932	919	928	900	934	910	923	900	923	900	926	896	921	8
9	907	934	906	927	923	934	918	945	924	936	906	928	910	923	910	925	9
10	907	933	907	932	926	940	924	936	916	939	911	926	900	921	914	936	10
11	908	940	916	924	935	953	916	939	923	934	921	931	910	923	915	924	11
Noon	911	928	918	927	931	946	916	939	916	939	919	928	919	928	919	928	Noon
13h	922	932	916	924	925	937	915	924	914	934	914	936	910	925	918	927	13h
14	923	935	911	928	930	946	923	934	926	939	922	933	918	927	914	922	14
15	927	927	915	937	926	940	926	939	923	935	922	932	917	926	913	913	15
16	931	931	913	932	916	924	916	939	918	943	913	933	919	929	889	892	16
17	931	921	914	935	912	931	931	946	919	946	921	931	912	930	893	896	17
18	918	918	904	921	907	934	915	938	908	940	908	920	904	921	900	915	18
19	897	915	905	926	906	929	914	936	907	935	900	909	900	917	900	910	19
20	900	926	894	928	909	943	906	930	900	930	900	907	897	915	900	908	20
21	888	931	895	926	900	933	907	933	900	923	902	912	896	918	900	910	21
22	893	934	900	925	907	932	907	933	900	921	903	913	897	917	900	911	22
23	900	941	900	926	906	931	907	934	909	922	902	911	892	916	900	911	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	898	910	897	906	913	887	905	911	900	913	891	912	892	911	899	915	Midnight
1h	899	906	896	910	906	915	906	914	900	911	896	909	909	921	900	916	1h
2	896	909	891	922	907	916	902	911	900	911	900	916	900	919	899	917	2
3	896	909	892	920	907	917	900	911	900	917	904	918	900	917	899	918	3
4	892	910	892	920	905	911	900	912	900	911	906	931	907	917	898	917	4
5	890	915	894	914	903	913	900	911	909	907	905	923	904	918	898	917	5
6	888	918	893	915	900	913	900	918	896	921	904	921	904	918	899	919	6
7	895	911	896	910	900	916	900	912	911	926	907	916	905	923	900	919	7
8	893	916	896	906	900	915	915	915	900	909	913	913	913	913	902	921	8
9	907	916	893	909	917	917	933	907	920	908	929	906	956	911	913	921	9
10	912	918	903	908	917	917	927	911	913	913	927	900	962	900	914	917	10
11	910	914	922	905	919	912	917	911	908	919	944	891	943	900	915	917	11
Noon	913	920	916	889	928	911	921	909	932	907	946	891	962	887	916	916	Noon
13h	914	921	919	881	923	910	917	911	935	907	943	900	951	890	916	915	13h
14	866	893	920	892	918	918	885	915	937	900	946	891	951	890	914	915	14
15	888	895	929	894	920	920	927	911	928	900	936	893	943	891	916	917	15
16	883	907	920	880	910	914	909	921	919	881	918	900	930	894	911	914	16
17	881	908	917	893	922	922	904	918	914	894	910	900	916	900	910	917	17
18	883	911	907	893	907	916	900	925	907	900	908	910	907	909	904	917	18
19	898	906	905	895	905	912	902	912	904	882	902	911	914	897	903	913	19
20	897	908	908	892	906	914	900	911	887	913	900	911	900	914	901	914	20
21	896	909	905	895	906	913	900	913	907	907	904	918	896	910	900	914	21
22	896	910	907	893	903	907	900	908	900	915	904	894	893	909	900	915	22
23	896	910	909	891	905	912	900	910	890	915	903	916	889	911	900	915	23

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

MARCH 1923.

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	8	3·3	9	2·3	8	2·6	7	2·7	7	1·8	5	2·0	6	1·4	8	1·1	10	2·2	8	1·8	22	1·5	2	0·7	8	0·9	6	1·8	5	1·4	6	1·7
1h	9	3·6	6	1·7	7	2·7	8	3·1	7	1·6	5	1·6	6	1·5	8	1·0	10	1·8	8	1·0	22	1·8	6	1·4	8	1·0	6	1·1	5	1·2	6	1·3
2	8	1·7	6	1·5	7	3·6	8	2·3	7	1·3	5	1·7	6	1·8	8	1·0	10	1·1	6	1·6	22	1·3	8	1·2	8	1·2	6	1·7	5	1·1	8	2·3
3	8	2·6	6	1·3	7	2·8	8	3·2	8	1·7	5	1·8	6	1·3	8	1·1	10	1·1	6	1·2	22	1·5	8	1·6	7	1·5	6	1·8	5	1·4	9	1·7
4	8	2·4	6	1·7	7	2·4	7	3·1	7	1·2	5	2·0	6	1·5	8	1·5	8	1·3	7	1·6	22	1·6	8	1·1	6	1·7	6	1·6	5	1·1	9	1·1
5	8	2·6	6	1·7	6	2·3	7	2·2	7	1·2	5	2·0	6	1·8	8	1·2	8	1·4	7	2·0	22	1·8	8	1·2	6	1·8	6	1·6	5	2·0	10	1·7
6	8	3·0	6	2·7	8	2·5	8	2·1	7	2·0	5	1·5	6	1·5	8	1·4	8	1·4	7	1·5	22	1·5	8	0·9	7	1·5	6	1·6	6	1·7	9	1·1
7	7	2·8	7	1·7	8	2·3	8	2·4	8	1·6	5	1·4	6	1·0	8	1·4	8	1·7	7	1·0	22	0·8	8	0·9	6	1·2	7	1·1	8	5·9	9	2·4
8	8	4·4	7	2·3	8	3·5	7	3·7	6	1·6	5	1·0	6	1·0	10	1·4	8	2·7	7	0·8	22	0·9	8	0·7	7	1·5	8	0·8	10	5·4	8	2·6
9	9	4·9	11	3·9	9	4·4	12	2·7	7	1·3	7	1·3	13	1·0	11	1·7	9	3·2	d11	1·1	23	2·1	13	1·0	12	1·5	9	1·8	12	4·6	7	3·9
10	9	5·1	11	4·0	9	4·3	10	3·8	7	0·9	14	1·8	14	1·8	12	3·3	11	2·3	d16	1·9	21	1·6	d26	1·8	20	2·2	d21	2·7	9	3·3	8	2·2
11	8	5·3	11	4·4	9	5·5	10	3·8	12	1·8	15	2·3	11	2·0	13	3·1	11	2·3	22	3·4	25	3·2	d3	2·1	20	2·8	22	2·6	6	1·8	9	3·2
Noon	9	5·1	11	3·4	9	5·1	6	3·6	13	2·7	15	3·4	12	2·6	12	2·5	11	3·0	23	3·0	28	4·1	5	2·8	20	3·2	22	3·3	8	2·5	9	4·3
13h	8	5·4	11	3·6	8	4·9	7	2·2	14	2·5	16	3·3	12	3·1	14	3·8	11	2·1	22	3·7	28	3·9	6	3·1	19	4·4	24	3·8	8	4·2	10	3·5
14	9	6·3	11	4·4	10	4·1	2	3·0	8	1·6	16	3·4	14	4·3	12	4·3	11	2·9	22	2·0	28	5·0	6	3·5	20	4·5	25	4·4	6	4·0	11	4·2
15	9	5·6	11	4·3	10	4·8	6	3·8	5	2·6	15	4·3	12	2·7	14	2·0	10	2·6	22	2·2	26	2·9	9	2·3	21	2·6	24	2·6	8	3·7	10	4·5
16	10	4·8	11	5·3	8	4·1	4	2·6	5	0·7	14	3·0	11	3·3	13	3·7	11	2·5	22	2·7	26	2·4	10	1·1	22	2·1	24	3·7	8	3·9	10	3·6
17	10	4·9	10	4·2	8	4·6	9	2·0	5	1·0	16	2·1	11	2·8	12	2·5	11	2·2	22	2·8	26	2·0	12	1·5	r7	1·8	27	2·9	7	3·6	10	3·7
18	10	4·0	9	4·5	9	4·2	8	1·5	5	0·7	15	2·2	8	2·0	11	3·0	11	2·0	22	1·5	25	1·1	11	0·8	6	1·3	28	2·5	6	3·1	8	3·4
19	9	4·4	8	3·4	8	3·2	8	0·7	5	0·7	15	1·2	8	1·6	10	2·2	10	1·5	22	0·7	25	0·7	11	1·0	6	0·8	28	1·1	6	2·4	8	2·1
20	9	3·8	8	2·4	9	2·4	7	0·7	5	0·7	14	0·6	8	1·1	10	2·3	10	1·2	22	0·7	25	0·7	11	1·2	6	1·3	28	0·7	6	2·4	8	2·2
21	9	3·5	8	2·7	8	2·6	8	1·1	5	0·7	16	1·1	8	1·6	10	1·2	9	1·5	22	1·0	d0	0·8	10	1·1	6	1·4	0	1·0	6	2·4	7	1·4
22	9	3·3	8	3·1	8	3·8	8	1·3	5	0·8	7	1·1	8	1·7	10	2·2	8	0·9	22	1·7	2	1·8	10	0·9	6	1·4	0	0·9	6	1·8	10	4·4
23	9	3·7	8	3·3	8	2·6	7	1·8	5	1·5	7	2·6	8	0·9	20	2·4	8	1·4	22	0·9	2	0·7	8	1·0	6	1·4	4	1·3	6	1·9	9	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	6	0·6	7	3·5	9	2·8	9	2·7	9	2·8	9	1·8	9	1·6	7	2·1	7	1·0	6	0·7	20	1·9	10	1·2	8	1·3	5	1·5	5	1·4	1·8
1h	10	3·7	7	4·0	10	3·2	8	3·1	9	2·2	9	1·6	9	1·1	6	1·8	7	0·6	6	1·1	r10	1·6	10	1·5	8	1·1	6	1·0	10	2·3	1·8
2	8	2·9	8	4·0	9	3·5	8	1·8	9	2·8	9	1·5	8	1·1	6	2·5	6	1·0	6	2·4	10	1·8	9	1·1	8	1·1	8	1·6	8	1·9	1·9
3	7	3·9	8	4·3	10	1·8	8	3·5	9	3·2	9	1·1	8	1·7	8	2·3	6	1·0	6	2·2	10	1·9	8	1·1	8	1·7	9	1·8	8	1·7	2·0
4	6	3·0	9	2·9	10	3·1	8	2·6	8	2·5	8	1·8	7	1·1	7	1·2	5	1·3	6	2·2	10	1·2	8	1·2	8	1·1	9	3·2	10	1·9	1·8
5	8	3·6	8	4·4	9	2·6	8	2·3	8	2·6	8	1·8	6	1·5	7	1·8	5	1·8	6	1·5	9	1·3	8	1·1	13	1·1	9	2·4	9	1·8	1·9
6	9	4·5	8	3·6	9	2·7	9	4·2	8	3·0	8	2·2	6	1·8	7	1·5	5	2·1	6	1·7	8	1·3	8	1·8	7	2·2	9	2·1	9	1·8	2·1
7	8	3·2	7	3·5	10	3·6	9	2·8	8	1·6	8	1·0	8	2·3	7	1·8	6	1·2	6	1·1	8	1·6	8	1·2	10	2·8	10	1·8	9	2·4	2·0
8	9	4·8	10	3·4	11	3·4	8	3·4	10	2·5	8	2·2	8	2·6	7	2·2	6	1·8	5	0·7	8	1·5	12	2·2	8	0·9	12	1·8	12	1·8	2·3
9	9	3·5	9	2·8	11	4·1	10	4·9	11	4·3	9	2·9	10	2·5	10	2·7	10	1·8	5	1·1	12	2·4	15	3·4	14	2·2	15	3·0	15	5·7	2·8
10	9	3·4	9	3·3	11	4·8	11	4·4	10	4·2	10	2·8	8	2·1	10	3·9	11	2·1	10	0·9	12	2·4	14	2·9	12	1·8	16	2·7	16	6·2	2·9
11	9	4·1	11	2·9	11	6·4	10	4·2	11	4·1	11	3·7	10	2·5	11	2·8	11	1·7	15	2·3	13	2·2	13	2·0	10	2·1	17	4·5	16	4·3	3·2
Noon	10	3·0	11	3·3	11	5·6	10	4·2	10	4·2	11	3·4	11	3·4	11	3·4	11	2·4	a19	1·9	14	3·0	14	2·3	15	3·3	17	4·7	17	6·3	3·5
13h	11	3·9	11	2·9	11	4·5	11	2·8	10	3·7	10	3·9	10	2·7	11	3·3	11	2·5	20	2·7	14	2·5	13	2·0	15	3·6	16	4·3	17	5·2	3·5
14	11	4·2	10	3·0	11	5·5	11	4·1	11	4·7	11	4·0	11	3·2	11	2·6	r31	3·5	18	2·2	12	2·6	4	2·1	16	3·7	17	4·7	17	5·2	3·8
15	12	3·9	10	4·0	11	4·8	11	4·7	11	4·2	11	3·9	11	3·1	12	1·8	30	1·3	17	3·0	12	2·8	14	2·9	16	2·8	17	3·7	17	4·4	3·4
16	12	4·4	10	3·4	11	2·9	10	4·2	10	4·7	10	3·5	11	3·5	r29	1·4	2	1·9	20	2·9	11	1·7	10	2·3	20	2·7	16	1·8	17	3·1	3·0
17	13	3·7	10	3·8	10	3·3	11	5·6	10	5·0	11	3·7	10	3·2	29	0·8	2	2·1	18	1·9	12	3·1	9	1·8	18	1·5	16	1·0	16	1·6	2·8
18	12	2·6	9	2·1	9	3·5	10	4·1	9	4·1	10	2·2	9	2·1	d8	1·5	3	2·0	20	1·0	10	1·8	8	2·5	16	0·7	11	1·3	11	1·1	2·3
19	7	1·5	9	2·7	9	3·0	10	3·9	9	3·6	8	0·9	8	1·7	8	1·0	6	0·7	20	0·7	10	1·3	9	1·2	d23	1·8	9	1·1	17	1·4	1·8
20	8	2·6	7	2·9	9	4·4	9	3·1	8	3·0	8	0·7	7	1·5	8	0·8	6	0·9	20	1·1	10	1·5	8	1·1	d4	1·8	8	1·1	8	1·4	1·7
21	6	3·3	7	2·7	8	3·3	9	3·4	8	2·3	9	1·2	7	1·8	8	1·0	6	1·0	20	0·7	10	1·4	8	1·3	2	1·0	9	1·8	6	1·1	1·7
22	7	3·5	8	2·5	9	3·3	9	3·4	8	2·1	9	1·3	7	1·7	8	1·1	6	1·1	20	1·0	10	0·8	8	0·8	8	1·5	21	0·7	5	1·1	1·8
23	8	4·1	8	2·6	9	3·2	9	3·5	10	2·4	9	1·1	6	1·8	8	1·1	6	1·1	20	1·3	10	1·3	8	1·0	5	1·8	9	1·6	4	1·6	1·9

d = direct ; r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MARCH 1923.

Hour Ending \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
1h	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1
2	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·0	...	...	...	...	...	...	...	...	...	0·1	...	1·4	4·5	0·1
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1.0	...	...	...	...	...	...	...	...	...	...	...	0·9	...
4	...	...	0·1	...	...	...	...	0·1	...	...	...	...	...	...	...	...	4·2	0·7	...	...	...	...	0·1	...	...	...	...	...	...	4·2	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	2·0	18·7	0.1
6	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	0·7	...	8·7	1·3	...
7	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	3.8	0·3	...	0·1	...	...	...	...	...	...	0·3	...	...	10·8	...	3·6
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11·0	...	...	...	...	...	...	...	...	...	...	...	...	...	4·0	...	0·2
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·2	0·2	...	0·5	...	...	...	...	...	...	...	...	...	...	18·0	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·0	...	0·1	...	...	...	...	...	...	...	...	...	0·4	4·5	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	...	...	...	...	...	...	...	...	...	...	...	20·0	1·8	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·3	...	...	...
13h	...	...	...	3·3	...	...	...	...	...	...	...	...	...	...	...	0·8	0·4	0·3	...	...	...	...	...	...	...	...	...	16.2	...	...	...
14	...	...	...	3·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...
15	...	...	...	4·7	...	...	...	...	...	...	...	1.1	...	...	...	...	...	...	...	...	...	...	...	...	2·2	...	...	8·4	...	...	...
16	...	...	...	4·8	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	0·4	...	...	0·2	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·3	...	...	...	...	...	...	...	0·5	...	...	0·4	...	...	...
19	...	...	...	...	1·0	...	...	0·7	...	...	...	1·0	...	...	...	...	1.0	...	...	...	...	...	...	...	0·2	0·1	...	1·3	1·8	...	1·4
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	0·1	...	0.1	6.0	...	10·2
21	...	1·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	...	0·2	0·1	...	0·3	5·2	...	1·0
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1	...	...	...	0·2	...	...	...	...	...	0·2	4·3	11·3	0·7
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·8	1·2	0·3	...	...	...	...	...	...	...	...	...	...	3·0	9·7	...
24	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	0·1	2·0	1·0	6·7

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 1923.

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	14·56	369·8	...	14
	6	Mon Loisir S. E. ...	300	12·41	315·2	223·8	14
	7	Forbach*	300	13·27	335·9	...	13
	8	Labourdonnais ...	290	13·82	351,0	258·3	12
	9	Beau Séjour	300	11·57	293·9	312.4	15
	10	Mont Piton	860	12·08	306·8	295·9	16
	11	Mon Choix	700	10·95	278·1	272·5	14
	12	Antoinette	640	15·65	397·5	275·6	19
	13	California	850	17·99	457·0	316·5	15
	14	Nouvelle Découverte§ ...	1,400	16·32	414·5	375·4	19
	15	Mon Songe	620	17·70	449·6	341·9	14
	16	La Grande Rosalie ...	643	12·66	321·5	294·9	16
	17	The Mount§	325	14·88	377·9	226·6	16
	18	Botanic Gardens ...	325	12·68	322·1	252·7	16
	19	The Observatory ...	179	...	...	...	...
	20	Solitude	175	10·38	263·6	187·2	11
	21	St. André	90	12·06	306·3	208·8	13
	22	Belle Vue Harel* ...	350	13·32	338·3	...	15
	23	Mont Choisy*	10	6·54	166·1	...	8
	25	Esperance (Trébuchet)*	165	12·88	327·1	...	12
	28	Mon Rocher*	...	11·99	304·5	...	12
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station* ...	106	7·05	179·0	...	5
	47	Terre Rouge Station* ...	137	7·98	205·0	...	5
	48	Mapou Station* ..	296	16·32	414·5	...	10
	49	Poudre d'Or Station* ...	172	11·89	302·0	...	9
	50	Rivière du Rempart* ...	134	13·32	338·0	...	13
2 & 3	1	Union Régnard ...	600	18·64	473·4	319·5	23
	2	Constance d'Arifat L.G§	100	...	...	..	...
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	600	14·35	364·5	374·1	21
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	16·01	406·6	...	15
	7	Belle Mare*	...	11·96	303·8	...	10
	8	Bel Etang (Lesur)* ...	...	16·32	414.5	...	18
	9	Belle Vue (Allendy)§ ...	...	...	...	...	...
	10	St. Julien E(K. Reetoo)*	...	12·17	308·0	...	13
4	1	Sans Souci	900	11·51	292·3	526·0	18
	2	Etoile	400	11·14	282·9	405·6	16
	3	Beau Champ	20	11·27	286·2	231·9	12
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	17·20	436·9	310·9	16
	6	Deep River*	350	17·42	442·5	...	16
	7	Belle Rose Estate* ...	...	10·15	254·2	...	17
	8	Melrose*	...	17·41	442·2	...	17
	9	Bonne Veine*	...	16·05	407·6	...	30
5	1	Rose Belle*	850	16·59	421·4	...	20
	2	Riche-en-Eau	460	9·73	247·1	372·9	14
	3	Ferney	20	6·31	160·1	391·9	15
	4	Beau Vallon	60	7	189·0	247·6	14
	5	Union Vale	200	11·78	299·2	357·4	18
5 cont.	6	Mon Désert (Carié)* ...	75	6·46	164·1	...	15
	7	Cluny§	1,000	...	...	...	...
	8	Union Park*	...	18·59	472·2	...	17
	9	Sauveterre Estate* ...	...	9·49	241·0	...	12
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	19·88	504·9	553·7	20
	2	Tivoli*	1,300	16·01	406·6	...	18
	3	La Flora*	1,050	19·14	486·1	...	20
	4	Britannia	730	10·75	273·0	421·6	18
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin	300	4·75	120·5	274·1	14
	7	Union B.A.St.Félix S.E.§	90	...	... 5	...	...
	8	Beau Bois	350	7·82	198· 3	395·5	13
	9	St. Avold	900	12·57	319·	...	20
	10	Terracine§	100	...	...	...	...
	12	Bel Air*	...	6·88	174· 7	...	12
	13	Chamouny§	...	..	...	...	...
	14	Union S. E.*	...	5·87	149·0	...	7
	15	Fontenelle*	...	3·78	96·0	...	9
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)* ...	...	8·06	204·7	...	11
	18	Choisy Estate*	...	6·78	172·1	...	14
7, 8 & 9	1	Bel Ombre	40	6·68	169·7	244·1	10
	3	Beau Champ*	...	5·15	130·8	...	11
	4	Board*	...	7·07	179.6	...	8
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10	...	No returns.	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ..	1,840	15·63	397·0	452·6	19
	3	Mare aux Vacoas ...	1,850	16·49	418·8	515·6	19
	4	La Marie Filter Bed ...	1,700	15·51	393·9	416·8	18
	5	Réunion	1,420	13·07	332·0	377·4	13
12	1	The Manse	850	8 16	207·3	232.2	18
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	8·27	210·0	271·8	28
	4	Alma*	1,460	...	...	...	...
	5	Bagatelle	1,250	9·47	240·6	380·7	15
	6	Highlands*	1,300	9·04	229·6	...	17
	7	Trianon	950	10·36	263·1	292·8	16
	8	Salency§	923	...	...	...	..
	9	La Ferme*	350	6·46	164·1	...	15
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	9·55	242·6	456·7	22
	12	Ebène*	...	9·63	244·6	...	14
	13	Mon Rêve*	...	12·40	314·9	...	14
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	8·04	204·2	...	9
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock ...	18	9·11	231·4	179·6	6

* 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, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

APRIL 1923

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of APRIL 1923.

Month and Day. 1923.	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force (Unit 1 γ)	List of Earthquakes. Date.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
APR.	° ′			′													
1	10·45·3	·22984	·30043	6·4	14	28	...	...	...	...	...	...	...	...	...	...	Repairs to basement; Instrument dismounted.
2	45·7	...	040	5·6	...	25											
3	45·5	·22994	039	5·3	25	19											
4	46·1	993	037	5·8	28	18											
5	46·2	997	·032	4·6	38	26											
6	46·6	992	029	6·2	10	24											
7	46·4	988	024	3·1	32	13											
8	46·6	984	025	5·0	16	14											
9	47·4	991	025	4·0	26	13											
10	46·8	986	023	2·7	15	11											
11	47·3	986	021	2·9	20	18											
12	46.9	977	022	2·6	28	13											
13	47·1	977	024	3·1	18	11											
14	47·0	975	023	2·9	15	14											
15	48·5	977	019	4·0	17	28											
16	48·4	981	018	3·6	17	18											
17	48·4	987	018	3·7	14	18											
18	48·6	997	020	3·6	23	12											
19	48·8	994	019	3·3	13	15											
20	49·2	996	014	4·0	34	12											
21	48·7	982	022	2·8	25	12											
22	48·6	978	024	3·3	21	9											
23	48·4	977	024	3·0	17	9											
24	48·7	975	021	5·1	16	18											
25	48·9	979	020	4·6	12	17											
26	48·9	984	020	4·4	16	20											
27	48·7	985	021	2·2	16	11											
28	48·9	984	022	2·7	16	16											
29	49·5	986	022	3·1	13	22											
30	48·9	988	026	2·5	7	13											
31	...	...	...	...	...	...											
Mean	10.47.70	·22985	·30025	3.87	19.4	16·6	...	...	...	...	...	...	...	...	...	...	...

T=0·37813 : Mean Dip.=θ=52°.33′·90 (X=·22579 : Y=−·04305 : Z=·30025).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of APRIL 1923.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Horizontal Force (C.G.S. Unit) Observed Value.	Dip (South). A. M. Observations. Day and Hour.	Dip (South). A. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force. C. G. S. Units.	Dip (South). P. M. Observations. Day and Hour.	Dip (South). P. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
APR. 6· 9·39	10·52·89	APR. 3·10·18	·23005	APR. 3·10·11	52.33·06	·30035	...	...	...
.13·33	10·45·43	.12·29	·22997	6·10·02	52·32·81	·30022	...	...	...
16· 9·39	10·51·70	10·10·05	·22981	10·10·03	52.34·03	·30035	...	...	...
.13·26	10·45·83	·13·27	·22998	16·10·15	52·33·44	·30014	16·13·41	52·32·93	·30013
27· 9·37	10·50·67	23· 9·56	·22980	27·10·03	52·32·95	·30018	27·13·24	52·32·67	30015
·13·11	10·47·07	·12·25	·22992						
		30·9·52	·22982						
		13·27	·22995						

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

APRIL 1923.

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

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

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

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

APRIL 1923.

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	076	...	086	085	083	088	088	073	085	083	084	077	072	072	073	076	Midnight
1h	077	...	087	088	087	087	087	075	085	084	085	077	078	074	074	076	1h
2	080	...	089	089	088	088	088	079	085	083	087	080	077	077	074	078	2
3	081	...	092	089	090	089	087	082	091	081	081	081	074	080	076	078	3
4	082	...	093	091	092	090	089	083	091	081	093	080	073	074	073	079	4
5	082	...	094	092	092	091	088	083	091	082	087	081	076	082	074	079	5
6	083	...	098	093	091	093	091	085	090	085	086	081	077	077	076	079	6
7	083	...	104	094	096	094	093	083	092	086	086	081	076	072	077	080	7
8	081	...	103	096	101	094	096	082	094	083	086	083	077	078	078	081	8
9	079	...	101	102	106	095	096	081	097	085	084	082	078	081	078	082	9
10	078	...	104	104	106	096	099	082	099	090	085	082	086	081	079	083	10
11	084	...	107	107	119	097	101	083	106	091	093	077	087	080	080	086	11
Noon	087	...	099	108	121	097	103	085	107	096	100	082	088	080	084	093	Noon
13h	089	...	099	106	117	096	102	087	101	094	096	088	086	079	088	092	13h
14	090	...	099	100	106	093	098	084	095	087	092	085	083	081	087	087	14
15	089	...	100	093	099	089	093	084	090	088	090	077	075	075	085	081	15
16	089	...	098	094	097	090	087	083	086	089	085	074	070	073	080	079	16
17	088	...	094	095	096	092	081	086	088	093	080	073	076	071	074	078	17
18	085	...	093	092	093	093	081	089	086	088	081	069	075	067	075	080	18
19	087	...	088	086	092	091	078	089	084	085	082	064	072	066	071	081	19
20	088	...	087	080	092	092	075	089	084	083	080	060	070	071	071	082	20
21	087	...	085	084	089	092	074	087	086	081	083	074	071	072	072	081	21
22	086	...	082	089	088	091	071	086	087	082	084	070	071	073	072	080	22
23	086	...	084	085	089	088	074	088	081	083	079	071	072	072	072	079	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	081	086	089	089	076	075	070	070	075	078	083	078	081	086	...	079·9	Midnight
1h	082	088	089	089	082	081	074	074	081	078	082	078	081	085	...	081·5	1h
2	082	090	090	090	081	079	078	074	077	078	082	078	081	091	...	082·5	2
3	083	092	091	093	080	076	074	076	075	078	082	079	082	088		082·8	3
4	084	095	091	094	085	078	081	075	077	079	083	082	083	089	...	084·1	4
5	084	097	092	093	087	079	079	081	078	079	083	082	082	088	...	084·8	5
6	085	099	093	094	086	078	079	077	079	081	084	082	084	088	...	085·3	6
7	084	100	094	096	088	082	078	077	077	083	085	084	086	088	...	086·2	7
8	083	102	099	097	081	084	075	079	080	085	087	086	089	089	...	087·2	8
9	080	105	101	102	086	081	083	081	086	088	092	088	091	089		089·0	9
10	080	107	100	107	090	084	087	080	086	090	094	089	092	091	...	090·7	10
11	086	109	101	113	091	085	086	082	086	094	097	093	094	092	...	093·3	11
Noon	091	108	102	112	095	087	084	083	087	093	097	094	093	091	...	094·7	Noon
13h	094	107	102	107	084	088	083	078	081	094	094	091	092	089	...	093·2	13h
14	094	103	100	103	085	085	078	068	078	093	088	086	091	088	..	089·9	14
15	094	097	097	100	081	078	075	067	075	087	084	083	089	089	...	086·3	15
16	093	094	093	102	074	070	071	069	075	083	082	083	086	087	...	084·0	16
17	093	094	094	096	076	067	072	070	076	082	081	083	086	088	...	083·6	17
18	092	095	093	091	081	070	071	070	078	082	083	082	085	087	...	083·0	18
19	091	094	092	091	070	072	071	071	078	082	082	081	084	088	...	081·5	19
20	090	092	092	093	073	073	074	073	080	081	081	081	083	088	...	081·0	20
21	089	088	091	087	076	080	072	077	079	080	081	081	082	087	...	081·7	21
22	088	088	091	083	076	068	071	074	079	080	081	080	081	087	...	080·7	22
23	087	091	091	079	076	077	074	074	079	081	081	079	082	087	...	080·7	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 1923.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	051	044	041	042	039	033	029	030	026	023	023	022	023	023	024	021	Midnight
1h	048	043	041	041	038	033	030	031	026	025	023	022	021	022	022	021	1h
2	048	043	040	040	037	037	029	029	027	026	024	023	023	022	021	021	2
3	047	043	039	040	036	036	028	028	027	025	023	022	023	023	021	021	3
4	043	043	040	039	034	033	028	028	025	025	022	023	024	024	021	021	4
5	041	044	040	040	034	031	027	027	025	025	023	023	024	024	022	021	5
6	050	045	040	040	035	031	025	026	024	025	023	026	025	024	022	023	6
7	053	048	0041	040	033	032	024	026	026	024	024	023	025	023	025	026	7
8	054	051	045	045	036	035	028	026	030	021	026	026	028	027	028	023	8
9	051	048	046	046	035	036	026	028	033	019	025	027	029	028	029	016	9
10	038	040	039	044	030	030	023	023	028	018	023	024	025	027	018	010	10
11	030	031	028	035	025	020	021	024	026	017	015	018	020	029	007	008	11
Noon	027	026	036	028	020	013	023	021	021	016	008	012	018	018	001	010	Noon
13h	026	027	027	028	019	015	026	022	020	019	009	014	021	015	005	014	13h
14	031	031	030	031	022	018	017	023	021	020	010	016	024	017	012	014	14
15	036	033	033	033	026	021	017	017	024	021	015	019	024	018	016	018	15
16	042	035	036	033	030	025	019	021	026	022	018	022	025	019	018	017	16
17	044	038	038	034	033	027	020	025	027	026	020	023	025	021	021	020	17
18	046	039	038	034	033	028	020	025	026	027	021	024	024	022	021	022	18
19	044	041	039	035	032	029	020	027	025	025	021	027	023	024	023	021	19
20	045	042	041	037	033	030	020	026	025	025	022	025	024	024	023	021	20
21	045	043	042	038	034	031	021	024	024	024	023	028	023	024	023	022	21
22	046	043	043	039	045	031	022	026	024	024	022	024	022	024	022	023	22
23	043	042	042	040	035	033	023	026	025	023	022	024	023	024	022	022	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	022	021	019	022	022	026	026	025	023	022	021	023	022	025	...	027·1	Midnight
1h	021	021	019	021	022	023	024	024	021	022	021	023	022	024	...	026·5	1h
2	020	020	018	021	023	023	024	023	022	022	021	023	022	024	...	026·5	2
3	019	019	017	021	021	023	023	023	023	022	021	023	022	024	...	026·1	3
4	019	019	017	021	021	023	022	023	023	022	021	023	022	025	...	025·8	4
5	020	019	017	021	021	023	023	022	023	022	021	023	022	025	...	025·8	5
6	021	020	017	021	021	023	022	023	023	022	021	023	025	025	...	026·4	6
7	021	020	020	022	021	024	020	025	023	023	021	024	030	026	...	027·1	7
8	024	024	023	023	022	028	024	028	026	026	024	028	031	029	...	029·6	8
9	023	027	024	022	024	029	025	026	026	026	023	029	028	031	...	029·5	9
10	015	027	023	020	023	028	024	024	023	022	020	026	017	030	...	025·4	10
11	011	023	018	015	019	025	018	016	024	014	015	020	009	021	...	020·1	11
Noon	006	016	009	009	014	020	017	011	009	006	013	013	011	018	...	015·7	Noon
13h	006	015	010	009	017	021	021	010	011	008	014	013	016	020	...	016·6	13h
14	010	018	016	010	021	021	024	011	011	011	016	013	018	022	...	018·6	14
15	012	018	018	011	021	021	025	014	010	016	017	014	020	023	...	020·3	15
16	016	017	020	013	024	023	027	019	016	020	021	017	022	026	...	023·0	16
17	018	017	021	016	026	024	027	022	020	023	023	021	023	028	...	025·0	17
18	019	018	021	018	024	025	027	024	021	023	024	022	023	029	..	025·6	18
19	021	019	021	019	023	025	026	023	022	023	024	022	024	029	...	025·9	19
20	021	019	023	020	026	026	026	024	022	023	023	022	025	029	...	026·4	20
21	022	020	023	021	026	024	024	024	022	023	023	022	024	029	...	026·5	21
22	022	021	024	033	025	027	027	024	022	023	023	022	023	029	...	027·5	22
23	022	019	024	033	026	025	024	024	022	022	022	022	023	029	...	026·9	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1923.

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.)
APRIL	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1005·5	— 1·0	27·4	22·9	4·5	24·6	— 0·2	0·8	23·2	+ 2·2	92	+ 12	28·1	21·6	21·7	140	6·0	8·8
2	1005·9	— 0·7	29·5	22·1	7·4	25·4	+ 0·6	1·5	22·8	+ 1·9	86	+ 6	27·5	20·7	1·8	10	6·3	6·5
3	1006·5	— 0·2	29·5	22·8	6·7	25·8	+ 1·0	1·8	22·7	+ 1·8	83	+ 3	27·3	20·5	0·0	...	4·5	4·9
4	1006·9	+ 0·2	28·5	23·3	5·2	25·5	+ 0·8	1.7	22·6	+ 1·8	84	+ 4	27·2	20·8	0·0	...	5·5	4·2
5	1006·3	— 0·5	28·0	23·4	4·6	25·2	+ 0·5	2·1	21·6	+ 0·8	81	+ 1	25·5	21·3	0·0	...	6·5	3·7
6	1005·8	— 1·1	28·1	22·7	5·4	25·1	+ 0·5	2·3	21·2	+ 0·5	78	— 2	24·9	21·1	0·0	...	4·8	6·9
7	1004·6	— 2·3	29·7	20·9	8·8	25·1	+ 0·5	1·9	21·9	+ 1·2	83	+ 3	26·0	17·4	0·0	...	4·6	5·3
8	1004·1	— 2·9	28·2	20·6	7·6	24·1	— 0·4	1·4	21·7	+ 1·1	87	+ 7	25·7	18·0	0·0	...	4·0	6·0
9	1004·0	— 3·1	29·2	21·9	7·3	25·3	+ 0·8	1·8	22·2	+ 1·6	83	+ 3	26·5	19·3	0·0	...	4·0	6·9
10	1004·6	— 2·6	28·9	21·7	7·2	24·4	0·0	1·5	21·8	+ 1·3	84	+ 4	25·9	18·9	0·0	...	1·6	3·4
11	1004·7	— 2·5	29·3	21·0	8·3	23·8	— 0·6	1·1	21·9	+ 1·5	89	+ 9	26·0	18·7	10·5	40	4·9	4·2
12	1004·4	— 2·9	25·8	22·8	3·0	24·0	— 0·3	1·1	22·1	+ 1·7	89	+ 9	26·3	21·0	11·0	145	0·5	6·6
13	1004·9	— 2·5	26·9	21·6	5·3	24·4	+ 0·1	1·3	22·2	+ 1·9	88	+ 8	26·5	21·2	58·3	180	3·8	8·3
14	1006·4	— 1·0	27·9	23·0	4·9	24·8	+ 0·6	1·8	21·7	+ 1·4	83	+ 4	25·7	20·9	1·2	15	3·7	4·1
15	1008·2	+ 0·7	28·1	21·0	7·1	24·5	+ 0·3	2·0	21·1	+ 0·9	82	+ 3	24·8	18·3	0·3	10	0·8	3·8
16	1008·3	+ 0·7	27·9	22·6	5·3	24·8	+ 0·7	2·3	20·8	+ 0·6	78	— 1	24·3	19·2	0·8	25	5·3	3·8
17	1006·6	— 1·1	27·0	21·7	5·3	23·6	— 0·5	2·1	20·0	— 0·1	81	+ 2	23·2	18·4	0·7	15	4·2	3·5
18	1005·4	— 2·3	27·5	21·0	6·5	24·0	0·0	2·2	20·2	+ 0·1	79	0	23·4	18·7	0·0	...	5·5	2·9
19	1004·8	— 3·0	28·5	21·3	7·2	24·7	+ 0·8	1·4	22·3	+ 2·3	87	+ 8	26·7	17·9	2·8	45	0·8	5·0
20	1003·9	— 4·0	28·0	23·6	4·4	25·4	+ 1·5	1·4	23·0	+ 3·0	87	+ 8	27·8	21·0	12·2	100	6·2	5·8
21	1004·3	— 3·6	27·8	22·1	5·7	24·4	+ 0·6	1·2	22·3	+ 2·4	88	+ 9	26·7	19·0	24·8	70	5·4	5·8
22	1005·4	— 2·6	27·1	23·0	4·1	24·4	+ 0·6	1·3	22·2	+ 2·3	88	+ 9	26·5	21·4	5·7	70	1·1	6·7
23	1005·7	— 2·4	27·2	23·0	4·2	24·8	+ 1·1	2·3	20·8	+ 1·0	79	0	24·3	21·6	2·9	55	6·5	5·7
24	1006·7	— 1·4	25·5	22·5	3·0	24·2	+ 0·5	1·4	21·8	+ 2·0	87	+ 8	25·9	21·3	12·7	135	1·7	9·3
25	1007·9	— 0·3	27·1	23·0	4·1	24·7	+ 1·1	2·1	21·1	+ 1·4	81	+ 2	24·8	21·8	0·1	5	3·7	7·5
26	1009·6	+ 1·3	27·1	23·0	4·1	24·3	+ 0·7	2·7	19·7	+ 0·1	76	— 3	22·7	16·6	0·0	...	5·2	5·6
27	1009·7	+ 1·4	27·1	20·2	6·9	23·0	— 0·5	2·2	19·2	— 0·4	79	0	22·0	15·6	0·1	5	4·4	5·0
28	1008·1	— 0·3	26·5	21·6	4·9	23·5	+ 0·1	2·6	19·0	— 0·5	76	— 3	21·8	18·2	0·0	...	5·8	4·7
29	1007·0	— 1·5	27·1	20·9	6·2	23·6	+ 0·2	1·6	20·8	+ 1·4	84	+ 5	24·3	17·5	0·2	5	2·7	4·7
30	1007·9	— 0·7	27·2	21·6	5·6	24·5	+ 1·2	2·0	21·1	+ 1·8	82	+ 3	24·8	18·4	0·4	10	4·7	6·3
Mean	1006·1	— 1·4	27·8	22·1	5·7	24·5	+ 0·4	1·8	21·5	+ 1·3	83·4	+ 4·0	25·4	19·5	168·2	1080	4·2	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
...	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 1923.

The weather of April was exceptionally favourable to the Crop.

Pressure was characterized by two well marked negative waves succeeding at short intervals ; periods of high humidity and frequent showers.

Temperature was generally above normal but variable.

Relative Humidity was markedly above normal for nearly the whole of the month and very variable. It was 4% above in the mean.

Wind velocity was above normal from the 22nd to the 27th and generally below for the month ; the direction was markedly more Easterly than usual.

Rainfall was above normal and well distributed over the Island.

The percentage variation for the several districts was as follows :

Northern Districts	River System 1,	44 % above	Western Districts	River System 11	31 % above
Eastern Districts	,, ,, 2, 3, 4.	76 % ,,		,, ,, 12	49 % ,,
South-Eastern Districts	,, ,, 5, & 6	38 % ,,		,, ,, 13	70 % ,,

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1923

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
APR.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	0·2	2	+ 0·8	+ 0·1	173	0·8	1·5	— 1·8	25·4	26·8	27·2	...	...	26·8	26·6	o.g.p. : o. : f.
2	9·2	78	+ 0·4	+ 0·3	143	0·5	1·7	— 1·6	25·7	27·1	27·2	...	...	27·1	27.8	c.f. : c. p. : c.f.
3	10·9	93	+ 0·2	+ 1·3	99	1·3	1·6	— 1·7	25·7	27·2	27·3	...	...	28·4	28.9	c. : c.f. : f.
4	9·8	83	0·0	+ 2·1	90	2·1	2·3	— 1·0	25·6	27·0	27·4	...	...	28·6	28·8	c.f.
5	10·5	89	— 0·3	+ 3·7	85	3·7	3·8	+ 0·5	25·6	26·9	27·5	...	...	28·5	28·4	c.f. :
6	6·7	57	+ 0·7	+ 2·9	104	3·0	3·1	— 0·2	25·6	26·9	27·6	...	...	28·2	28.2	o. : c. : f
7	7·2	61	+ 0·1	+ 0·1	135	0·2	1·4	— 1·9	26·0	27·1	27·6	...	...	28·0	27·9	f. : c. f.
8	4·7	41	— 0·8	+ 0·4	27	0·9	1·5	— 1·8	25·5	27·1	27·5	...	...	28·6	28·2	f. : o.
9	5·2	45	+ 0·6	+ 0·1	170	0·6	1·6	— 1·7	25·5	27·2	27·6	...	...	28·2	28·3	o. : c.f.
10	6·4	55	— 0·2	+ 0·8	76	0·8	1·5	— 1·8	25·6	26·9	27·6	...	...	28·3	28·2	f. : c. f. : f.
11	4·9	42	+ 0·2	+ 0·7	106	0·7	1·5	— 1·8	25·7	26·8	27·6	...	...	27·9	27·7	f. : o. p. : f.
12	0·4	4	— 0·9	+ 2·3	69	2·5	2·6	— 0·7	25·7	26·9	27·7	...	...	27·3	26·5	f. : o. r. : c.f
13	0·5	5	— 0·4	+ 2·5	81	2·5	2·6	— 0·7	25·7	27·1	27·6	...	...	26·3	25·9	o.g. r. : o. : c. f.
14	9·1	78	— 0·1	+ 3·5	88	3·5	3·6	+ 0·3	25·7	27·0	27·4	...	...	26·6	26·6	f. : c .d. : f.
15	10·4	90	+ 0·2	+ 2·7	94	2·7	2·8	— 0·5	25·7	27·1	27·4	...	...	26·8	26·8	f. : c. f. :
16	10·4	90	— 0·1	+ 2·2	87	2·2	2·3	— 1·0	25·6	27·0	27·2	...	...	27·3	27·4	c. : d. : f. : b.
17	8·3	72	— 0·2	+ 2·4	85	2·4	2·5	— 0·8	25·5	26·9	27·2	...	...	27·1	26·9	f. b. : c. f. : f.
18	10·9	94	— 0·3	+ 2·9	84	2·9	3·0	— 0·3	25·4	26·8	27·2	...	...	26·7	26·6	f.
19	6·8	59	— 0·2	+ 2·1	85	2·1	2·2	— 1·1	25·6	26·9	27·2	...	...	27·1	27·1	f. : c. : c.p. :
20	7·3	64	— 0·2	+ 2·3	87	2·3	2·4	— 0·9	25·7	26·8	27·2	...	...	27·4	27·5	o.g. r. : c . f.
21	5·2	46	— 0·2	+ 2·4	85	2·4	2·6	— 0·7	25·7	26·9	27·3	...	...	27·4	27·2	: c. : o.p. : f.
22	2·3	20	— 0·2	+ 3·3	86	3·3	3·4	+ 0·1	25·6	26·9	27·3	...	...	27·1	26·5	: c. p. : c .f. :
23	10·1	88	— 0·2	+ 4·9	88	4·9	5·0	+ 1·7	25·7	26·9	27·2	...	...	26·7	26·7	o.p : c . f. :
24	0·1	1	+ 0·9	+ 4·5	101	4·6	4·7	+ 1·4	25·6	26·8	27·2	...	...	26·3	25·9	o .g.r: o.d.
25	6·5	57	+ 0·5	+ 3·9	97	3·9	4·0	+ 0·7	25·7	26·9	27·1	...	...	26·2	26·1	o. : c.
26	9·2	81	— 0·2	+ 4·2	87	4·2	4·3	+ 1·0	25·7	26·9	27·0	...	...	26·4	26·3	c. f.
27	10·2	90	— 0·6	+ 3·0	79	3·1	3·1	— 0·2	25·7	26·7	27·0	...	...	26·1	25·8	f. : c .f. :
28	10·7	94	— 0·5	+ 3·1	81	3·2	3·2	— 0·1	25·7	26·8	26·9	...	...	26·2	25·4	c. : c . f.
29	9.6	85	+ 0·2	+ 2·6	94	2·6	2·8	— 0·5	25·7	26·8	26·9	...	...	26·2	26·2	f.
30	9.1	80	+ 0·6	+ 2·4	104	2·5	2·5	— 0 8	25·6	26·8	26·9	...	...	26·8	26·6	c . f.
31	...	...	...	...	...	...	...	...	...	...	...	...	...			...
Mean	7·09	61·4	—0·07	+2·32	88·3	2·32	2·70	—0·60	25·64	26·93	27·30	...	...	27·22	27·10	...
Average	7·68	66·1	—0·97	+2·64	70·9	2·81	3·30	...	25·49	26·94	...	...	...	25·70	25·55	...
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 1923.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1011·3 m.b.s.	at	22h	on 26th	1002·4 m.b.s.	at	15h	on 20th
Temperature of the Air	29·°7C	at	12·25h	on 7th	20·°2C	at	6h	on 27th
Daily range of temperature of the Air...	8·°8C		...	on 7th	3·°0C		...	on 12th & 24th
Temperature of the Dew Point	25·9°C	at	10h	on 2nd	17·°8C	at	1h	on 27th
Daily range of temperature of the Dew Point	7·°0C		...	on 27th	1·°6C		...	on 24th
Relative humidity...	100·0%		often	on 11th	60·1%	at	12h	on 5th
Wind Velocity	7·1 m.p.s.	at	13h	on 23rd	0·6 m.p.s.			often
Rainfall	69·3 mm.	ending	5h	on 13th				
Temperature of the soil at 3 ins. ...	30·7°C	at	18h	on 3rd	22·°2C	at	3h	on 28th
,, ,, at 6 ins. ...	29·°5C	at	18h	on 4th	25·°3C	at	9h	on 29th
Duration of sunshine	10·9h		...	on 3rd & 18th	0·1h		...	on 24th
Amount of Evaporation	6·5 mm.		...	on 5th & 23rd	0·5 mm.		...	on 12th
Vapour Tension	28·1 mbs		...	on 1st	21·8 m.b.s.		...	on 28th
Minimum on Grass					15·°6C		...	on 27th

Number of Days Overcast 4, Clear 1, of Rain 19, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 26·°00C, Average 25·°54C. Mean Night Temperature of Air 23·°06C, Average, 22·°39C.

* South (0°); East (90°); North (180°); West (270°). † Thermometers 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 1923.

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	0058	0063	0070	0076	0070	0070	0063	0045	0051	0050	0055	0048	0049	0063	0078	0091	Midnight
1h	0060	0057	0065	0069	0065	0065	0055	0042	0043	0045	0050	0046	0046	0057	0076	0087	1h
2	0049	0054	0058	0063	0063	0058	0048	0035	0043	0040	0043	0038	0045	0055	0073	0082	2
3	0046	0052	0054	0062	0058	0055	0044	0031	0038	0035	0037	0033	0040	0053	0072	0076	3
4	0044	0048	0049	0061	0054	0048	0043	0029	0036	0035	0035	0030	0039	0049	0072	0074	4
5	0041	0047	0052	0064	0058	0047	0045	0028	0034	0036	0040	0036	0035	0055	0071	0076	5
6	0045	0059	0056	0066	0065	0050	0044	0033	0036	0040	0043	0039	0036	0058	0075	0080	6
7	0051	0055	0061	0067	0070	0059	0044	0038	0040	0046	0048	0048	0047	0063	0080	0084	7
8	0058	0059	0066	0074	0074	0065	0049	0045	0051	0049	0055	0055	0048	0073	0086	0088	8
9	0065	0066	0074	0077	0075	0066	0050	0046	0050	0055	0059	0059	0056	0072	0092	0093	9
10	0068	0068	0073	0079	0073	0065	0054	0045	0049	0057	0058	0065	0059	0074	0097	0094	10
11	0066	0066	0073	0077	0070	0060	0050	0041	0046	0053	0056	0049	0057	0074	0094	0090	11
Noon	0058	0060	0066	0072	0062	0057	0045	0036	0044	0045	0052	0050	0054	0067	0090	0084	Noon
13h	0056	0054	0060	0063	0057	0053	0042	0034	0033	0042	0046	0042	0048	0059	0084	0077	13h
14	0054	0040	0057	0058	0050	0051	0042	0033	0028	0039	0040	0036	0039	0054	0078	0074	14
15	0047	0046	0052	0055	0049	0050	0039	0033	0025	0037	0037	0031	0041	0054	0074	0074	15
16	0040	0050	0053	0058	0049	0048	0037	0036	0023	0038	0037	0034	0043	0053	0068	0072	16
17	0046	0051	0058	0061	0050	0054	0036	0041	0026	0039	0042	0039	0048	0059	0069	0076	17
18	0052	0055	0068	0066	0051	0055	0039	0043	0032	0041	0041	0041	0049	0060	0075	0080	18
19	0055	0063	0071	0071	0059	0058	0043	0048	0035	0045	0045	0041	0051	0066	0081	0083	19
20	0058	0069	0077	0077	0064	0065	0046	0051	0043	0051	0051	0048	0057	0074	0084	0087	20
21	0063	0073	0081	0080	0068	0065	0048	0052	0050	0058	0056	0051	0065	0077	0092	0090	21
22	0065	0075	0081	0079	0073	0066	0049	0053	0055	0061	0056	0054	0066	0081	0095	0088	22
23	0066	0073	0079	0078	0075	0065	0048	0053	0051	0059	0053	0050	0064	0078	0096	0087	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	0084	0058	0058	0046	0045	0058	0059	0058	0076	0090	0108	0095	0083	0077	...	1006.7	Midnight
1h	0084	0058	0056	0047	0041	0051	0057	0056	0077	0088	0105	0093	0080	0075	...	1006.3	1h
2	0078	0056	0052	0040	0033	0049	0055	0053	0073	0084	0096	0084	0075	0074	...	1005.8	2
3	0073	0055	0049	0038	0031	0046	0048	0052	0069	0083	0094	0083	0066	0070	...	1005.5	3
4	0070	0048	0045	0034	0026	0042	0047	0048	0067	0082	0092	0082	0063	0068	...	1005.2	4
5	0070	0050	0046	0035	0028	0045	0050	0048	0070	0084	0093	0080	0064	0067	...	1005.3	5
6	0069	0051	0046	0038	0033	0050	0055	0054	0074	0089	0096	0083	0065	0074	...	1005.7	6
7	0078	0058	0051	0041	0037	0058	0060	0056	0081	0095	0101	0085	0070	0082	...	1006.2	7
8	0084	0063	0056	0045	0046	0057	0067	0065	0080	0102	0106	0089	0073	0086	...	1006.7	8
9	0082	0068	0060	0051	0050	0061	0069	0073	0085	0107	0109	0094	0076	0088	...	1007.1	9
10	0081	0066	0059	0052	0049	0067	0070	0077	0084	0107	0109	0096	0077	0091	...	1007.2	10
11	0077	0059	0057	0048	0049	0064	0066	0076	0088	0101	0107	0088	0078	0085	...	1006.9	11
Noon	0069	0052	0051	0038	0045	0058	0060	0077	0081	0096	0099	0082	0071	0081	...	1006.3	Noon
13h	0063	0046	0044	0030	0038	0052	0054	0069	0072	0091	0094	0078	0060	0078	...	1005.7	13h
14	0052	0042	0038	0026	0034	0046	0049	0065	0070	0090	0088	0070	0056	0074	...	1005.2	14
15	0048	0041	0036	0024	0032	0039	0047	0065	0069	0085	0089	0066	0057	0071	...	1005.0	15
16	0052	0041	0037	0025	0035	0045	0047	0067	0068	0090	0089	0066	0056	0072	...	1005.1	16
17	0049	0044	0037	0028	0042	0047	0049	0069	0073	0091	0090	0068	0059	0071	...	1005.4	17
18	0049	0048	0040	0031	0047	0050	0053	0077	0079	0094	0087	0073	0064	0076	...	1005.7	18
19	0054	0050	0041	0034	0048	0053	0057	0076	0084	0100	0093	0074	0069	0079	...	1006.1	19
20	0056	0057	0047	0039	0052	0058	0064	0076	0090	0105	0096	0081	0076	0084	...	1006.6	20
21	0058	0059	0051	0046	0058	0065	0066	0081	0091	0110	0100	0083	0078	0087	...	1007.0	21
22	0058	0058	0053	0048	0059	0064	0065	0080	0094	0113	0100	0083	0079	0084	...	1007.1	22
23	0059	0058	0050	0050	0058	0063	0063	0079	0094	0111	0100	0084	0078	0089	...	1007.0	23

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

Hour. \ Day.	APRIL 1923.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	10	5	9	3	2	7	5	1	9	3	0	3	4	3	1	9	0	3	1	4	4	4	9	4	10	9	2	6	3	5	...	4·6
1h	10	8	9	3	3	9	3	0	9	2	0	2	5	3	2	4	0	4	1	4	4	2	8	9	10	8	2	7	4	3	...	4·6
2	10	6	9	3	3	9	3	0	9	2	0	2	10	1	1	4	0	5	1	9	2	4	10	10	10	6	2	6	3	6	...	4·9
3	9	7	7	4	1	8	2	0	8	2	3	2	10	2	0	5	0	3	1	10	5	6	10	10	9	8	3	7	6	7	...	5·2
4	9	5	8	4	4	10	3	5	8	1	1	2	10	2	2	9	3	2	1	7	6	2	6	10	8	7	3	7	3	5	...	5·1
5	9	5	8	5	4	10	4	5	7	2	0	1	10	3	3	7	4	3	1	9	6	6	5	9	5	4	4	7	3	5	...	5·1
6	10	6	8	4	6	9	3	6	10	3	3	7	9	3	3	7	4	2	1	8	7	8	6	9	3	6	4	4	5	8	...	5·7
7	9	7	4	3	4	8	3	7	9	3	1	9	9	6	2	6	6	2	2	8	5	8	4	8	3	5	3	3	2	7	...	5·2
8	9	7	5	3	4	6	3	6	9	3	1	10	9	5	2	6	6	1	7	8	5	8	3	8	3	6	3	3	4	6	...	5·3
9	9	9	6	5	6	6	6	7	9	3	3	10	9	3	3	5	6	1	6	9	7	9	7	8	5	4	5	3	6	7	...	6·1
10	9	6	6	7	6	6	7	5	9	4	4	10	9	6	5	5	6	1	6	8	6	9	6	9	5	6	5	5	5	7	...	6·3
11	9	6	6	6	4	6	7	4	9	7	7	10	9	7	5	4	5	2	6	7	7	7	6	10	6	6	5	6	6	6	...	6·4
Noon	9	7	6	6	5	7	9	6	9	6	7	10	10	6	5	3	7	3	6	7	10	8	6	10	7	6	5	6	3	5	...	6·7
13h	9	7	6	5	4	6	8	8	7	7	7	9	10	6	4	3	7	3	6	7	9	7	6	10	8	6	6	5	5	6	..	6·6
14	9	7	5	5	4	7	8	7	6	7	7	9	10	6	3	3	6	3	9	6	8	7	6	10	7	6	6	5	5	6	...	6·4
15	9	7	3	5	4	7	8	9	4	6	8	10	10	7	5	4	6	4	7	6	8	7	5	10	7	5	6	4	5	6	...	6·4
16	10	6	2	4	3	7	8	8	4	7	9	9	10	6	5	3	4	5	8	5	9	7	5	10	8	6	6	3	6	7	...	6·3
17	10	6	2	6	3	6	7	9	4	6	7	8	10	6	5	2	3	4	10	5	8	7	5	10	8	6	6	2	6	6	...	6·0
18	10	8	2	6	3	6	5	10	4	3	7	8	9	5	6	2	3	5	9	3	8	9	3	10	9	6	6	4	6	6	...	6·0
19	8	7	1	3	3	6	6	10	4	1	7	7	7	5	5	1	2	5	4	2	7	8	3	10	10	4	7	2	5	8	...	5·3
20	8	8	1	2	1	6	7	8	5	1	8	7	7	3	4	0	1	4	8	1	5	8	4	10	10	4	9	2	3	6	...	5·0
21	7	6	1	6	2	6	5	7	5	1	8	7	5	1	8	0	1	3	8	0	2	6	5	10	10	4	8	3	3	6	...	4·8
22	6	4	1	2	4	4	4	7	4	1	2	3	5	2	5	0	2	1	7	2	1	7	4	10	9	4	7	5	6	8	...	4·2
23	4	6	3	2	6	3	2	8	4	0	2	3	4	2	7	0	3	1	4	4	1	8	5	10	9	3	7	7	8	8	...	4·5

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

Hour* Ending \ Day.	APRIL 1923.																															
	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	28	36	10	25	0	32	0	0	12	30	0	0	14	32	4	0	30	25	0	0	0	20	0	10	12	0	25	25	22	...	6·5
8	0	57	60	60	50	22	60	20	0	18	60	0	0	48	60	56	32	60	56	32	40	0	60	0	42	55	48	60	60	59	...	19·6
9	0	20	60	60	60	27	60	17	2	60	60	0	0	60	60	55	50	60	19	12	60	0	60	6	20	60	60	60	59	50	...	19·6
10	0	50	60	60	55	47	60	55	28	60	60	0	0	58	60	60	50	60	60	36	42	10	60	1	52	60	60	60	60	50	...	22·9
11	0	60	60	49	60	60	60	50	17	27	60	0	16	34	60	60	59	60	58	18	45	3	60	0	57	60	60	59	45	30	...	21·5
Noon	0	60	60	60	60	60	40	50	0	35	0	17	3	46	58	60	50	60	59	60	18	12	60	0	20	50	60	59	50	49	...	20·3
13h	12	60	60	60	60	60	51	30	45	42	8	4	9	50	50	60	40	60	59	50	0	2	60	0	36	52	60	60	60	60	...	21·0
14	0	60	60	60	60	50	10	30	50	20	17	0	0	60	59	60	32	60	22	60	0	40	55	0	40	59	60	60	60	60	...	20·1
15	0	59	60	60	60	19	38	27	58	32	10	3	2	36	60	60	37	60	30	60	25	50	45	0	40	54	60	60	59	60	...	20·2
16	0	60	60	60	60	20	7	2	56	6	0	0	0	48	50	60	57	60	12	60	45	20	49	0	58	59	58	60	59	60	...	19·1
17	0	30	60	37	60	35	8	0	45	58	0	0	0	60	55	60	60	55	8	46	36	3	52	0	12	30	47	59	42	46	...	16·7
18	0	10	17	9	22	2	5	0	12	12	0	0	0	30	17	26	30	29	0	5	3	0	25	0	0	1	38	22	0	2	...	5·3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 212·8 hours and the total possible sunshine 348·3 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°)

APRIL 1923.

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	23·9	0·8	22·9	0·7	23·2	0·9	23·6	0·8	24·0	0·9	23·4	1·4	23·1	0·8	22·5	1·2	Midnight
1h	23·4	0·7	22·7	0·6	23·3	0·6	23·9	0·7	23·8	0.8	23.8	1.5	22·9	0·7	21·7	0·9	1
2	22·9	0·7	22·7	0·6	23·1	0·8	24·0	0·6	23·7	0.8	23·9	1.9	22·7	0·7	21·2	0·8	2
3	23·0	0·6	22·3	0·6	22·8	0·7	23·6	0·5	23·7	0.9	23.7	2.0	22·1	0·8	21·0	0·8	3
4	23·1	0·6	22·2	0·5	23·1	0·6	23·6	0·6	23·5	1·0	23·4	1·7	21·9	0·6	20·8	0·8	4
5	23·0	0·5	22·3	0·5	23·0	0·5	23·4	0·6	23·6	1.0	23.7	2.0	21·6	0.6	20·9	0·8	5
6	23·1	0·5	22·2	0·5	23·4	0·4	23·4	0·5	23·5	1·1	23·9	1·9	21·0	0·6	20·6	0·6	6
7	23·5	0·4	23·4	0·1	24·9	0·9	23·6	0·4	23·8	0.8	24·2	1·9	21·2	0·6	22·0	0·5	7
8	24·0	0·4	26·2	0·8	27·0	1·8	26·6	1·9	25.8	3·1	25·5	2·5	25·0	1·2	23·7	0·3	8
9	25·4	0·7	26·7	0·6	27·5	2·3	27·5	2·5	26·2	2·5	26·2	2·8	26·9	2·6	25·5	1·8	9
10	25·3	0·6	27·9	2·2	28·2	3·2	27·7	2·6	27·1	3·3	26·6	3·1	27·8	3·3	27·1	2·8	10
11	26·1	0·8	28·8	2·7	28·3	3·0	27·8	3·0	27·4	4·0	27·4	3·5	28·2	3·5	27·7	2·7	11
Noon	27·0	1·3	29·4	2·9	28·5	3·1	28·2	3·3	27·6	5·0	27·6	3·6	29·2	3·1	27·8	2·6	Noon
13h	27·0	1·6	29·5	3·1	28·7	3·4	28·3	3·7	27·8	3·8	27·5	3·3	29·0	3·5	28·1	2·4	13h
14	25·6	0·4	29·3	3·1	29·2	3·1	28·2	3·9	27·7	3·4	27·7	3·8	28·2	3·2	27·6	2·3	14
15	25·3	1·3	29·0	3·2	28·7	3·3	28·0	3·8	27·5	3·1	27·2	3·5	28·1	3·2	27·0	2·3	15
16	25·7	1·2	28·8	3·0	28·0	2·8	27·5	3.1	27·0	3·3	26·6	3·3	27·6	3·1	26·3	1·8	16
17	25·7	1·0	27·5	2·0	27·7	3·2	26·1	2.0	26·7	3·3	26·3	3·1	27·3	2·7	25·2	2·9	17
18	25·4	0·9	26·5	1·5	27·0	2·0	25·4	1·7	25·6	2·6	25·2	1·9	26·2	2·2	24·9	1·9	18
19	25·0	0·9	24·5	1·7	26·0	1·5	24·6	1.1	24·2	1·6	24·6	1·8	25·9	2·1	24·0	1·2	19
20	24·9	0·9	24·1	1·1	25·0	1·3	24.1	0.8	23·9	1·6	23·7	1·1	25·3	1·7	23·7	0·9	20
21	24·0	0·4	23·7	0·8	24·2	0·7	24·0	0·6	23·9	1·4	23·5	1·0	24·6	1·3	23·3	0·7	21
22	23·4	0·4	23·2	0·8	23·9	0·8	24·0	0.6	24·1	1·8	23·0	0·9	23·6	0·9	23·1	0·9	22
23	23·4	0·7	23·2	0·9	23·8	0·7	24·0	0.6	23·7	0·5	22·9	0·8	22·9	1·3	23·1	1·0	23

Day. / Hour.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	23·1	1·1	23·6	0·9	20·9	0·0	23·0	1·0	23·9	1·5	23·4	0·9	23·2	1·9	23·1	1·0	Midnight
1h	23·4	1·1	23·2	1·0	20·7	0·2	23·2	1·1	23·8	1·6	23·4	0·8	23·3	1·8	23·1	1·0	1h
2	23·2	1·0	22·9	1·1	20·4	0·1	23·2	1·1	23·6	1·5	23·4	0·9	23·3	1·8	23·0	0·9	2
3	23·0	0·9	22·2	1·0	20·4	0·0	23·0	1·0	23·5	1·5	23·2	0·9	22·2	1·1	22·8	1·0	3
4	22·9	1·0	21·9	0·8	20·3	0·0	23·4	0·6	22·3	0·4	23·3	0·6	21·6	0·9	23·2	1.0	4
5	22·4	0·9	21·7	1·0	20·4	0·0	23·5	0·8	22·1	0·8	23·3	0·7	21·0	0·8	22·7	0·8	5
6	22·1	1·4	21·9	1·0	20·0	0·0	23·5	0·6	22·5	0·5	23·0	0·6	21·5	1·1	23·1	0·9	6
7	23·1	1·0	22·5	0·4	22·0	0·5	23·8	0·7	23·3	0·6	23·6	0·6	21·2	0·9	23·1	0.8	7
8	24·4	0·8	23·9	0·7	25·5	1·9	24·1	0·6	23·7	0·3	25·0	1·6	24·5	1·7	25·5	1·8	8
9	26·1	1·8	26·8	2·9	27·1	3·3	22·9	0·9	24·8	1·1	26·9	2·7	26·3	2·7	26·9	3·2	9
10	27·3	2·5	28·4	3·9	28·0	3·8	23·2	0·7	24·3	0·8	27·0	3·0	26·9	3·0	27·3	3·6	10
11	27·8	3·4	27·4	3·3	29·2	3·7	23·6	0·7	26·2	2·4	27·5	3·3	27·5	3·6	27·3	4·0	11
Noon	28·1	2·8	28·2	3·0	27·5	2·6	25·3	1·2	26·7	2·2	26·4	2·1	27·9	3·6	27·8	4·3	Noon
13h	28·7	3·4	26·8	2·7	27·4	1·7	24·9	1·6	26·1	1·8	26·3	2·6	27·5	3·6	27·9	4·5	13h
14	28·8	4·1	25·5	1·5	26·5	1·8	25·0	1·3	25·9	2·0	26·9	3·1	27·8	3·3	27·9	4·6	14
15	28·9	3·9	26·2	2·1	26·3	1·8	25·6	2·3	26·2	2·2	26·1	2·1	27·5	3·6	27·4	3·9	15
16	28·1	3·2	26·2	1·9	24·1	0·9	25·6	2·3	25·7	2·0	26·2	2·3	26·7	3·2	26·8	3·7	16
17	27·0	2·6	26·1	2·0	24·9	1·1	25·4	1·9	25·2	1·3	26·3	2·7	26·3	3·0	26·0	3·0	17
18	26·3	1·6	26·0	1·5	24·9	1·0	24·4	1·3	24·8	1·1	25·4	2·1	25·0	1·8	25·0	2·3	18
19	25·4	1·5	24·8	1·3	24·0	0·7	24·2	1·7	24·2	1·0	24·4	1·8	23·6	0·9	24·0	1·8	19
20	25·0	1·3	23·6	0·8	23·6	0·7	23·8	0·9	23·9	1·2	24·0	1·9	23·6	0·9	22·9	1·4	20
21	24·2	0·8	23·1	0·8	23·1	0·9	23·7	0·8	24·0	1·2	23·6	1·8	23·8	0·8	22·7	1·4	21
22	23·7	0·9	22·7	0·9	22·9	0·9	24·1	0·6	23·8	0·8	23·5	1·6	23·4	1·0	22·3	1·2	22
23	23·8	0·9	22·2	0.7	22·6	0·9	24·0	0·5	23·7	0·8	23·4	1·5	22·9	0·9	22·5	1·3	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 1923

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	22·0	0·9	21·7	1·2	22·8	1·2	24·1	0·6	23·5	0·9	23·9	1·1	23·7	1.1	23·5	1·2	Midnight
1h	22·3	0·5	21·9	1.2	22·7	1·1	23·6	0·5	23·7	0·8	23·9	0·8	23·2	1·1	23·7	1·0	1h
2	22·7	0·8	21·4	1·2	22·5	0·9	23·9	0·6	23·0	0·9	24·1	1·0	23·0	0·9	23·2	0·9	2
3	22·6	1·0	22·3	1·3	22·6	1·0	23·6	0·4	22·3	0·7	24·0	1·0	23·4	0·9	23·0	1·2	3
4	22·2	0·7	22·0	1·0	22·0	0·8	23·9	0·6	22·4	0·7	23·7	0·7	23·6	1·3	22·4	0·9	4
5	22·0	0·7	21·3	1·1	22·1	0·8	23·7	0·4	22·2	0·7	23·9	0·9	23·4	1.3	23·7	1·2	5
6	21·7	0·8	21·1	1·2	21·5	1·2	23·7	0·5	22·9	0·7	23·3	1·3	23·5	1·5	23·9	1·1	6
7	21·9	0·9	21·4	1·3	22·5	0·3	24·1	0·5	23·6	0·5	23·2	0·9	23·7	1·9	24·2	1·3	7
8	24·3	1·3	22·9	1·2	25·9	2·0	25·5	0·9	26·1	1·2	23·3	1·1	25·2	2·6	24·9	2·0	8
9	25·2	2·7	25·9	3·3	26·0	1·4	25·7	0·7	26·9	2·3	24·1	1·4	26·2	3·3	25·3	2·1	9
10	26·0	3·1	26·3	3·8	27·0	2·7	26 3	1·5	27·3	2·1	25·3	1·6	26·2	3·5	25·2	1·7	10
11	26·6	4·2	27·1	3·2	27·3	3·5	26·5	1·5	27·3	2·1	25·7	1·8	26·4	3·5	25·0	1·7	11
Noon	25·5	2·4	27·3	4·1	27·9	3·3	27·4	2·2	23·9	0·4	26·0	2·3	27·0	3·7	25·1	1·6	Noon
13h	26·2	3·5	27·3	4·4	28·2	3·6	26·9	1·6	25·0	1·1	25·4	1·6	26·8	3·7	25·1	1·6	13h
14	26·6	4·1	27·2	3·8	26·0	1·4	27·9	2·7	25·9	1·6	26·9	3·7	27·0	3·9	24·9	1·5	14
15	26·0	4·1	26·9	3·9	26·8	2·1	28·0	2·8	26·2	2·0	26·3	2·7	26·7	3·6	23·8	1·5	15
16	26·0	4·3	26·5	4·0	25·5	1·2	27·9	2·9	25·7	2·1	25·0	1·6	26·4	3·3	24·1	1·0	16
17	25·4	4·0	25·6	3·2	25·6	1·6	27·1	2·5	25·1	1·8	25·2	1·7	25·8	3·4	24·2	1·3	17
18	23·3	2·4	24·9	2·7	24·6	0.9	25·9	1·8	24·2	1·1	24·0	0·8	24·9	2·4	24·0	1·2	18
19	22·3	1·8	23·6	1·7	24·6	0·9	25·3	1·6	24·1	1·1	23·6	0·8	24·3	1·9	24·1	1·4	19
20	21·6	1·5	23·1	1·6	24·5	0·9	24·9	1·6	23·7	1·4	23·6	1·0	24·0	1·3	24·2	1·5	20
21	21·7	1·4	23·0	1·3	24·5	0·9	24·9	1·6	23·9	1·6	23·7	0·8	23·6	1·3	24·5	1·8	21
22	21.6	1·5	22·8	1·2	24·6	0·9	24·3	1·1	23·8	1·1	23·9	0·9	23·8	1·2	24·2	1·6	22
23	21·3	1·0	22·9	1·5	24·5	0·8	24·0	1·2	23·7	1.0	23·5	0·6	23·8	1·3	24·0	1·6	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	23·8	1·7	23·6	1·6	20·9	1·6	22·1	2·0	21·1	0·8	22·1	0·4	...	...	23·0	1·1	Midnight
1h	23·7	1·8	23·6	1·8	20·7	1·6	22·0	1·9	21·0	0·5	22·0	0·5	...	...	22·9	1·0	1h
2	23·9	2·0	23·4	1·8	20·6	1·4	22·1	1·9	21·0	0·4	21·9	0·6	...	...	22·8	1·0	2
3	23·6	2·0	23·2	1·5	20·5	1·4	22·0	1·8	20·9	0·7	21·6	0·4	...	...	22·6	1·0	3
4	23·7	1·9	23·4	1·9	20·5	1·3	22·0	2·0	21·3	0·8	21·8	0·7	...	...	22·5	0·9	4
5	23·6	1·5	23·1	1·8	20·3	1·0	21·9	2·0	21·6	1·0	21·9	0·8	...	...	22·4	0·9	5
6	23·3	1·6	23·0	1·8	20·2	0·5	21·6	1·9	21·6	0·7	22·7	1·6	...	...	22·4	1·0	6
7	23·1	1·4	23·1	1·8	21·0	1·1	22·3	2·4	21·7	0·8	23·6	1·6	...	...	23·0	0·9	7
8	25·0	2·0	25·2	2·7	22·8	1·8	24·0	2·8	23·8	1·9	25·6	2·2	...	...	24·8	1·6	8
9	24·9	1·7	25·9	3·6	25·2	3·0	25·0	3.1	25·0	1·8	26·0	2·2	...	...	25·9	2·2	9
10	26·1	2·7	26·6	4·0	26·0	3·5	25·6	3·3	25·7	2·4	26·3	2·8	...	...	26·5	2·7	10
11	26·6	3·3	26·8	4·1	25·9	3·0	26·2	4.1	26·0	2·9	26·6	2·9	...	...	26·9	3·0	11
Noon	25·7	2·2	25·6	2·7	26·7	4·4	26·2	4·3	25·8	2·3	26·7	3·2	...	...	27·0	2·9	Noon
13h	27·1	3·5	26·1	3·1	26·8	4·8	26·3	4·5	26·7	3·5	27·0	3·7	...	...	27·1	3·0	13h
14	26·5	2·8	26·6	3·9	26·6	4·5	26·1	4·4	26·6	3·6	27·1	3·9	...	...	27·0	3·0	14
15	26·1	2·8	26·2	4·1	26·1	4·1	26·0	4·5	26·3	3·5	26·9	3·9	...	...	26·8	3·0	15
16	26·1	2·7	25·9	4·3	24·9	3·0	25·3	4·0	26·0	3·3	26·0	3·0	...	...	26·3	2·7	16
17	25·1	2·0	25·0	3·5	24·2	2·8	24·1	2·9	25·1	2·5	25·7	2·7	...	...	25·8	2·5	17
18	24·2	1·6	24·0	3·1	23·1	1·9	23·1	2·0	24·0	1·5	24·9	1·9	...	...	24·9	1·8	18
19	24·1	1·8	23·0	2·8	22·9	2·0	23·0	2·1	23·2	0·9	24·1	1·4	...	...	24·2	1·5	19
20	24·3	2·1	22·8	1·8	22·8	2·0	21·7	1·1	23·1	0·9	24·0	1·5	...	...	23·8	1·3	20
21	24·2	2.0	23·1	2·3	22·2	1·8	21·9	1·6	23·0	1·0	24·0	1·1	...	...	23·6	1·2	21
22	24·1	1·5	22·5	1·8	21·9	1·7	21·6	1·4	22·7	0·7	23·9	1·1	...	...	23·0	1·1	22
23	23·7	1.4	21·8	1.9	21·7	1·6	21·9	1·5	22·6	0·7	23·7	1·2	..	...	23·2	1·0	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 1923.

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	907	895	897	914	891	913	894	913	891	922	900	924	903	915	888	905	Midnight
1h	918	892	895	912	893	910	892	920	891	922	900	929	903	913	891	904	1h
2	907	909	894	915	893	909	894	913	890	924	900	943	903	913	886	906	2
3	903	913	896	910	892	910	891	913	890	924	900	939	900	911	886	906	3
4	893	915	896	910	893	909	895	911	892	919	900	935	900	911	888	905	4
5	894	913	894	915	891	912	894	914	892	920	907	932	900	911	888	905	5
6	896	910	894	915	892	910	894	913	891	922	909	942	900	914	885	906	6
7	904	910	896	910	892	911	897	916	892	918	910	923	896	918	896	906	7
8	906	904	894	913	904	918	895	924	900	938	906	929	898	911	896	906	8
9	912	888	907	900	911	916	900	929	900	961	905	926	912	905	902	909	9
10	930	888	919	892	910	923	911	929	911	956	917	941	908	908	903	906	10
11	919	887	922	895	914	914	915	924	900	956	916	939	912	912	908	918	11
Noon	908	881	915	885	910	915	923	935	912	957	921	932	915	876	906	915	Noon
13h	925	875	919	881	911	917	924	936	900	953	920	930	920	880	904	910	13h
14	897	883	921	879	915	910	918	944	900	963	918	927	912	882	883	875	14
15	915	897	920	887	923	923	900	930	900	955	915	938	900	332	883	875	15
16	913	913	915	885	915	915	907	932	912	959	914	935	900	884	880	870	16
17	911	905	914	886	907	916	900	921	909	945	909	943	903	893	885	915	17
18	913	897	909	896	904	910	896	918	886	934	905	923	905	895	895	905	18
19	906	899	895	925	902	911	896	909	900	932	900	915	894	900	894	906	19
20	906	903	893	916	897	916	897	908	894	927	900	911	893	900	892	908	20
21	908	908	895	911	898	911	892	918	894	927	900	918	886	900	890	907	21
22	902	912	897	907	895	912	895	912	889	926	900	918	894	900	888	909	22
23	898	912	896	910	895	912	890	925	891	922	900	913	884	907	890	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	907	891	887	913	890	915	897	916	895	912	903	914	895	912	Midnight
1h	911	905	909	888	889	911	894	913	900	919	890	924	900	936	894	914	1h
2	897	908	908	890	889	911	893	916	907	916	893	916	894	931	893	915	2
3	894	913	908	889	888	912	892	919	900	928	892	920	895	924	892	918	3
4	893	916	900	918	889	911	891	922	885	938	893	916	894	929	900	914	4
5	894	914	895	912	892	908	891	921	896	920	893	916	900	929	897	916	5
6	891	922	890	914	889	911	892	919	896	921	896	918	900	926	900	918	6
7	893	915	892	911	892	908	893	917	900	921	894	927	900	913	893	917	7
8	896	909	896	910	888	912	893	916	892	918	900	939	900	921	895	925	8
9	905	912	900	924	892	918	882	944	897	914	911	954	900	922	913	934	9
10	915	910	903	914	906	913	895	922	900	922	910	950	906	928	913	934	10
11	913	913	905	912	909	893	890	914	891	944	909	945	911	926	913	933	11
Noon	922	905	916	893	913	887	880	908	892	937	913	962	905	923	913	932	Noon
13h	926	900	888	930	913	887	885	923	900	944	913	962	906	930	900	935	13h
14	914	878	887	932	920	908	889	926	900	944	900	954	914	934	900	944	14
15	922	878	913	913	900	914	891	946	911	929	920	949	908	938	900	944	15
16	915	885	893	903	929	911	888	958	900	925	900	954	909	943	900	935	16
17	908	890	894	899	906	903	892	937	894	930	900	943	915	937	894	928	17
18	906	892	894	899	906	903	885	938	893	916	892	937	900	924	894	914	18
19	903	895	892	898	910	904	892	911	889	928	893	936	896	921	895	911	19
20	907	891	892	908	900	904	894	908	891	922	891	922	895	925	897	907	20
21	907	890	892	908	910	904	890	915	891	921	887	932	900	933	894	915	21
22	907	890	892	908	910	904	896	919	892	920	895	925	900	938	894	913	22
23	905	893	889	911	915	907	900	929	892	918	900	933	903	913	897	907	23

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

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

APRIL 1923.

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	900	908	895	911	894	915	896	921	891	913	894	914	894	931	883	942	Midnight
1h	894	914	895	911	897	908	893	916	894	908	892	918	892	941	908	939	1h
2	894	913	893	917	893	916	904	921	897	905	894	914	900	945	920	949	2
3	897	906	911	926	896	910	908	918	894	908	891	921	900	934	923	955	3
4	894	913	897	916	894	914	902	911	893	909	894	914	900	938	900	952	4
5	895	922	893	915	894	913	898	910	892	910	889	929	894	931	900	959	5
6	896	919	893	935	897	907	894	904	891	913	895	926	900	940	909	946	6
7	897	916	895	923	896	909	893	903	896	910	894	929	900	945	911	956	7
8	897	915	900	933	893	915	900	925	900	921	887	934	900	955	911	953	8
9	914	935	900	944	894	928	905	924	900	934	900	934	900	960	911	956	9
10	914	934	900	939	900	932	907	934	912	931	908	941	900	969	923	955	10
11	900	939	900	947	906	928	900	942	913	932	918	943	900	968	922	953	11
Noon	900	944	900	945	904	920	908	938	888	931	918	945	900	957	924	936	Noon
13h	900	944	900	946	900	931	907	935	890	924	900	942	900	971	916	939	13h
14	909	944	900	949	914	934	913	934	894	931	912	957	900	962	916	939	14
15	900	945	920	948	906	929	892	940	892	941	900	955	900	960	911	926	15
16	907	936	900	942	905	924	892	938	910	948	900	933	900	961	914	936	16
17	900	937	894	928	900	930	900	937	910	947	900	942	900	966	907	935	17
18	892	918	891	921	900	921	891	921	900	935	900	932	900	937	900	941	18
19	894	915	893	917	892	920	892	919	893	935	900	935	894	930	900	954	19
20	895	912	891	921	895	924	890	923	892	938	890	924	892	939	900	945	20
21	894	915	891	921	891	921	889	916	890	924	894	929	891	943	900	949	21
22	891	921	894	915	895	922	893	909	893	916	895	923	890	947	900	931	22
23	893	917	892	918	895	922	892	911	891	921	893	936	900	948	909	942	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	900	938	900	933	893	916	891	922	893	915	900	924	...	...	896	916	Midnight
1h	900	934	900	932	893	915	892	918	893	915	900	912	...	...	897	916	1h
2	900	933	891	946	894	914	889	928	893	917	900	913	...	...	897	919	2
3	900	929	886	934	896	910	889	926	894	915	900	912	...	...	897	918	3
4	900	935	889	926	893	915	889	929	900	919	896	909	...	...	895	919	4
5	900	928	900	928	894	914	905	926	893	932	896	909	...	...	895	920	5
6	900	931	893	933	894	915	895	924	895	925	900	911	...	...	896	920	6
7	900	927	900	937	894	914	888	930	894	915	900	912	...	...	897	919	7
8	893	933	900	949	889	928	891	942	890	925	900	919	...	...	897	925	8
9	900	946	900	959	900	948	892	940	900	942	911	928	...	...	902	931	9
10	921	950	913	962	900	944	900	943	913	933	918	927	...	...	910	931	10
11	921	952	914	970	891	943	909	943	908	941	914	935	...	...	909	932	11
Noon	925	960	900	974	900	949	900	953	900	941	923	935	...	...	908	929	Noon
13h	910	949	900	967	909	944	900	947	914	936	914	934	...	...	907	930	13h
14	910	950	900	963	900	946	900	945	917	942	923	934	...	...	906	930	14
15	920	949	913	962	900	945	900	945	915	938	914	935	...	...	907	931	15
16	918	943	900	958	890	950	900	941	914	936	913	934	...	...	905	930	16
17	909	944	900	944	885	938	900	930	911	927	912	931	...	...	902	928	17
18	900	936	892	941	891	944	893	915	905	925	904	921	...	...	898	920	18
19	900	930	891	922	889	929	894	914	900	918	900	926	...	...	896	919	19
20	900	937	890	925	900	926	892	918	900	922	900	933	...	...	896	919	20
21	900	935	891	922	895	912	892	920	900	921	900	929	...	...	895	919	21
22	900	932	894	914	887	932	892	919	900	913	900	931	...	...	896	918	22
23	900	928	893	917	892	920	892	920	900	918	904	918	...	...	896	919	23

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

APRIL 1923.

Hour.	1d. *		2d. *		3d.		4d.		5d.		6d.		7d. *		8d. *		9d. *		10d. *		11d. *		12d.		13d.		14d.		15d.		16d.	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	19	0·9	7	1·4	5	1·6	6	1·4	6	2·4	8	2·4	9	1·5	2	1·3	6	1·1	21	1·1	4	1·8	5	1·8	7	1·6	6	1·3	9	1·4	6	1·3
1h	18	2·0	6	1·3	5	1·2	6	2·2	6	2·4	8	2·9	9	1·3	2	1·0	14	1·2	21	1·5	4	1·5	6	1·4	8	1·9	6	2·6	8	3·6	6	1·5
2	r11	1·1	6	1·6	5	1·1	6	1·4	6	2·6	8	4·3	9	1·3	2	1·5	6	0·9	21	1·3	4	1·6	6	1·8	10	1·8	6	1·8	7	3·2	6	1·7
3	9	1·3	6	1·1	5	1·3	5	1·6	6	2·6	8	3·9	8	1·1	2	1·5	6	1·4	21	1·4	4	1·7	6	2·1	8	2·8	6	2·2	7	3·5	6	2·0
4	6	1·7	6	1·1	5	1·1	6	1·2	6	2·1	8	3·5	8	1·1	2	1·3	6	1·8	8	1·8	4	1·5	6	2·4	6	4·1	6	1·8	7	3·0	8	1·4
5	6	1·4	6	1·6	5	1·5	6	1·5	6	2·2	9	3·3	8	1·1	2	1·3	6	1·5	6	1·3	4	1·2	6	2·3	7	2·0	6	1·8	8	2·9	7	1·6
6	6	1·1	6	1·6	5	1·3	6	1·4	6	2·4	9	4·3	8	1·4	2	1·6	6	2·4	5	1·7	4	1·6	6	2·1	7	2·2	7	1·8	8	2·6	8	1·8
7	10	1·1	6	1·1	5	1·4	7	1·6	6	2·0	10	2·5	7	1·8	5	0·7	6	1·7	5	1·4	4	1·1	6	1·9	8	2·1	7	2·8	8	1·3	6	1·9
8	13	0·7	6	1·4	9	1·8	7	2·5	8	3·8	9	3·0	7	1·1	5	0·7	6	1·0	6	1·1	4	1·7	6	1·8	6	2·0	8	3·9	8	2·1	7	2·6
9	d20	1·7	d16	0·7	11	1·9	8	2·9	8	6·1	9	2·7	14	1·3	9	0·9	10	1·3	8	2·4	6	2·0	6	4·8	7	1·4	9	5·5	8	2·2	10	3·6
10	18	3·2	18	2·1	10	2·5	10	3·1	9	5·7	10	4·4	12	1·1	10	0·7	13	1·8	9	1·4	10	1·4	7	2·3	8	2·2	9	5·1	9	2·9	10	3·6
11	19	2·3	17	2·3	12	2·0	11	2·8	8	5·6	10	4·2	12	1·7	10	2·0	12	1·8	10	1·3	d19	1·1	5	1·7	7	4·5	9	4·6	10	2·8	10	3·5
Noon	22	3·1	20	2·1	11	1·8	11	4·2	9	5·8	11	3·8	d21	2·8	10	1·6	15	2·3	d18	1·8	20	1·9	2	2·2	7	3·8	9	6·3	9	2·4	10	3·4
13h	20	3·5	20	2·7	11	2·0	11	4·4	8	5·3	11	3·6	20	2·9	10	1·1	16	2·6	r 6	3·2	20	1·9	5	2·7	8	4·4	9	6·3	9	3·1	8	3·5
14	25	1·7	20	3·0	13	1·8	10	4·8	8	6·3	11	3·3	21	2·1	r27	3·0	21	2·6	6	3·4	14	2·2	6	2·8	8	4·4	8	5·4	10	3·7	8	4·4
15	r17	1·5	19	2·4	12	3·3	8	3·0	8	5·5	10	4·1	24	1·8	27	3·0	20	3·1	d12	1·8	8	1·4	7	4·7	10	3·1	10	5·3	9	3·9	8	4·4
16	12	1·8	20	2·2	12	2·2	9	3·3	9	6·0	10	3·8	24	1·6	27	3·6	20	2·1	r 2	0·8	14	3·1	7	5·9	8	2·5	8	5·4	9	4·4	8	3·5
17	14	1·2	20	2·0	10	1·8	8	2·1	9	4·6	9	4·4	22	0·8	d 4	2·1	21	1·3	31	0·6	14	0·7	7	3·8	7	3·1	8	4·3	10	4·0	7	2·9
18	17	1·3	18	1·0	10	1·1	7	1·8	6	3·7	9	2·4	21	0·9	4	0·7	21	1·0	31	0·6	14	0·7	6	4·1	6	1·8	7	3·8	8	2·4	6	1·5
19	17	0·6	r 7	2·6	9	1·1	6	1·0	8	3·2	8	1·5	d 0	0·6	4	0·9	21	0·6	31	0·8	14	1·1	5	1·4	6	3·0	7	3·7	7	2·2	6	1·2
20	14	0·7	6	1·8	7	1·6	6	0·9	7	2·8	8	1·1	0	0·7	4	1·1	21	1·1	4	1·1	14	1·1	5	1·0	6	2·4	6	2·4	7	2·6	6	0·8
21	12	1·2	6	1·2	7	1·1	6	2·0	7	2·8	8	1·8	0	1·4	3	1·2	21	1·2	4	1·1	14	1·1	5	1·8	6	2·3	6	3·4	8	3·3	6	1·6
22	9	1·2	6	0·8	6	1·3	6	1·3	6	2·8	8	1·8	0	0·6	3	1·5	21	1·2	4	1·2	14	1·1	7	1·9	6	2·2	7	2·6	8	3·8	6	1·4
23	7	1·2	6	1·1	6	1·3	6	2·7	6	2·4	8	1·3	2	1·8	3	1·2	21	0·9	4	1·5	14	1·7	8	2·9	6	2·0	8	3·3	9	1·3	6	0·8

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

d = direct r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for APRIL 1923.

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	15·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	...	...	...	...	...	...	...	...	...	...	...
2	5·0	...	...	...	...	...	...	...	...	...	...	...	6·8	...	...	...	0·7	...	...	...	...	...	0·3	1·7	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	17·0	...	...	...	...	...	...	...	...	...	1·8	3·8	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	18·0	...	0·1	...	...	...	...	5·8	0·2	0·3	0·4	6·5	...	...	...	...	0·2	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	16·5	...	...	0·1	...	...	...	0·6	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	0·1	...	...	...	1·4	...	1·4	0·4	0·2	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...
10	...	18	...	...	...	...	...	...	...	...	...	7·8	...	...	...	...	...	...	...	1·9	0.2	2·8	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	02	...	...	...	...	...	...	...	...	...	...	2·3	...	...	...	...	...	...	...	0·1	24·4	0·2	...	0·1	...	...	...	...	...	...	...
14	08	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·1	0·1	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	0·2	...	0·2	...	...	...	...	1·0	...	...	...	...	0·3	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	8·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	0·1	...	...	0·2	...	...	...	...	...	...	...	...	...
19	02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	0·1	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	1·8	...	...	...	0·2	...	...	...	0·1	...	...	...	...	...	...	...	0·1	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	0·7	...	...	...	...	...	...	...	0·4	...
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 APRIL 1923.

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	64·1	162·8	...	18
	6	Mon Loisir S. E. ...	300	71·4	181·4	160·3	16
	7	Forbach*	300	4·43	112·5	...	14
	8	Labourdonnais ...	290	3·25	82.5	146·3	10
	9	Beau Séjour	300	8·25	209·5	187.7	22
	10	Mont Piton	860	10·03	254·8	188·2	19
	11	Mon Choix	700	9·13	231·9	170·7	15
	12	Antoinette	640	7·95	201·9	183·1	20
	13	California§	850	...	...	...	..
	14	Nouvelle Découverte ...	1,400	15·71	399.0	201·4	24
	15	Mon Songe	620	7·05	179·1	194·1	15
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount	325	13·54	343·9	156·5	17
	18	Botanic Gardens ...	325	9·88	250·9	142·5	21
	19	The Observatory ...	179	6·53	165·9	116·3	19
	20	Solitude	175	7·13	181·1	78·5	12
	21	St. André§	90	...	...	...	...
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trébuchet)§	165	...	...	...	...
	28	Mon Rocher*	...	9·31	236·5	...	14
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station* ...	187	2·88	73·0	...	2
	48	Mapou Station* ...	296	4·63	117·5	...	8
	49	Poudre d'Or Station* ...	172	3·51	90·0	...	10
	50	Rivière du Rempart* ...	134	4·77	121·0	...	4
2&3	1	Union Régnard ...	600	14·93	379·2	192·5	23
	2	Constance d'Arifat L.G...	100	8.10	2057	166·9	15
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	600	12.80	325·1	214·9	23
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	13·82	351·0	...	20
	7	Belle Mare§	...	4·79	121·7	...	14
	8	Bel Etang (Lesur)§ ...	...	13·05	331.5	...	17
	9	Belle Vue (Allendy)* ...	...	14·44	366·8	...	13
	10	St. Julien E(K. Reetoo)*	...	15·84	402·2	...	15
4	1	Sans Souci	900	21·42	544·1	352·3	25
	2	Etoile	400	19·64	498·8	282·2	21
	3	Beau Champ	20	10·45	265·4	139·4	15
	4	Belle Rive*	400	17·83	452·9	...	21
	5	Olivia	400	18·13	460·5	176·3	20
	6	Deep River*	350	14·11	358·4	...	23
	7	Belle Rose Estate* ...	...	12·70	322·6	...	22
	8	Melrose§	...	16·31	414·3	...	17
	9	Bonne Veine*	...	15·48	393·2	...	30
5	1	Rose Belle*	850	19.28	489·7	...	24
	2	Riche-en-Eau	460	11·84	300·7	240·0	13
	3	Ferney	20	10·53	267 4	242·3	22
	4	Beau Vallon	60	8·39	213·0	247·6	13
	5	Union Vale	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)§ ...	75	9·15	232·4	...	18
	7	Cluny§	1,000	...	...	...	...
	8	Union Park*	...	19·25	488·9	...	23
	9	Sauveterre Estate§ ...	...	9·37	238·0	...	16
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	24·07	611·4	342·6	23
	2	Tivoli	1,300	30·41	772·4	...	24
	3	La Flora*	1,050	29·28	743·7	...	25
	4	Britannia	730	16·57	420·9	288·8	23
	5	Savannah (Mill) ...	200	12·68	322·1	216·7	15
	6	St. Aubin§	300	10·89	278·5	199·1	20
	7	Union B.A.St.Félix S.E.§	90	12·66	321·6	209·8	15
	8	Beau Bois§	350	18·25	463·5	219·2	20
	9	St. Avold*	900	16·31	414·3	...	25
	10	Terracine§	100	...	...	...	...
	12	Bel Air§	...	9·19	233·4	...	16
	13	Chamouny§	...	31·79	807·4	...	17
	14	Union S. E.	...	11·57	294·0	...	16
	15	Fontenelle	...	12·80	325·0	...	15
	16	Combo§	...	20·37	517·4	...	20
	17	St. Felix (Wilson)§ ...	...	10 58	268·7	...	16
	18	Choisy Estate§	...	6·26	159·0	...	15
7, 8 & 9	1	Bel Ombre	40	81.6	207·3	191·0	14
	3	Beau Champ*	...	9.20	233·7	...	14
	4	Board*	...	10.53	267.5	...	13
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10	...	No returns.	...	...	...	...	...
11	1	Les Gorges§	...	...	..	...	...
	2	Curepipe Gardens ...	1,840	15·62	396·7	274·8	20
	3	Mare aux Vacoas ...	1,850	17·44	443·0	337·3	22
	4	La Marie Filter Bed ...	1,700	10·23	259·8	177·0	21
	5	Réunion	1,420	10·02	254·5	186·9	16
12	1	The Manse	850	6 88	174·7	84.1	22
	2	The Bower§	1,080	...	..	...	...
	3	Le Réduit (D. of A.) ...	1,000	6·82	173·3	106·9	27
	4	Alma	1,460	11·71	428.2	297·4	25
	5	Bagatelle	1,250	10·09	256·3	166·4	20
	6	Highlands§	1,300	11·48	291·6	...	20
	7	Trianon	950	5·07	128 8	134·9	13
	8	Salency§	923	...	...	...	.
	9	La Ferme§	350	6·82	173·2	...	12
	10	Bon Air §	1,050	...	..	...	...
	11	Val Ory	1,100	8·04	204·2	125·5	24
	12	Ebène§	...	8·59	218·2	...	14
	13	Mon Rêve§	...	9·95	252·7	...	16
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	7·89	200 4	...	14
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock ...	18	4·28	108·7	63·8	6

* Normals not available. § Record not Received.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

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

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

MAY 1923

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of MAY 1923.

Month and Day. 1923.	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)	List of Earthquakes: Date.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	E.-W. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	Remarks.
MAY	° ′			′													
1	10 48·6	·22990	·30028	4·5	7	18	...	...	...	...	...	...	...	...	...	...	Repairs to basement; Instrument dismounted.
2	48·3	991	·30031	3·6	14	16											
3	48·4	989	032	3·6	12	16											
4	48·2	983	036	2·2	18	8											
5	48·4	976	042	2·5	10	15											
6	48·5	976	040	4·2	9	15											
7	48·8	980	038	3·8	8	25											
8	48·1	980	039	4·5	12	14											
9	48·3	979	040	2·7	10	15											
10	47·7	979	039	3·5	5	18											
11	48·2	982	037	3·8	9	23											
12	48·2	982	037	3·2	7	22											
13	47·9	985	039	3·1	7	19											
14	48·6	986	040	1·3	15	12											
15	48·8	985	038	2·2	7	24											
16	48·6	990	041	2·7	5	13											
17	48·4	995	037	2·4	36	17											
18	47·6	985	039	2·8	22	16											
19	47·8	985	036	2·0	8	18											
20	47·9	987	032	3·5	6	11											
21	48·1	986	029	3·4	15	16											
22	47·7	986	029	3·8	12	16											
23	47·9	986	030	3·1	10	21											
24	48·0	985	030	1·7	10	14											
25	48·0	990	025	2·8	14	15											
26	48·4	985	024	3·1	9	14											
27	48·2	987	021	3·4	10	23											
28	48·1	986	021	2·7	8	15											
29	48·1	983	021	2·4	24	16											
30	47·7	976	021	2·5	21	16											
31	48·3	977	021	1·8	8	7											
Mean	10 48·19	·22984	·30033	2.99	11.9	16·4	...	...	...	...	...	...	...	...	...	...	...

T=0·37819 : Mean Dip.=θ=52°.34′·42 (X=·22577 : Y=−·04308 : Z=·30033).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of MAY 1923.

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	° ′	
MAY. 3·11·11	10·49·66	MAY. 14·9·57	·22986	MAY. 3·11·23	52.33·99	·30041	MAY ...	...	...
14.12·58	10·46·93	.12·15	·23015	16·10·21	52·34·66	·30042	16·13·55	52·34·22	·30035
16·10·36	10·50·90	23· 9·21	·22980	...	...	...	28·13· 0	52·32·62	·30010
.13·44	10·46·30	·13· 2	·22987	...	...	...	30·13·56	52·33·20	·30015
30· 9·13	10·46·96	30· 9·47	·22976						
·13·42	10·47·83	·12· 0	·22993						

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

MAY 1923.

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

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	10° +																
Midnight	48·3	48·3	48·0	47·8	48·2	47·9	47·8	48·1	48·3	48·8	48·3	48·5	48·6	48·3	48·7	48·3	Midnight
1h	48·2	48·3	47·8	48·0	48·1	48·0	47·8	48·3	48·3	48.7	48·7	48·3	48·7	48·2	48·7	48·3	1h
2	48·2	48·0	47·8	47·9	47·8	47·9	47·8	48·1	48·2	48·5	48·5	48·3	48·6	48·3	48·5	48·2	2
3	48·3	47·3	47·9	47·9	47·3	47·8	47·5	48·1	48·2	48·3	48·5	48·1	48·6	47.3	48·5	48·1	3
4	48·3	47·2	47·9	47·3	46·7	47·2	47·0	48·1	48·1	48·2	48·3	48·1	48·5	48·1	48·3	48·1	4
5	48·3	47·8	47·7	47·8	47·5	47·8	47·0	47·9	48·0	48·2	48·0	48·2	48·3	48·1	48·2	48·1	5
6	48·1	46·2	47·0	47·3	47·8	47·9	47·5	47·8	47·8	48·0	48·0	48·1	48·2	47·8	48·1	48·0	6
7	47·8	45·7	46·8	46·8	47·3	47·7	47·0	47·0	46·5	47·8	47·9	47·8	47·5	46·5	47·5	47·7	7
8	48·0	46·3	48·3	47·5	48·0	47·8	47·7	47·5	47·1	48·2	48·3	47·9	47·7	46·2	47·8	48·3	8
9	49·9	47·0	48·3	49·3	49·3	48·5	48·0	48·0	48·3	49·3	49·0	48·7	47·9	46·7	48·0	49·2	9
10	49·7	47·7	48·3	50·2	50·1	49·3	49·3	48·3	49·0	49·8	49·9	49·3	49·1	46·8	48·5	49·5	10
11	48·5	48·4	47·5	49·5	49·3	49·5	49·8	48·5	49·3	49·9	49·9	49·4	49·0	47·5	48·7	49·1	11
Noon	47·8	48·0	46·7	48·0	48·7	49·0	49·0	48·7	48·7	49·3	49·5	48·7	48·3	47·8	48·3	48·2	Noon
13h	47·5	47·7	46·7	46·8	48·5	48·4	47·8	47·8	48·1	49·3	47·8	48·7	47·5	46·7	47·9	47·7	13h
14	47·7	47·8	46·7	46·7	48·0	46·7	46·7	48·0	47·8	48·1	46·7	47·3	46·7	46·3	47·7	47·3	14
15	47·7	47·3	47·1	46·8	47·8	45·8	46·7	47·2	46·7	47·0	46·7	46·7	47·0	47·5	47·5	47·1	15
16	47·5	47·0	47·8	47·1	47·7	45·7	47·0	47·3	46·7	46·8	46·5	46·7	47·2	47·8	47·8	47·3	16
17	48·1	48·0	48·2	47·5	47·9	46·1	47·9	47·8	47·5	47·3	47·5	47·8	48·1	48·7	48·2	48·0	17
18	48·5	48·5	48·3	48·1	48·3	46·7	48·2	48·1	48·2	48·1	48·3	48·1	48·1	48·7	48·7	48·3	18
19	48·3	48·4	48·7	48·5	48·2	47·8	48·5	48·2	48·3	48·2	48·4	48·0	48·1	48·7	49·0	48·4	19
20	49·0	48·3	48·7	48·3	48·2	48·0	48·3	48·1	48·4	48·3	48·1	47·9	48·3	48·3	49·3	48·4	20
21	48·7	48·3	48·3	48·3	48·3	48·0	48·2	48·3	48·5	48·2	48·1	47·8	48·3	48·5	48·7	48·4	21
22	49·5	48·0	48·2	48·2	48·1	47·9	48·0	48·3	48·5	48·2	48·1	47·9	48·5	48·3	48·2	48·3	22
23	48·7	47·9	48·1	47·9	47·8	47·8	48·1	48·2	48·3	48·2	48·1	47·9	48·2	48·5	48·1	48·2	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*).

MAY 1923.

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	088	092	086	084	077	074	078	077	080	078	080	081	082	083	083	088	Midnight
1h	087	091	086	085	078	075	079	076	080	078	080	080	083	083	084	088	1h
2	087	093	087	084	079	074	080	078	081	078	080	080	083	084	084	089	2
3	087	093	088	092	076	075	081	079	082	078	080	081	083	085	085	089	3
4	088	094	088	089	076	077	082	078	080	079	081	081	085	086	086	090	4
5	089	097	088	089	077	078	082	080	080	079	082	081	084	083	085	089	5
6	089	097	088	088	078	079	083	080	080	081	085	082	085	089	084	089	6
7	088	094	089	089	079	080	083	082	082	080	084	083	088	089	086	090	7
8	088	093	092	089	081	081	082	082	083	081	084	084	089	090	086	089	8
9	089	094	093	088	081	079	082	085	079	080	088	086	088	091	086	089	9
10	091	093	093	087	080	076	081	087	078	077	084	083	087	094	082	088	10
11	092	093	094	086	078	075	081	082	081	080	087	081	087	095	089	088	11
Noon	094	095	093	088	078	074	079	079	083	082	084	081	083	095	089	089	Noon
13h	093	092	093	082	076	073	078	078	079	081	083	086	085	095	088	089	13h
14	089	088	093	078	075	073	078	078	074	082	081	085	086	087	088	088	14
15	090	088	091	075	073	072	076	076	073	082	079	083	083	083	087	089	15
16	090	089	092	075	071	072	076	075	075	078	081	081	080	082	084	090	16
17	091	088	091	074	072	076	079	077	078	077	081	079	086	086	083	091	17
18	092	088	090	077	074	078	082	080	078	077	082	080	083	083	083	092	18
19	091	087	086	078	074	079	081	082	079	078	082	082	084	080	084	092	19
20	089	087	085	077	074	079	082	083	078	077	082	083	085	081	087	093	20
21	088	085	087	079	074	079	080	082	077	078	083	084	085	082	084	093	21
22	089	084	082	079	073	078	078	081	078	078	082	084	084	082	085	092	22
23	090	083	081	078	072	078	075	081	078	077	081	083	083	081	086	092	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	093	082	082	080	082	082	085	082	085	087	085	084	086	069	074	082·2	Midnight
1h	093	085	083	082	082	081	087	081	086	087	086	084	086	071	074	082·6	1h
2	095	087	084	082	082	082	085	082	086	087	086	086	085	074	074	083·2	2
3	096	092	087	083	086	083	086	083	086	089	085	087	083	077	074	084·2	3
4	097	092	085	089	091	084	087	084	085	087	085	088	083	078	074	084·8	4
5	098	089	084	089	091	084	089	084	087	085	086	088	085	078	076	085·0	5
6	099	089	085	088	089	084	088	086	088	086	086	087	085	077	074	085·4	6
7	105	097	087	088	089	087	089	087	091	087	086	088	086	081	076	086·8	7
8	107	094	087	089	091	089	090	088	093	089	088	089	087	081	077	087·5	8
9	106	090	088	090	093	092	091	089	095	090	088	089	088	081	077	087·9	9
10	107	087	086	091	092	093	091	089	098	088	089	089	091	082	077	087·5	10
11	105	084	086	093	092	091	091	091	099	086	091	089	093	084	075	087·7	11
Noon	105	083	087	095	091	090	088	091	097	084	092	088	093	084	082	087·6	Noon
13h	103	078	089	094	087	088	088	085	094	083	093	084	092	084	081	086·3	13h
14	100	075	089	093	087	087	087	083	092	083	092	089	087	084	081	084·9	14
15	100	084	086	091	088	086	087	081	088	081	090	086	084	081	080	083·6	15
16	098	083	084	088	086	084	083	082	088	081	088	084	082	077	079	082·5	16
17	096	079	082	086	085	085	081	084	091	083	089	084	080	071	078	082·7	17
18	095	080	082	085	085	087	081	084	090	083	089	084	076	067	077	082·7	18
19	083	080	084	082	082	088	082	085	091	084	088	084	070	063	077	082·0	19
20	078	080	085	080	079	086	083	087	090	084	087	084	072	064	076	081·8	20
21	074	081	084	079	078	085	082	086	090	084	084	084	072	072	077	081·7	21
22	071	085	083	082	080	084	082	086	089	082	083	083	069	068	077	081·1	22
23	076	086	081	082	082	083	081	084	089	084	083	081	072	066	078	080·9	23

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

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

MAY 1923.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	030	031	036	038	042	043	042	041	041	041	040	040	040	040	041	041	Midnight
1h	029	031	034	037	041	041	041	041	041	041	040	040	040	040	041	040	1h
2	029	030	033	035	040	041	041	041	041	041	040	040	040	040	041	040	2
3	029	030	032	033	040	041	041	041	040	041	040	040	040	040	041	040	3
4	028	030	032	036	040	041	041	041	040	041	040	040	040	040	041	041	4
5	029	030	032	036	040	041	041	040	040	041	040	040	040	040	041	041	5
6	029	031	032	036	040	041	041	040	040	041	040	040	040	040	041	041	6
7	030	031	032	034	040	041	042	040	041	041	041	040	040	040	042	041	7
8	033	035	035	038	045	043	045	042	043	044	044	041	042	043	047	046	8
9	035	037	037	039	051	046	047	043	046	045	046	043	043	045	047	049	9
10	031	034	036	038	051	043	043	042	044	037	042	037	038	042	041	047	10
11	022	033	028	033	051	039	036	038	041	030	040	027	026	034	036	041	11
Noon	019	026	021	032	046	035	031	030	032	027	032	021	024	033	025	038	Noon
13h	031	021	022	032	041	032	028	029	031	036	026	021	028	037	023	036	13h
14	019	023	025	032	040	031	022	031	033	031	023	023	031	038	024	036	14
15	017	021	026	031	037	031	025	034	036	033	024	029	037	038	027	036	15
16	022	022	027	031	036	032	030	039	039	038	028	034	041	040	031	039	16
17	027	030	031	035	039	039	035	042	041	041	033	039	042	042	037	043	17
18	030	032	033	038	041	041	039	042	042	042	038	041	043	044	041	044	18
19	031	034	033	039	042	041	039	042	041	041	051	041	043	044	042	043	19
20	031	036	035	038	042	041	039	042	041	041	041	041	043	043	043	043	20
21	031	036	037	039	043	041	041	042	041	041	041	041	041	043	043	042	21
22	031	037	037	039	043	042	041	042	041	040	040	041	041	043	042	042	22
23	031	036	037	039	043	042	041	041	041	040	040	041	041	042	042	042	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	040	041	041	037	033	028	033	030	030	024	023	021	021	022	025	034·7	Midnight
1h	040	040	041	036	033	028	033	030	029	024	023	021	021	021	021	034·2	1h
2	038	038	039	035	032	028	033	030	029	024	023	021	021	021	021	033·7	2
3	037	037	039	034	031	027	032	030	029	025	023	021	021	021	020	033·4	3
4	037	036	039	035	031	027	032	030	029	025	023	021	021	021	020	033·5	4
5	038	037	039	033	031	027	031	030	029	026	024	022	021	021	020	033·6	5
6	039	038	039	033	031	026	032	030	029	026	025	023	022	021	021	033·7	6
7	039	035	036	032	031	024	031	029	027	025	024	022	021	020	019	033·3	7
8	041	039	040	034	033	027	032	031	028	027	027	024	023	021	021	035·9	8
9	045	042	041	037	036	029	034	035	029	029	029	026	025	022	023	038·1	9
10	042	047	041	033	033	031	034	035	028	029	027	026	027	023	023	036·3	10
11	040	043	037	030	029	031	034	033	022	029	025	024	021	022	021	032·1	11
Noon	037	039	030	026	026	026	030	025	019	023	020	020	018	019	018	027·4	Noon
13h	031	039	025	026	023	025	020	024	018	021	010	015	012	017	019	025·8	13h
14	030	035	023	026	021	023	013	021	015	016	006	011	011	013	019	024·0	14
15	029	031	025	026	021	019	018	027	016	015	009	011	011	011	020	024·9	15
16	028	032	029	027	020	023	023	029	020	018	013	016	014	016	021	027·7	16
17	030	039	033	029	024	030	030	033	023	023	019	023	020	021	024	032·2	17
18	035	041	036	032	028	033	032	023	026	027	022	024	022	023	025	034·2	18
19	039	041	037	033	029	034	032	033	026	027	023	024	025	026	024	035·2	19
20	039	042	038	034	030	034	032	032	026	028	024	024	026	027	023	035·4	20
21	042	042	039	034	030	034	032	031	025	027	023	023	025	026	023	035·5	21
22	041	042	040	035	029	035	031	030	024	026	023	023	025	025	022	035·3	22
23	041	042	040	035	029	035	031	030	024	025	023	022	022	026	022	035·0	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MAY 1923.

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.	Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
MAY	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1008·4	− 0·2	26·7	23·3	3·4	24·6	+ 1·3	1·6	21·9	+ 2·7	85	+ 6	26·0	19·0	1·1	15	3·6	8·7
2	1007·6	− 1·1	24·7	21·3	3·4	22·9	− 0·3	0·6	21·8	+ 2·6	94	+ 15	25·9	18·9	18·0	280	2·0	7·4
3	1005·4	− 3·4	28·1	20·3	7·8	24·0	+ 0·9	1·7	21·1	+ 2·0	84	+ 6	24·8	18·2	0·0	...	4·1	5·8
4	1004·7	− 4·2	27·9	21·0	6·9	23·6	+ 0·6	2.1	20·0	+ 1·0	81	+ 3	23·2	19·8	0·0	...	6·0	5·3
5	1006·8	− 2·2	26·9	20·9	6·0	23·3	+ 0·3	1·9	20·0	+ 1·1	82	+ 4	23·2	19·1	0·0	...	4·0	7·4
6	1009·1	0·0	26·5	22·1	4·4	24·1	+ 1·2	2·0	20·7	+ 1·9	82	+ 4	24·2	20·9	0·0	...	5·0	5·6
7	1008·2	− 0·9	28·0	22·8	5·2	24·7	+ 1·9	1·7	21·8	+ 3·0	84	+ 6	25·9	20·0	0·0	...	4·2	4·2
8	1005·6	− 3·6	27·7	21·0	6·7	24·2	+ 1·4	1·8	21·1	+ 2·4	85	+ 7	24·8	18·6	1·8	20	3·8	4·4
9	1004·0	− 5·3	24·9	20·2	4·7	22·2	− 0·5	1·4	19·7	+ 1·1	86	+ 8	22·7	16·6	9·3	100	0·8	6·0
10	1004·1	− 5·3	27·4	19·9	7·5	22·8	+ 0·2	2·3	18·8	+ 0·2	78	+ 0	21·5	16·1	0·0	...	3·0	5·3
11	1006·1	− 3·4	25·6	20·8	4·8	22·5	− 0·1	1·9	19·2	+ 0·7	82	+ 4	22·0	18·6	0·4	15	2·4	8·0
12	1006·0	− 3·5	25·6	20·3	5·3	21·8	− 0·6	1·4	19·3	+ 0·9	86	+ 8	22·2	16·7	0·0	...	2·0	5·5
13	1006·3	− 3·3	26·0	20·1	5·9	22·0	− 0·4	1·7	19·0	+ 0·6	83	+ 5	21·8	18·0	8·8	90	4·8	6·4
14	1007·3	− 2·4	24·4	20·3	4·1	22·1	− 0·2	2·3	18·1	− 0·2	78	0	20·6	17·1	5·3	95	4·8	7·2
15	1009·0	− 0·8	24·0	20·9	3·1	22·2	− 0·1	2·2	18·3	+ 0·1	79	+ 1	20·8	19·3	1·8	50	4·8	7·9
16	1010·0	+ 0·1	24·3	21·3	3·0	22·4	+ 0·2	2·1	18·7	+ 0·5	80	+ 2	21·4	19·5	5·3	35	3·3	5·8
17	1009·3	− 0·6	25·1	21·6	3·5	22·9	+ 0·8	1·8	1·97	+ 1·6	82	+ 4	22·7	20·0	0·4	15	3·1	4·9
18	1007·7	− 2·3	25·2	21·6	3·6	23·4	+ 1·3	1·0	21·7	+ 3·7	90	+ 12	25·7	19·9	2·7	30	2·5	5·0
19	1008·1	− 2·0	23·9	22·0	1·9	22·8	+ 0·8	0·7	21·6	+ 3·7	93	+ 15	25·5	20·5	73·7	485	2·7	8·9
20	1009·3	− 0·9	23·7	22·1	1·6	23·4	+ 1·4	1·5	20·8	+ 2·9	85	+ 7	24·3	20·3	0·4	10	7·1	5·8
21	1010·4	+ 0·1	25·6	21·9	3·7	23·5	+ 1·6	2·2	19·7	+ 1·9	79	+ 2	22·7	20·2	0·0	...	3·9	6·6
22	1010·9	+ 0·6	22·7	20·9	1·8	21·8	− 0·1	0·9	20·2	+ 2·5	90	+ 13	23·4	17·3	63·2	500	1·3	9·5
23	1009·1	− 1·3	25·1	20·2	4·9	22·5	+ 0·7	1·5	19·9	+ 2·2	85	+ 8	23·0	19·2	4·8	120	1·2	8·3
24	1007·1	− 3·4	23·8	21·2	2·6	22·2	+ 0·5	0·8	20·8	+ 3·2	92	+ 15	24·3	20·0	52·9	325	2·4	8·6
25	1006·8	− 3·8	26·4	20·9	5·5	23·1	+ 1·4	1·3	20·8	+ 3·2	87	+ 10	24·3	18·2	0·4	10	3·4	5·0
26	1008·3	− 2·4	25·9	18·7	7·2	22·6	+ 1·0	1·5	20·0	+ 2·5	86	+ 9	23·2	15·0	5·0	75	3·0	3·1
27	1009·3	− 1·5	26·2	21·3	4·9	22·8	+ 1·2	1·1	20·9	+ 3·5	89	+ 12	24·5	18·8	2·4	115	1·9	7·6
28	1009·0	− 1·9	24·9	20·7	4·2	22·3	+ 0·8	2·6	17·7	+ 0·4	76	− 1	2·01	17·6	0·1	5	3·6	3·8
29	1007·6	− 3·4	25·4	21·0	4·4	22·3	+ 0·8	1·9	19·0	+ 1·7	82	+ 5	21·8	16·0	0·0	...	2·5	5·0
30	1007·3	− 3·7	26·0	17·1	9·0	21·6	+ 0·2	2·1	17·9	+ 0·7	80	+ 3	20·3	12·9	0·0	...	4·0	2·9
31	1009·8	− 1·3	25·0	16·1	8·9	20·2	− 1·2	3·0	14·8	− 2·3	71	− 6	16·7	11·9	0·0	...	4·3	3·1
Mean	1007·7	− 2·2	25·6	20·8	4·8	22·8	+ 0·5	1·7	19·9	+ 1·1	83·7	+ 6·0	22·4	18·2	257·8	2390	3·4	6·1
Aver.	1009·9	...	26·1	19·0	7·1	22·3	..	2·4	18·2	...	77·7	...	20·7	15·7	77·0	1328	3·7	4·6
	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 1923.

The weather of May was characteristically wet. During the first half of the month the passage two well marked. Depressions were noticeable : the first, from the 2nd to the 5th and the second from the 8th to the 11th. The recovery of pressure was marked by a period of very wet weather, extending from the 13th to the 24th.

Air Temperature was above normal for nearly the whole of the month ; while Relative Humidity above normal throughout the month, and the mean daily range of temperature markedly reduced.

Wind velocity was very variable: Easterly velocities high above normal were encountered from the 13th to the 18th.

Rainfall was abundant ; the percentage in excess of normal was remarkably high in the North and North-Western districts.

The percentage variation for the several districts is given below :

Northern Districts	River System 1,	215 % above	Western Districts	River System 11	91 % above
Eastern Districts	,, ,, 2, 3, 4.	84 % ,,		,, ,, 12	99 % ,,
South-Eastern Districts	,, ,, 5, & 6	72 % ,,		,, ,, 13	299 % ,,

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MAY 1923

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
MAY	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	4·2	38	+ 0·9	+ 3·3	105	3·4	3·4	+ 0·1	25·7	26·8	26·8	...	...	26·8	26·8	c.p. : o. : .
2	0·2	2	— 0·1	+ 0·9	84	0·9	1·3	— 2·0	25·6	26·8	26·8	...	...	26·2	25·8	c. : o.g.r. : c.f. .
3	8·3	74	+ 0·1	0·0	180	0·1	1·5	— 1·8	25·6	26·8	26·9	...	...	26·3	26·6	c. : c.f. : c. : c.f. .
4	7·6	68	— 0·3	+ 1·6	79	1·6	2·2	— 1·1	25·6	26·8	26·9	...	...	26·8	26·8	c. : f. : c.f. : f. .
5	3·1	28	— 1·1	+ 2·2	63	2·4	2·5	— 0·8	25·6	26·8	26·8	...	...	26·7	26·7	: o. t. .
6	7·2	64	— 0·1	+ 4·1	89	4·1	4·2	+ 0·9	25·4	26·7	26·8	...	...	26·3	26·2	o. : c. f. : f. .
7	6·7	60	+ 1·8	+ 1·5	140	2·3	2·6	— 0·7	25·7	26·6	26·7	...	...	26·4	26·4	f. . c. f. : f.l. .
8	8·9	80	— 0·4	— 0·3	323	0·5	1·5	— 1·8	25·7	26·8	26·8	...	...	26·9	26·9	f. :c.p : f. : b. .
9	2·5	23	— 0·2	— 0·6	108	0·6	1·3	— 2·0	25·7	26·6	26·8	...	...	26·4	26·1	f. : c.p. : c.f. .
10	4·9	44	— 0·7	— 0·9	52	1·1	1·8	— 1·5	25·7	26·6	26·7	...	...	25·8	25·7	c. : c. f. : c. : f. .
11	0·9	8	— 0·6	+ 2·1	74	2·2	2·2	— 1·1	25·6	26·6	26·7	...	...	25·6	25·2	c. d.: o. . f. .
12	3·5	32	— 0·9	+ 2·9	73	3·0	3·2	— 0·1	25·8	26·5	26·6	...	...	25·2	24·6	c. : c.f. : o. : f. .
13	7·7	69	— 0·8	+ 4·3	79	4·4	4·5	+ 1·2	25·8	26·5	26·4	...	...	24·7	24·3	c. :c.p: c. f. : o.r. .
14	6·2	56	0·0	+ 5·9	90	5·9	5·9	+ 2·6	25·8	26·6	26·2	...	...	24·6	24·0	o. q. r. : c .f. : .
15	0·0	0	— 0·5	+ 5·7	85	5·7	5·7	+ 2·4	25·3	26·5	26·2	...	...	23·9	23·3	o. : o. d. : .
16	5·7	52	— 0·5	+ 5·4	85	5·4	5·5	+ 2·2	25·7	26·4	25·8	...	...	23·8	23·4	f. : c.p. : c . d. .
17	9·0	81	— 0·2	+ 4·9	88	4·9	4·9	+ 1·6	25·7	26·5	25·7	...	...	24·1	24·1	: c .f. : c.d : c. f. .
18	5·5	50	+ 0·4	+ 2·5	99	2·5	2·6	— 0·7	25·8	26·5	25·7	...	...	24·6	24·8	f. : c.p : c. : c. f : .
19	0·1	1	— 0·9	+ 1·8	63	2·0	2·2	— 1·1	25·7	26·3	25·5	...	...	24·5	24·4	o. r. : c. .
20	8·8	80	— 0·9	+ 3·7	76	3·8	3·9	+ 0·6	25·8	26·3	25·4	...	...	24·6	24·7	c. f. : .
21	5·3	48	+ 0·6	+ 4·8	97	4·8	4·9	+ 1·6	25·8	26·3	25·3	...	...	24·8	24·8	c . : c.f. : c. .
22	0·0	0	— 0·7	+ 4·4	81	4·4	4·6	+ 1·2	25·7	26·2	25·3	...	...	24·4	23·7	: o. r . .
23	4·6	42	+ 0·5	+ 3·8	98	3·8	3·9	+ 0·5	25·6	26·2	25·3	...	...	23·6	23·6	o.r . ; o. p. .
24	0·3	3	+ 0·6	+ 2·9	102	2·9	3·0	— 0·4	25·7	26·2	25·1	...	...	23·9	23·7	o. g. r . : o. : o. r. .
25	7·8	71	+ 1·2	+ 1·3	133	1·7	2·1	— 1·3	25·6	26·0	25·0	...	...	23·8	23·9	; f . : c. f. .
26	10·0	91	+ 0·6	+ 1·6	111	1·7	1·8	— 1·6	25·6	26·1	24·9	...	...	24·2	24·5	f. : cp. .
27	2·3	21	— 0·5	+ 1·2	67	1·3	1·5	— 1·9	25·6	26·1	24·9	...	...	24·6	24·8	o. d: c.: d . : f. .
28	3·6	33	— 2·8	+ 2·7	44	3·9	3·9	+ 0·5	25·4	26·1	24·9	...	...	24·7	24·7	f . : c.f . : f . .
29	3·6	33	— 1·6	+ 1·8	48	2·4	2·5	— 0·9	25·4	26·0	24·9	...	...	24·6	24·6	c. f : c. : f. .
30	8·1	74	— 1·2	+ 0·3	14	1·2	1·8	— 1·6	25·4	26·1	25·0	..	...	24·6	24·7	f. .
31	9·3	85	— 3·3	+ 1·1	18	3·5	3·6	+ 0·2	25·4	25·9	25·0	...	...	24·1	23·6	f. : cf . .
Mean	5·03	45·5	—0·36	+2·58	82·1	2·40	3·11	—0·22	25·63	26·43	25·93	...	...	25·11	24·95	...
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 1923.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1012·2 m.b.s.	at	10h	on 22nd	1002·3 m.b.s.	at	15h	on 9th
Temperature of the Air	28·°1C	at	13·25h	on 3rd	16·°1C	at	4h	on 31st
Daily range of temperature of the Air...	9·0°C		...	on 30th	1·6°C		...	on 20th
Temperature of the Dew Point	25·1°C	at	...	on 3rd	10·°5C	at	...	on 31st
Daily range of temperature of the Dew Point	7·°8C		...	on 31st	1·°1C		...	on 20th
Relative humidity...	100·0%	at	3h on 2nd & 3h	on 20th	59·9%	at	14h	on 31st
Wind Velocity	10·6 m.p.s.	at	11h	on 14th	0·6 m.p.s.		often	
Rainfall	76·4 mm.	ending	16h	on 19th				
Temperature of the soil at 3 ins. ...	28·7°C	at	18h	on 3rd	22·°0C	at	9h	on 31st
,, ,, at 6 ins. ...	28·°0C	at	18h	on 8th	23·°1C	at	9h	on 25th
Duration of sunshine	10·0h		...	on 26th	0·0h		...	on 15th & 22nd
Amount of Evaporation	7·1 mm.		...	on 20th	0·8 mm.		...	on 9th
Vapour Tension	26·0 mbs		...	on 1st	16·7 m.b.s.		...	on 31st
Minimum on Grass					11·°9C		...	on 31st

Number of Days Overcast 11, Clear 1, of Rain 20, of Lightning 2, of Thunderstorm 0.

Mean Day Temperature of Air 23·°90C, Average 24·°08C. Mean Night Temperature of Air 21·°72C, Average, 20·°58C.

* South (0°); East (90°); North (180°); West (270°). † Thermometers 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 1923.

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	0090	0086	0076	0061	0057	0092	0099	0078	0051	0041	0056	0067	0071	0075	0083	0104	Midnight
1h	0082	0081	0067	0057	0055	0089	0096	0074	0049	0039	0056	0061	0066	0066	0086	0105	1h
2	0080	0078	0066	0051	0054	0085	0092	0067	0044	0036	0055	0056	0060	0064	0083	0101	2
3	0077	0076	0061	0044	0050	0084	0084	0061	0041	0032	0051	0051	0055	0060	0082	0096	3
4	0076	0075	0056	0038	0054	0082	0081	0057	0036	0030	0049	0050	0057	0057	0077	0092	4
5	0078	0074	0055	0036	0049	0081	0079	0057	0034	0029	0050	0051	0057	0060	0080	0090	5
6	0081	0076	0056	0041	0055	0085	0081	0060	0036	0035	0052	0056	0059	0066	0076	0091	6
7	0085	0080	0061	0045	0057	0088	0086	0065	0041	0041	0060	0059	0066	0072	0084	0096	7
8	0092	0084	0067	0052	0066	0091	0089	0071	0046	0046	0066	0064	0074	0081	0092	0102	8
9	0098	0089	0068	0056	0070	0098	0092	0078	0051	0051	0071	0065	0076	0086	0096	0107	9
10	0099	0090	0068	0057	0078	0101	0093	0076	0051	0052	0073	0065	0075	0087	0097	0115	10
11	0093	0082	0061	0055	0075	0099	0087	0070	0048	0043	0069	0061	0069	0081	0096	0111	11
Noon	0087	0080	0052	0051	0066	0092	0082	0060	0046	0039	0066	0057	0063	0077	0091	0108	Noon
13h	0080	0074	0041	0040	0063	0087	0073	0051	0030	0031	0057	0051	0053	0071	0089	0096	13h
14	0076	0067	0034	0033	0064	0080	0067	0042	0025	0028	0054	0045	0049	0065	0086	0093	14
15	0075	0061	0035	0033	0065	0079	0066	0038	0023	0026	0051	0048	0049	0063	0086	0087	15
16	0074	0063	0035	0033	0064	0083	0068	0039	0025	0029	0050	0055	0050	0064	0085	0090	16
17	0075	0064	0038	0035	0066	0086	0070	0041	0028	0033	0051	0060	0053	0069	0085	0091	17
18	0078	0066	0042	0043	0071	0091	0076	0045	0032	0040	0057	0062	0058	0076	0087	0095	18
19	0082	0070	0044	0046	0078	0096	0081	0047	0037	0046	0064	0065	0065	0078	0091	0100	19
20	0087	0076	0049	0051	0085	0100	0082	0051	0045	0051	0072	0071	0069	0084	0100	0108	20
21	0093	0077	0052	0057	0088	0102	0085	0054	0047	0055	0072	0069	0076	0085	0107	0109	21
22	0091	0078	0056	0057	0091	0102	0084	0052	0047	0057	0076	0069	0074	0086	0110	0109	22
23	0089	0082	0059	0059	0094	0101	0081	0052	0045	0057	0071	0071	0074	0084	0106	0108	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	0105	0084	0080	0092	0103	0108	0114	0082	0070	0080	0102	0099	0088	0078	0089	1008.3	Midnight
1h	0105	0084	0078	0091	0104	0109	0113	0082	0064	0076	0100	0100	0085	0073	0085	1008.0	1h
2	0102	0081	0072	0088	0102	0106	0112	0074	0061	0072	0094	0093	0081	0070	0082	1007.6	2
3	0095	0074	0070	0085	0101	0103	0103	0070	0056	0071	0089	0090	0075	0065	0080	1007.2	3
4	0095	0070	0069	0083	0096	0102	0099	0065	0055	0070	0088	0089	0074	0064	0078	1007.0	4
5	0093	0070	0069	0082	0096	0100	0092	0070	0060	0071	0088	0088	0072	0064	0079	1007.0	5
6	0095	0071	0072	0086	0094	0105	0095	0071	0062	0073	0090	0089	0073	0069	0080	1007.2	6
7	0101	0076	0080	0093	0102	0109	0100	0076	0071	0080	0093	0090	0079	0071	0085	1007.7	7
8	0105	0083	0084	0101	0106	0113	0102	0076	0076	0086	0099	0097	0081	0076	0091	1008.3	8
9	0106	0085	0089	0103	0112	0121	0102	0081	0082	0089	0101	0102	0085	0082	0096	1008.7	9
10	0105	0086	0093	0104	0113	0122	0102	0082	0075	0087	0102	0103	0086	0083	0102	1008.8	10
11	0100	0083	0089	0100	0109	0116	0095	0080	0070	0081	0101	0096	0082	0081	0096	1008.3	11
Noon	0093	0078	0082	0096	0103	0112	0087	0074	0065	0078	0092	0090	0076	0074	0094	1007.8	Noon
13h	0086	0073	0079	0086	0097	0103	0080	0071	0061	0072	0085	0085	0069	0064	0089	1007.1	13h
14	0081	0069	0072	0083	0093	0098	0075	0070	0059	0071	0079	0084	0064	0060	0089	1006.6	14
15	0080	0068	0071	0082	0093	0095	0071	0050	0056	0071	0081	0079	0061	0060	0091	1006.4	15
16	0081	0068	0071	0085	0095	0099	0071	0051	0059	0078	0084	0081	0062	0060	0094	1006.6	16
17	0083	0067	0073	0089	0101	0101	0071	0065	0061	0082	0085	0081	0063	0064	0099	1006.9	17
18	0084	0070	0082	0092	0110	0104	0078	0063	0068	0088	0089	0083	0065	0069	0105	1007.3	18
19	0087	0074	0085	0097	0112	0112	0082	0072	0072	0093	0093	0087	0070	0078	0115	1007.8	19
20	0092	0080	0089	0102	0116	0117	0089	0071	0077	0101	0099	0091	0079	0084	0123	1008.4	20
21	0093	0083	0093	0106	0116	0116	0092	0072	0083	0104	0102	0092	0081	0089	0126	1008.6	21
22	0093	0083	0093	0107	0113	0119	0091	0072	0083	0102	0102	0090	0082	0090	0131	1008.7	22
23	0091	0082	0092	0105	0109	0115	0086	0071	0081	0104	0101	0089	0080	0089	0133	1008.6	23

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

Hour \ Day.	MAY 1923.																																
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	9	3	8	7	4	10	3	4	0	3	5	5	6	8	4	9	6	2	8	6	5	5	10	9	10	3	10	4	5	1	1	5·6
1h	9	4	6	9	4	9	3	5	1	4	6	4	6	8	3	4	6	2	10	3	6	4	10	8	9	2	10	4	5	3	1	5·4
2	10	4	5	9	6	10	4	7	2	7	7	5	7	7	8	3	4	3	9	5	8	10	10	7	3	1	10	3	4	2	2	5·9
3	6	8	7	9	10	6	3	6	3	8	8	7	9	10	9	3	7	3	10	4	9	10	10	7	3	1	10	3	4	8	2	6·6
4	8	6	9	7	8	7	5	5	4	6	8	6	9	10	9	2	4	5	10	6	9	10	8	6	2	1	9	4	6	7	1	6·4
5	9	7	9	4	9	9	5	5	5	2	9	6	6	9	8	3	3	6	10	5	9	10	9	6	2	0	8	3	6	3	1	6·0
6	9	8	7	5	9	3	3	9	5	7	9	5	3	9	7	6	5	6	9	7	9	10	10	7	3	1	8	3	6	2	1	6·2
7	9	10	6	3	8	5	4	8	7	6	10	5	6	10	7	4	5	7	10	8	8	10	10	7	5	1	8	3	6	2	1	6·4
8	9	10	6	3	8	5	5	7	8	7	9	5	6	10	8	6	7	7	9	9	7	10	10	8	7	2	9	3	4	1	2	6·7
9	9	10	5	3	8	6	7	10	10	2	6	6	5	5	9	5	5	6	9	6	7	10	6	10	5	3	10	5	4	1	2	6·3
10	9	10	5	4	7	7	6	8	8	3	6	6	4	4	9	3	6	6	10	8	6	10	7	10	5	4	9	5	4	1	2	6·2
11	9	10	5	5	7	8	6	6	10	3	9	9	3	4	10	10	6	6	10	6	4	10	7	10	5	3	8	5	4	6	2	6·6
Noon	8	10	3	6	7	7	5	4	9	4	10	10	4	7	10	7	6	6	10	5	4	10	9	10	5	3	7	6	5	2	3	6·5
13h	9	10	3	6	7	6	5	3	7	7	10	8	4	6	10	5	7	7	10	6	4	10	8	10	5	3	5	6	6	3	4	6·4
14	9	10	3	6	8	5	5	3	6	9	10	8	6	6	10	4	7	7	10	6	4	10	7	10	4	4	9	6	7	4	2	6·6
15	9	10	7	6	9	5	8	3	7	7	10	10	8	6	10	7	7	6	10	6	7	10	7	10	6	4	10	8	7	4	2	7·3
16	8	9	7	6	7	5	8	3	7	6	10	6	8	7	8	7	6	4	10	6	7	10	5	10	4	3	7	4	7	3	7	6·6
17	9	9	8	7	7	4	8	4	7	7	10	6	9	7	8	8	5	4	10	6	8	10	5	10	4	3	8	2	7	2	8	6·8
18	9	8	8	9	7	4	3	2	7	9	8	2	7	8	10	9	5	6	10	6	9	10	8	10	5	1	9	2	7	4	8	6·8
19	7	6	5	3	6	4	1	1	5	6	8	2	8	8	6	7	3	2	8	5	7	11	8	8	8	2	6	2	6	3	7	5·4
20	8	3	3	0	6	2	1	1	7	3	8	3	7	8	10	6	2	2	7	5	7	10	8	8	7	5	4	2	5	2	6	5·0
21	9	3	3	0	6	3	0	1	7	4	8	1	10	7	9	8	2	2	6	6	6	10	8	6	6	6	3	2	2	2	5	4·9
22	9	4	5	5	10	2	2	0	7	4	6	3	5	5	4	5	2	7	4	6	3	9	10	10	4	8	3	4	1	2	3	4·9
23	9	5	6	6	9	2	2	1	5	4	3	5	7	4	3	7	1	7	5	4	6	10	10	10	3	10	2	3	1	1	2	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.	MAY 1923.																															
	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	12	8	2	8	0	0	0	20	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	10	0	0	0	6	20	1·5
8	0	0	50	12	12	39	22	50	0	5	0	52	35	0	0	35	54	4	5	12	18	0	0	6	15	59	0	6	5	60	59	10·3
9	10	0	60	8	5	50	27	19	10	40	0	59	52	17	0	42	54	50	0	60	10	0	18	12	20	59	0	0	50	60	60	14·2
10	45	0	58	55	17	42	59	37	8	58	8	58	47	60	0	40	60	57	0	49	50	0	28	0	50	59	0	35	60	60	60	19·3
11	40	0	46	60	49	36	21	60	0	15	40	24	60	59	0	17	60	25	0	58	50	0	10	0	60	59	2	58	36	50	60	17·6
Noon	50	0	20	60	40	27	58	60	0	58	6	0	59	60	0	8	60	18	0	60	59	0	18	0	60	58	36	12	15	50	60	16·9
13h	58	0	60	57	45	30	58	60	0	60	0	0	60	48	0	55	52	24	0	60	57	0	38	0	60	59	60	32	40	45	57	19·6
14	5	0	60	50	12	30	58	60	52	19	0	0	60	58	0	38	57	50	0	60	55	0	12	0	48	59	35	40	0	50	36	16·7
15	0	2	51	34	0	50	10	60	17	13	0	0	48	59	0	59	41	37	0	60	18	0	42	0	59	59	0	0	13	40	59	13·9
16	20	1	42	42	0	55	38	60	20	6	0	6	20	8	0	43	42	57	0	50	0	0	50	0	42	54	0	0	0	60	59	12·9
17	19	3	38	59	3	60	47	58	40	0	0	8	18	6	0	6	57	6	0	57	0	0	54	0	50	58	3	28	0	6	30	11·9
18	4	4	0	8	0	5	2	8	2	2	0	5	0	0	0	0	0	0	0	5	0	0	5	0	4	8	0	3	0	0	0	1·1
19	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...

The total amount of registered sunshine was 155·9 hours and the total possible sunshine 345·4 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 1923.

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	23·8	0·8	22·5	0·5	22·0	0·5	22·5	1·5	21·5	1·5	23·0	2·0	23·6	1·0	23·0	0·9	Midnight
1h	23·9	...	22·1	...	21·5	...	21·1	...	21.2	...	22.9	...	23·5	...	22·9	...	1
2	23·6	...	21·9	...	20·9	...	22·2	...	20.9	...	23.0	...	23·1	...	23·0	...	2
3	23·8	0·9	22·1	0·0	20·3	0·4.	21·9	0·9	21.0	0.9	22.8	1·7	23·5	1·4	23·3	0·7	3
4	24·0	...	22·7	...	20·9	...	21·0	...	21·1	...	22·8	...	23·4	...	23·2	...	4
5	23·9	...	22·5	...	21·0	...	21·1	...	21·1	...	22.6	...	23·1	...	23·1	...	5
6	24·1	1·1	22·3	0·7	21·0	0·8	21·1	1·1	21.6	1·1	22·7	2·2	23·2	1·2	22·5	0·9	6
7	23·4	...	22·4	...	21·1	...	21·6	...	21·9	...	22·2	...	23·0	...	22·4	...	7
8	24·2	...	22·6	...	23·8	...	23·3	...	23.4	...	24·1	...	25·0	...	23·5	...	8
9	24·9	1·3	23·2	0·5	24·2	1·0	24·2	2·1	24·8	1·6	25·3	2·3	25·5	1·5	24·9	2·0	9
10	25·9	...	23·9	...	26·0	...	25·8	...	25·7	...	24·9	...	26·5	...	25·2	...	10
11	26·0	...	24·0	...	26·8	...	26·5	...	26·1	...	25·4	...	27·1	...	26·8	...	11
Noon	26·7	2·9	23·3	0·3	26·8	2·3	26·9	3·4	26·2	3·1	26·1	3·3	27·6	3·8	26·9	3·5	Noon
13h	26·5	...	23·3	...	27·9	...	27·3	...	26·6	...	25·6	...	27·3	...	27·3	...	13h
14	26·1	...	23·0	...	27·9	...	26·5	...	25·7	...	25·9	...	27·0	...	27·5	...	14
15	26·0	2·6	24·0	0·7	27·5	3·0	26·1	3·9	24·5	2·8	25·8	2·8	27·1	3·4	27·3	3·2	15
16	25·9	...	24·6	...	27·1	..	25·9	...	23·8	...	25·5	...	26·9	...	27·0	...	16
17	25·4	...	24·2	..	26·7	...	25·7	...	23·7	...	25·0		26·0	...	26·0	...	17
18	24·8	2·2	23·8	1·2	25·8	2·3	24·2	1·6	23·5	2·1	24·1	1·6	25·4	1·7	24·8	2·3	18
19	24·2	...	23·0	...	25·0	...	23·5	...	23·3	...	23·7	...	24·1	...	23·9	...	19
20	23·7	...	23·1	...	23·6	...	22.5	...	23·0	...	23·8	...	23·6	...	23·0	...	20
21	23·6	1·2	21·5	0·8	22·7	1·1	21·7	1·3	23·0	2·2	23·7	1·7	23·0	0·9	22·3	1·3	21
22	23·3	...	21·3	...	22·2	...	21·8	...	23·1	...	23·6	..	22·9	...	22·0	...	22
23	23·1	...	21·9	...	22·5	..	21·8	...	23·1	...	23·6	...	22·8	...	21·2	...	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	21·0	0·8	20·9	1·9	21·0	1·0	21·6	0·8	20·6	0·8	20·3	0·3	22·0	1·2	21·7	1·9	Midnight
1h	20·8	...	20·5	...	21·1	...	21·5	...	20·5	...	21·2	...	21·9	...	22·0	...	1h
2	20·8	...	20·0	...	21·2	...	21·3	...	20·7	...	20·7	...	21·8	...	22·3	...	2
3	20·9	1·0	20·0	1·0	21·2	1·8	21·2	0·9	21·0	1·1	20·8	1·2	21·5	0·0	22·0	3·0	3
4	20·9	...	20·5	...	21·3	...	21·1	...	20·5	...	20·9	...	21·9	...	21·9	...	4
5	20·5	...	20·4	...	21·4	...	20·7	...	20·3	...	20·3	...	21·9	...	21·8	...	5
6	20·9	0·8	20·3	1·9	21·4	1·1	20·6	0·8	20·1	1·2	20·4	1·0	22·0	3·2	21·5	2·5	6
7	21·8	...	19·9	...	21·9	...	20·9	...	20·6	...	20·8	...	22·1	...	21·6	...	7
8	22·1	...	22·1	...	22·7	...	23·5	...	22·4	...	21·2	...	22·6	...	22·9	...	8
9	23·1	0·6	24·1	2·2	23·5	1·6	24·7	1·6	23·4	2·4	22·5	2·7	23·1	3·0	23·4	2·2	9
10	24·1	...	25·3	...	24·8	...	25·5	...	23·9	...	23·7	...	22·8	...	23·7	..	10
11	24·1	...	25·4	...	25·1	...	24·1	...	24·9	...	23·9	...	22·9	...	21·3	...	11
Noon	22·1	0·3	27·1	4·2	24·9	4·6	23·3	2·5	24·8	3·8	24·3	4·8	23·4	2·3	22·7	0·7	Noon
13h	22·9	...	27·1	...	24·1	...	22·2	...	24·9	...	24·1	...	22·1	...	24·0	...	13h
14	23·4	...	26·2	...	23·7	...	22·2	...	24·8	...	23·7	...	21·5	...	23·7	...	14
15	24·3	2·5	24·9	3·4	23·3	2·3	22·1	2·1	23·6	2·1	23·5	1·2	22·3	2·5	24·3	3·5	15
16	24·6	...	24·9	...	23·5	...	21·6	...	23·3	...	23·5	...	22·6	...	23·6	...	16
17	24·2	...	24·6	...	23·0	...	21·0	..	22·1	...	22·2	...	22·5	...	22·3	...	17
18	23·3	2·3	23·9	2·6	22·7	1·4	20·9	1·9	21·2	1·4	21·9	3·1	21·9	2·9	22·0	1·7	18
19	22·0	...	23·2	...	21·9	...	20·7	...	21·0	...	21·8	...	21·9	...	21·7	...	19
20	21·1	...	22·1	...	21·3	...	21·2	...	20·8	...	22·0	...	22·0	...	21·4	...	20
21	21·0	1·3	21·5	1·6	21·8	1·6	20·6	0·7	20.8	0·8	22·0	3·5	22·4	2·9	21·9	1·6	21
22	20·8	...	21·0	...	21·6	...	20·6	...	20·9	...	21·9	...	21·9	...	22·1	...	22
23	21·1	...	20·9	...	21·6	...	20·8	...	20·8	..	22·0	...	21·2	...	22·2	...	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°)

MAY 1923

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	1·8	22·1	1·0	22·1	0·7	22·2	0·7	22·5	0·9	22·5	1·3	20·6	0.7	22·3	0·6	Midnight
1h	22·6	...	22·1	...	22·5	...	22·1	0·8	22·3	0·9	22·6	1·4	20·8	0·7	22·3	0·6	1h
2	22·3	...	22·0	..	22·5	..	22·0	0·8	22·2	0·9	22·2	1·2	20·9	0·6	22·1	0·7	2
3	22·0	1·8	21·9	0·7	22·7	0·5	22·1	0·8	22·1	0·9	21·7	0·8	20·3	0·7	22·3	0·9	3
4	21·6	...	21·7	...	22·4	...	22·1	0·9	22·6	1·0	22·1	0·8	20·6	0·5	22·0	0·8	4
5	21·6	...	21·9	...	22·1	...	22·2	0·9	22·7	1·4	22·0	1·0	21·1	1.4	22·1	0·8	5
6	21·6	1·6	21·8	0·5	22·1	0·6	22·1	1·0	22·7	1·5	22·0	0·8	21·2	0·9	22·1	0·9	6
7	21·8	...	22·7	...	23·2	...	22·3	1·0	22·2	1.6	21·6	0·6	20·9	0·8	22·2	0·9	7
8	23·1	...	23·2	...	22·9	...	23·0	1·4	23·3	2·2	21·9	0·7	21·2	1·2	22·8	1·4	8
9	23·9	2·7	23·9	0.9	23·9	0.9	24·1	1·5	24·0	2·5	21·6	0·6	21·6	1·5	23·6	1·4	9
10	24·2	...	25·2	...	22·4	...	24·5	2·0	24·5	3·0	21·2	0·5	23·1	2·8	23·6	1·6	10
11	24·0	...	25·0	...	22·7	...	25·1	2·1	25·2	3·7	21·3	0·4	23·8	2·3	23·2	1·3	11
Noon	25·1	3·1	25·3	1·5	23·1	0·5	25·3	2·9	25·2	3·9	21·7	0·4	24·3	2·7	23·1	0·8	Noon
13h	25·0	...	25·7	...	23·1	...	25·2	2·7	25·3	4·0	21·7	0·7	24·6	2·5	22·9	1·2	13h
14	24·6	...	25·7	...	23·1	...	25·3	2·8	25·4	3·8	22·3	0·7	24·3	2·6	21·8	0·6	14
15	23·0	1·2	25·5	2·0	23·3	0.8	25·6	2·9	24·9	3·7	22·5	0·9	24·8	3·1	21·3	0·4	15
16	24·3	...	25·0	...	23·5	...	24·6	2·0	24·5	3·3	22·0	1·0	24·6	2·7	21·5	0·4	16
17	24·0	...	24·1		22·9	.	24·0	1·7	24·0	2·6	21·8	0·9	23·9	1·7	21·5	0·6	17
18	23·1	1·6	23·6	0·8	22·6	0.8	23·3	1·5	23·3	2·0	21·4	0·8	23·2	1·5	21·4	0·5	18
19	22·3	...	23·3	...	22·7	...	23·0	1·3	23·0	2·0	21·6	1·1	22·9	1·2	21·9	0·7	19
20	22·1	...	23·1	...	22·8	...	22·9	1·2	23·1	1·8	21·5	0·9	22·7	1·1	21·7	0·6	20
21	22·1	0·8	22·7	0·7	22·7	0·9	22·9	1·1	23·1	1·7	21·3	1·3	22·3	0·6	21·8	0·7	21
22	22.0	...	22·5	...	22·6	...	22·7	1·0	22·8	1·5	21·6	1·5	22·6	0·8	21·7	0·5	22
23	21·8	...	22·0	...	22·3	...	22·5	1·1	22·7	1.5	21·0	1·0	22·7	1·1	21·9	0·7	23

Hour. \ Day.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean. Air.	Mean. Excess of Air over Evap	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	21·9	0·8	20·7	0·7	22·5	0·6	21·5	1·2	21·0	1·5	19·6	0·6	17·1	16	21·7	1·0	Midnight
1h	21·9	0·7	20·7	0·7	22·3	0·5	21·7	1·6	21·2	2·0	20·0	0·7	16·8	15	21·6	...	1h
2	21·3	0·6	20·3	0·6	22·4	0·8	21·8	1·5	21·3	1·9	19·9	0·7	16·9	17	21·5	...	2
3	21·0	0·7	20·1	0·6	22·3	0·5	21·0	1·1	21·5	2·1	19·9	0·9	16·4	14	21·4	1·0	3
4	21·1	0·8	29·7	0·4	22·4	0·5	21·3	1·3	21·4	1·7	20·5	1·0	16·3	14	21·5	...	4
5	21·3	0·8	29·1	0·4	21·9	0·4	21·5	1·3	21·1	1·3	19·9	0·8	16·8	18	21·4	...	5
6	21·5	0·4	29·0	1·0	22·3	0·6	21·5	1·7	21·3	1·8	19·3	1·2	16·5	15	21·4	1·2	6
7	21·6	0·6	28·7	1·5	21·8	0·5	21·7	1·6	21·2	1·3	19·3	0·2	19·1	13	21·5	...	7
8	22·8	0·8	22·0	1·0	23·1	0·8	22·1	2·3	22·0	1·9	21·6	2·0	20·9	19	22·7	...	8
9	23·6	0·9	23·9	1·4	23·0	0·5	21·9	2.4	23·7	2·7	23·4	3·0	22·5	34	23·7	1·7	9
10	24·7	1·9	24·6	2·0	22·9	0·7	23·3	3·5	24·3	3·1	24·5	4·0	23·7	36	24·3	...	10
11	25·3	2·4	25·2	2·6	23·4	0·9	24·3	3·7	24·5	2·6	25·3	4·0	24·1	34	24·6	...	11
Noon	25·4	2·6	25·3	2·8	25·1	2·0	24·5	3·8	24·3	2·8	25·7	4·2	24·3	40	24·9	2·7	Noon
13h	25·8	2·6	25·9	3·0	25·2	1·9	24·4	4·3	25·2	3·5	26·0	3·3	23·8	37	24·9	...	13h
14	26·0	2·8	25·4	3·1	25·1	2·6	24·6	4·7	24·8	3·5	25·9	3·1	24·1	48	24·7	...	14
15	26·0	2·6	25·3	3·0	23·2	1·6	23·7	4·0	23·7	2·3	25·4	2·9	23·3	43	24·5	2·5	15
16	25·5	2·3	24·8	2·0	22·9	1·3	23·3	3·8	23·6	2·4	24·5	3·2	22·7	37	24·3	...	16
17	25·0	2·3	24·6	2·1	22·6	1·4	22·6	3·5	23·2	1·7	22·6	1·7	21·3	30	23·6	...	17
18	23·8	1·5	23·7	1·8	22·9	1·4	21·6	2·7	22·3	1·4	21·0	2·3	20·3	32	23·0	1·8	18
19	23·0	1·2	22·5	1·1	22·3	1·1	21·0	2·4	21·8	1·4	20·5	3·2	20·2	37	22·5	...	19
20	22·5	0·9	22·3	1·1	22·2	1·3	21·4	2·5	21·3	1·2	19·5	2·4	20·3	44	22·2	...	20
21	22·2	1.0	22·5	1·0	22·3	1·6	21·3	2·4	20·8	1·1	18·7	1·8	19·5	37	21·9	1·4	21
22	21·3	0·7	22·6	1·0	21·9	1·4	21·5	2·3	20·4	0·8	18·1	1·2	19·0	27	21·8	...	22
23	21·0	0.7	22·7	1.2	21·9	1·3	21·2	1·9	20·1	0·6	18·3	1·5	19·1	26	21·7	...	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.)

MAY 1923.

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	900	936	900	917	895	911	869	888	893	909	885	924	912	930	906	901	Midnight
1h	900	918	900	913	895	912	861	939	893	909	888	931	907	933	906	901	1h
2	900	938	900	917	893	916	852	932	895	906	884	939	900	928	907	901	2
3	907	932	903	914	897	906	874	917	895	907	885	938	905	926	911	902	3
4	911	926	901	907	891	921	889	927	895	907	889	927	909	922	910	902	4
5	911	928	900	912	894	914	889	927	893	909	883	943	904	920	918	900	5
6	912	930	897	913	893	915	894	928	896	910	885	937	904	921	885	885	6
7	909	942	896	910	894	913	892	920	891	912	891	942	907	915	892	897	7
8	917	942	903	916	897	906	896	909	892	910	890	947	904	919	890	896	8
9	909	946	891	887	904	910	900	923	890	925	900	951	928	928	885	890	9
10	916	940	895	895	911	911	908	918	888	930	900	961	943	917	889	892	10
11	920	949	891	904	917	897	913	913	893	933	912	959	929	911	884	876	11
Noon	917	941	918	900	918	882	919	913	889	954	909	943	947	919	889	874	Noon
13h	915	938	890	924	920	892	915	915	882	943	911	952	938	915	896	879	13h
14	917	941	885	915	925	890	910	914	886	935	911	953	942	917	896	879	14
15	917	941	894	906	910	890	914	914	887	933	900	959	927	911	896	882	15
16	918	945	912	912	915	885	912	912	885	937	920	949	942	917	895	889	16
17	913	934	905	905	900	888	910	904	887	919	909	946	926	905	889	900	17
18	907	932	906	906	900	893	906	902	890	924	906	928	915	903	896	909	18
19	900	923	906	906	900	894	908	903	888	918	900	943	907	901	895	911	19
20	900	920	898	911	900	893	900	913	882	918	900	929	907	901	894	914	20
21	900	917	897	914	900	889	897	916	885	923	904	918	906	901	897	914	21
22	900	915	895	911	885	894	894	914	890	924	900	936	907	901	896	910	22
23	900	920	896	910	890	896	895	911	880	920	900	927	911	902	894	913	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	896	910	898	911	890	915	893	917	889	927	900	946	900	951	894	928	Midnight
1h	895	912	894	915	889	916	895	911	886	934	900	955	891	946	900	947	1h
2	893	916	892	919	889	917	894	915	892	918	900	951	880	949	900	946	2
3	895	912	891	913	889	916	892	919	884	940	900	945	900	940	900	945	3
4	893	915	889	917	887	920	896	910	913	934	900	958	886	936	891	944	4
5	895	911	887	913	891	912	896	910	896	920	900	955	890	949	891	943	5
6	896	919	886	910	890	915	897	916	892	939	900	955	900	966	891	945	6
7	887	913	889	908	903	916	895	919	889	927	900	965	888	959	885	937	7
8	891	912	886	906	904	910	897	917	883	942	900	948	900	969	892	940	8
9	896	909	884	903	904	918	915	923	892	941	900	961	885	975	888	961	9
10	907	916	894	896	890	948	918	918	900	960	900	982	900	960	888	960	10
11	913	909	904	890	900	939	912	919	900	960	900	1006	900	964	900	958	11
Noon	900	871	917	883	900	926	904	910	900	957	900	969	900	984	889	953	Noon
13h	905	903	911	873	900	918	888	930	900	957	900	991	900	969	900	956	13h
14	905	903	880	908	903	916	849	951	900	971	900	967	910	950	884	980	14
15	904	904	891	922	895	923	842	958	890	950	900	961	900	957	900	992	15
16	911	900	891	922	896	921	879	950	882	944	900	951	900	960	900	973	16
17	909	900	894	914	896	918	878	953	882	944	900	953	900	951	900	961	17
18	906	900	894	913	896	918	885	937	887	932	900	947	900	963	889	954	18
19	912	900	893	916	896	921	894	931	884	939	900	931	887	965	900	951	19
20	912	900	893	915	892	920	900	960	900	952	900	945	888	961	889	955	20
21	911	900	891	922	888	931	900	945	882	943	900	957	900	954	900	951	21
22	899	907	889	917	890	924	885	937	900	948	900	944	890	947	900	953	22
23	899	907	889	916	889	928	889	926	885	937	900	961	900	949	900	962	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 1923.

Hour. \ Day.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Hour. \ Day.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	900	955	895	926	900	920	884	924	894	930	912	957	900	946	906	928	Midnight
1h	900	955	895	923	900	918	889	926	893	936	900	941	900	934	902	911	1h
2	900	955	895	922	895	912	891	921	894	929	900	949	907	917	905	922	2
3	890	950	900	921	907	901	887	934	900	936	900	937	908	939	909	942	3
4	892	940	896	921	908	903	886	921	900	939	900	926	911	927	900	931	4
5	891	944	895	925	889	911	883	925	900	954	887	934	908	941	910	925	5
6	900	954	900	930	890	904	886	935	900	946	885	938	906	929	907	934	6
7	890	950	895	925	894	903	892	919	900	951	882	944	900	930	900	924	7
8	900	961	900	923	894	902	890	923	909	946	892	938	911	926	900	937	8
9	900	973	912	931	891	921	879	952	921	951	900	960	900	936	900	946	9
10	900	964	917	941	866	934	877	956	926	962	900	939	900	959	900	952	10
11	900	968	913	934	889	927	888	959	928	967	888	959	910	947	893	934	11
Noon	900	967	911	928	885	924	900	953	922	954	900	957	918	944	894	927	Noon
13h	900	955	917	926	889	927	900	947	900	965	900	947	921	952	905	926	13h
14	900	963	914	934	887	920	900	960	912	961	890	948	921	951	918	927	14
15	900	957	914	935	886	922	900	954	912	959	889	952	910	951	915	938	15
16	900	946	911	926	889	927	891	942	900	963	889	953	909	943	911	929	16
17	900	946	906	927	889	927	900	945	907	935	891	943	900	943	914	935	17
18	900	934	905	924	894	914	894	928	907	934	890	947	900	941	913	933	18
19	900	933	903	915	890	925	900	936	900	932	893	935	895	924	910	924	19
20	900	930	900	910	890	925	886	934	900	939	880	948	890	924	908	918	20
21	900	934	900	918	889	926	886	934	900	947	885	938	900	940	911	926	21
22	895	925	903	915	891	922	893	932	900	946	885	937	900	933	904	918	22
23	895	925	893	917	889	926	892	937	900	962	893	936	900	934	908	920	23

Hour. \ Day.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Hour. \ Day.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	904	919	900	917	900	906	874	917	881	919	885	906	891	909	895	923	Midnight
1h	903	914	900	911	900	911	878	922	880	920	877	910	888	912	894	924	1h
2	903	916	900	906	898	909	879	921	879	921	882	908	890	910	893	923	2
3	896	918	900	926	900	908	892	910	877	923	885	907	892	908	896	924	3
4	896	910	900	916	898	911	895	907	879	921	885	903	889	911	896	921	4
5	893	915	900	912	898	909	882	918	884	916	882	904	887	913	894	923	5
6	903	916	900	915	898	908	881	919	891	909	884	907	887	913	895	925	6
7	903	915	897	914	898	911	871	929	889	911	891	902	879	914	893	924	7
8	903	914	896	918	899	906	866	934	876	924	887	903	883	907	895	925	8
9	907	916	907	916	898	912	871	929	879	932	882	904	874	905	896	930	9
10	935	923	923	923	900	921	862	925	883	942	880	908	871	900	896	934	10
11	935	923	918	912	900	921	859	927	889	916	892	892	876	895	902	931	11
Noon	938	915	913	919	900	919	867	933	876	924	896	880	856	918	903	927	Noon
13h	943	918	922	922	904	919	860	940	889	929	914	894	843	912	903	930	13h
14	933	913	917	925	880	920	860	940	886	910	911	889	854	909	900	931	14
15	934	907	914	921	879	904	862	938	886	921	896	882	843	924	897	931	15
16	923	910	912	919	910	915	863	937	887	913	893	883	849	921	900	929	16
17	914	906	904	910	908	911	867	933	893	915	879	914	852	900	897	925	17
18	906	906	903	917	898	910	878	922	893	916	872	919	856	900	900	923	18
19	905	905	903	915	893	910	873	927	890	915	875	917	848	921	895	922	19
20	907	907	900	914	877	915	872	928	886	914	883	911	846	911	893	924	20
21	903	906	903	917	882	900	874	925	881	912	889	908	850	910	894	924	21
22	904	909	900	915	887	913	868	932	876	910	891	907	859	927	893	923	22
23	900	915	900	911	884	911	878	922	883	907	891	907	863	915	893	923	23

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

MAY 1923.

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

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	8	5·5	7	2·7	8	2·0	5	2·9	7	3·1	9	5·8	8	4·6	9	2·9	9	1·9	8	1·7	8	0·6	3	3·1	4	2·7	2	1·6	4	1·3	2·6
1h	8	5·5	7	2·4	8	1·8	6	2·8	7	3·7	8	4·1	8	3·4	9	1·1	9	1·4	8	1·1	8	1·1	4	3·1	4	2·8	2	2·5	4	1·7	2·6
2	8	5·5	7	2·3	6	1·3	6	2·3	7	3·0	8	4·9	10	1·9	9	2·3	9	1·6	8	0·6	7	0·9	4	3·0	4	3·0	2	2·0	4	1·4	2·7
3	7	5·1	8	2·1	d 15	0·7	6	3·6	8	3·6	8	3·7	9	4·0	9	4·3	7	1·8	8	2·6	8	0·8	5	1·3	4	3·3	2	1·7	4	1·1	2·6
4	7	4·1	7	2·1	14	0·9	5	2·5	8	3·9	8	2·6	10	2·9	8	3·1	6	1·1	8	1·6	7	1·1	5	0·9	4	3·0	1	1·5	4	1·6	2·4
5	7	4·5	7	2·6	r 4	1·6	5	3·0	8	5·4	6	3·6	9	4·2	10	2·7	6	1·7	8	1·2	7	0·9	4	2·6	4	2·3	1	1·8	4	1·8	2·6
6	8	5·4	8	3·0	2	1·1	6	3·8	8	4·6	6	4·1	9	3·0	9	3·5	7	1·6	8	1·5	7	0·8	4	2·7	4	1·3	2	1·8	4	1·8	2·8
7	7	5·1	7	2·6	2	0·7	6	2·1	8	5·1	6	4·8	8	3·0	8	2·4	9	1·5	7	1·4	7	1·1	4	4·2	4	1·5	1	0·9	3	2·5	2·7
8	8	6·1	8	2·3	2	0·6	6	2·5	9	4·7	7	3·9	10	2·8	8	3·7	9	1·4	7	1·8	7	0·6	4	4·9	4	3·4	1	1·3	2	1·9	2·8
9	8	7·3	10	3·3	6	2·3	6	5·6	10	5·5	8	6·0	8	3·6	8	4·6	10	1·8	10	1·8	7	1·2	4	4·1	5	3·8	1	1·8	1	2·7	3·6
10	8	6·4	10	4·4	4	4·9	6	6·1	10	6·7	8	3·9	8	5·9	8	5·2	13	4·2	12	3·3	8	2·1	3	4·6	6	4·5	2	2·2	0	2·9	4·1
11	8	6·8	10	3·6	6	2·9	7	6·0	10	7·2	7	6·0	9	4·8	7	3·5	13	4·2	13	2·1	8	2·1	3	4·9	5	1·9	28	1·1	31	2·5	4·0
Noon	8	6·7	10	3·0	5	2·8	8	5·3	10	5·9	8	5·7	10	4·8	7	2·8	14	4·1	11	2·3	8	1·9	4	4·7	4	3·4	25	2·0	2	4·8	4·0
13h	8	5·5	11	3·1	6	2·9	8	4·7	8	6·5	8	4·7	10	5·6	9	2·7	14	4·7	12	3·1	9	1·9	4	5·7	6	3·1	18	1·5	1	5·8	4·0
14	8	6·3	10	3·7	5	2·4	8	6·0	9	6·2	7	4·9	10	5·5	11	3·3	14	3·5	11	3·0	4	2·9	4	5·7	3	1·7	20	1·6	1	4·7	4·1
15	8	5·7	10	3·8	5	2·6	8	5·4	9	6·0	7	5·3	9	5·2	10	4·1	15	3·5	11	2·5	1	2·1	4	5·4	5	2·5	25	1·8	2	6·2	4·0
16	8	4·6	10	2·8	5	2·9	7	4·3	8	6·3	7	5·4	9	4·4	10	3·1	14	2·5	11	2·2	d 11	1·8	4	5·3	4	1·8	26	1·9	2	5·5	3·7
17	8	4·6	9	2·8	6	2·9	8	4·5	9	3·6	7	4·4	8	4·3	10	3·8	14	1·5	10	1·1	11	1·4	4	4·7	6	1·7	d 3	2·5	0	4·8	3·1
18	8	3·4	9	2·5	6	1·5	7	2·9	9	3·5	7	4·8	8	4·1	10	3·5	12	0·8	9	1·7	7	1·0	4	3·1	6	1·8	3	3·4	0	4·4	2·7
19	8	3·3	9	1·5	6	2·7	8	3·6	8	3·2	7	3·6	7	2·5	10	2·6	12	0·7	9	1·5	5	1·2	4	3·9	5	1·8	3	3·0	2	5·6	2·6
20	8	3·0	8	1·0	6	2·7	6	3·7	8	3·9	6	5·2	6	2.6	10	2·0	12	1·0	8	1·4	3	2·7	4	4·0	4	2·0	3	2·0	1	5 5	2·8
21	8	3·4	8	1·8	6	2·8	6	3·7	8	4·7	6	4·1	8	4.0	10	2·8	10	0·7	9	1·7	0	1·8	4	3·7	3	2·2	3	1·4	1	5·1	2·8
22	7	2·6	9	1·5	6	2·4	7	3·3	8	4·6	6	4·0	8	3·3	9	1·8	10	1·0	8	1·5	4	1·9	4	4·6	2	2·6	3	1·1	3	4·9	2·7
23	7	2·6	6	1·9	6	2·8	7	3·8	8	6·2	7	3·7	8	3·4	10	2·2	8	1·5	8	1·1	3	1·9	4	3·2	2	1·9	3	1·1	2	4·0	2·7

d = direct ; r = retrograde. † one whole revolution direct.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MAY 1923.

Hour Ending \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	6·0	...	...	...	0·3	1·5	...	...	0·6	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	10·0	...	...	...	0·3	0·1	...	...	...	...	...	...	...
3	0·4	1·0	...	...	...	...	...	...	...	...	...	...	...	1·4	...	...	...	0·3	3·6	...	...	0·1	2·7	...	...	...	...	...	...	...	...
4	...	0·9	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	2·4	...	...	0·9	0·4	0·1	...	...	...	...	...	...	...
5	...	0·2	...	...	...	...	...	...	...	...	...	...	3·0	2·9	...	...	...	0·1	19·0	...	...	...	...	0·1	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	0·1	...	...	0·5	...	...	...	0·1	2·0	...	...	...	...	0·6	...	...	...	...	...	...	...
7	...	0·2	...	...	...	...	...	0·4	8·0	...	0·2	...	0·6	...	...	...	...	0·1	0·3	...	...	0·1	...	...	0·4	...	...	0·1	...	...	...
8	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	16·0	...	...	5·4	...	0·4	...	...	...	...	...	...	...
9	0·7	1·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·8	0·2	...	5·5	...	...	...	...	0·3	...	...	...	...
10	...	1·6	...	...	...	...	...	1·4	...	...	...	...	...	...	...	...	...	...	0·2	0·2	...	21·0	...	...	...	...	0·6	...	...	...	...
11	...	0·8	...	...	...	...	...	...	...	...	...	...	...	...	0·2	5.2	...	...	5·0	...	...	6·2	...	...	...	...	...	...	...	...	...
Noon	...	6·2	...	...	...	...	...	...	1·1	...	...	...	...	...	0·2	...	...	...	1·0	...	...	1·8	...	...	...	...	...	...	...	...	...
13h	...	4·0	...	...	...	...	...	...	0·2	...	...	...	...	...	0·2	...	...	...	0·3	...	...	13·2	...	0·3	...	...	...	...	...	...	...
14	...	1·1	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	0·7	...	...	0·4	...	30·0	...	...	...	...	...	...	...
15	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	0.3	...	1·0	...	...	0·9	...	12·5	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	0·2	...	0·1	...	1·4	...	...	0·7	...	5·5	...	0·1	0·6	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	...	...	...	0·3	0·1	0·4	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	2·0	0·1	0·3	...	0·1	0·1	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	0·2	...	...	...	...	...	...	0·1	...	0·4	...	0·1	0·1	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	0·1	...	...	...	...	...	...	0·4	...	0·1	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	2·5	...	...	...	...	...	...	...	...	0·1	0·9	0·1	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	0·5	...	...	0·1	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	0·1	...	2·1	...	...	...	2·7	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	...	...	...	4·7	...	...	...	...	...

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 1923.

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	11.39	289·5	92·5	20
	3	Belmont	50	13·90	353·0	80·8	17
	4	Poudre d'Or	20	12·44	316·0	78·2	18
	5	Mon Loisir (R.)§ ...	300	11·72	297·7	...	19
	6	Mon Loisir S. E. ...	300	13·90	353·1	127·5	18
	7	Forbach*	300	10·20	259·1	...	17
	8	Labourdonnais ...	290	8·88	251.0	114·8	15
	9	Beau Séjour	300	12·06	306·3	151.1	21
	10	Mont Piton	860	12·91	327·9	129·0	18
	11	Mon Choix	700	13·07	332·0	119·9	17
	12	Antoinette	640	13·70	348·0	152·1	19
	13	California	850	14·67	372·5	153·9	20
	14	Nouvelle Découverte ...	1,400	12·82	325.6	142·2	27
	15	Mon Songe	620	13·40	340·3	149·1	15
	16	La Grande Rosalie ...	643	12·31	312·5	132·6	18
	17	The Mount	325	13·24	336·3	104·9	16
	18	Botanic Gardens ...	325	12·59	319·8	108·2	22
	19	The Observatory ...	179	10·15	257·8	83·1	20
	20	Solitude	175	9·08	230·6	69·6	17
	21	St. André	90	9·68	245·9	87·4	18
	22	Belle Vue Harel* ...	350	11·55	293·4	...	21
	23	Mont Choisy*	10	9·82	249·4	...	13
	25	Esperance (Trébuchet)§	165	...	...	...	...
	28	Mon Rocher*	...	12·32	312·9	...	20
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station* ...	137	6·59	167·5	...	7
	48	Mapou Station* ...	296	10·39	264·0	...	13
	49	Poudre d'Or Station* ...	172	12·72	323·0	...	13
	50	Rivière du Rempart* ...	134	13·27	337·0	...	12
2 & 3	1	Union Régnard ...	600	15·99	406·1	184·4	26
	2	Constance d'Arifat L.G...	100	10·84	275·3	140·7	22
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	600	15·63	397·0	197·6	20
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	14·51	368·5	...	22
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)* ...	...	17·95	455.9	...	20
	9	Belle Vue (Allendy)* ...	...	15·87	403·6	...	17
	10	St. Julien E(K. Reetoo)*	...	14·69	373·0	...	16
4	1	Sans Souci	900	19·43	493·6	312·4	29
	2	Etoile	400	13·20	335·3	257·1	22
	3	Beau Champ	20	9·74	247·4	102·9	17
	4	Belle Rive*	400	16·88	428·7	...	24
	5	Olivia	400	15·28	388·1	182·4	28
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate* ...	...	9·56	242·8	...	23
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	16·91	431·8	...	31
5	1	Rose Belle*	850	21.42	544·1	...	24
	2	Riche-en-Eau	460	15·30	388·6	215·1	20
	3	Ferney	20	11·92	302·8	235·7	27
	4	Beau Vallon	60	9·93	252·0	144·8	14
	5	Union Vale	200	15.45	392·2	145·0	22
5 cont.	6	Mon Désert (Carié)* ...	75	11·08	281·4	...	20
	7	Cluny§	1,000	...	...	...	...
	8	Union Park*	...	25·29	642·4	...	26
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	20·92	531·4	361·7	25
	2	Tivoli*	1,300	26·91	683·5	...	27
	3	La Flora*	1,050	26·77	680·0	...	25
	4	Britannia	730	13·98	355·1	259·3	22
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin	300	11·54	293·0	152·1	25
	7	Union B.A.St.Félix S.E.	90	12·39	314·7	155·2	19
	8	Beau Bois	350	13·10	332·0	228·3	23
	9	St. Avold*	900	17·70	449·6	...	25
	10	Terracine§	100	...	...	...	...
	12	Bel Air*	...	9·68	245·9	...	18
	13	Chamouny*	...	30·83	783·1	...	19
	14	Union S. E.*	...	11·92	302·8	...	19
	15	Fontenelle*	...	12·20	309·9	...	18
	16	Combo*	...	14·85	377·2	...	17
	17	St. Felix (Wilson)* ...	...	12·89	327·4	...	22
	18	Choisy Estate*	...	12·16	308·7	...	19
7, 8 & 9	1	Bel Ombre	40	12.26	311·4	157·0	15
	3	Beau Champ*	...	10.83	275·1	...	11
	4	Board*	...	14.04	356.6	...	13
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10	...	No returns.	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	17·78	451·6	205·5	25
	3	Mare aux Vacoas ...	1,850	18·96	481·6	316·7	26
	4	La Marie Filter Bed ...	1,700	12·28	311·9	162·8	24
	5	Réunion	1,420	11·72	297·7	150·1	17
12	1	The Manse	850	5·23	132·8	68.3	21
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	82·4	209·3	76·5	29
	4	Alma	1,460	15·68	398.2	226·6	25
	5	Bagatelle	1,250	9·51	241·6	125·5	24
	6	Highlands*	1,300	15·18	385·6	...	22
	7	Trianon	950	7·01	178·0	95·2	21
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	2·52	64·0	...	8
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	8·14	206·7	94·2	26
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	10·56	268·2	...	17
	17	Mon Repos§	...	...	...	...	...
13	1	The Albion Dock ...	18	68·4	173·7	44·2	10

* Normals not available. § Record not Received.

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RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JUNE 1923

M. HERCHENRODER

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of JUNE 1923.

Month and Day. 1923.	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force (Unit 1 γ)	List of Earthquakes. Date.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
JUNE	° ′			′													
1	10.49·3	·22977	·30017	1·8	29	22	...	...	...	...	...	...	...	...	...	...	Repairs to basement; Instrument dismounted.
2	49·5	978	012	3·5	28	13											
3	49·8	981	010	2·2	18	18											
4	49·3	980	010	1·8	22	8											
5	49·6	970	008	2·0	28	14											
6	49·2	973	006	1·5	50	12											
7	49·3	973	...	1·9	19	...											
8	49·6	981	007	1·8	30	14											
9	49·4	981	007	3·0	19	18											
10	49·6	984	010	3·1	23	22											
11	49·6	996	012	2·2	51	14											
12	49·9	990	012	1·9	22	17											
13	49·9	976	019	5·2	62	19											
14	48·5	966	020	3·7	36	18											
15	49·2	965	023	3·2	32	10											
16	48·5	970	020	3·2	33	24											
17	48·9	972	020	1·9	29	18											
18	48·9	971	017	2·4	16	13											
19	48·9	974	016	2·3	19	21											
20	49·0	965	011	2·0	23	9											
21	48·8	966	010	3·3	40	6											
22	49·3	966	009	3·6	17	9											
23	49·2	972	005	4·6	12	29											
24	49·2	980	005	3·9	20	19											
25	48·6	981	003	3·9	30	23											
26	49·1	985	002	2·2	27	22											
27	48·9	981	006	3·2	50	11											
28	48·7	972	007	3·6	33	16											
29	48·7	973	007	2·5	22	10											
30	48·8	958	004	3·0	154	32											
31	...	..	...	...	...	...											
Mean	10·49·17	·22975	·30011	2.81	33.1	16·6	...	...	...	...	...	...	...	...	...	...	...

T=0·37796 : Mean Dip.=θ=52°.33′·87 (X=·22566 : Y=−·04313 : Z=·30011).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of JUNE 1923.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Horizontal Force (C.G.S. Unit) Observed Value.	Dip (South). A. M. Observations. Day and Hour.	Dip (South). A. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force. C. G. S. Units.	Dip (South). P. M. Observations. Day and Hour.	Dip (South). P. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
JUNE 8· 9· 0	10·50·23	JUNE 8· 9·40	·22995	JUNE 8·10 ·1	52.34·50	·29990	JUNE ...	...	...
18.11· 0	10·49·88	15.11·33	·22987	15·11·49	52·34·15	·30033	15·13·36	52·33·00	·30010
18·13·14	10·49·79	15·13·30	·22985	...	...	...	22·13·15	52·34·34	·30004
27.12·38	10·48·97	22· 9·34	·22973	...	...	...	27·13· 4	52·31·90	·30000
		22·12·41	·22963						

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

JUNE 1923.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	48·5	49·7	49·8	49·8	49·8	49·8	49·0	49·8	49·9	49·8	49·8	50·0	50·0	49·1	49·5	49·3	Midnight
1h	48·5	49·5	49·8	49·5	49·9	49·7	49·5	49·7	49·9	49·7	49·9	50·0	49·9	48·7	49·3	48·7	1h
2	48·3	49·5	49·5	49·6	49·7	49·5	49·3	49·5	49·8	49·7	49·8	50·0	49·9	49·2	49·0	48·5	2
3	48·5	49·5	49·5	49·3	49·6	49·5	49·3	49·5	49·8	49·8	49·7	49·9	49·8	48·5	49·5	48.3	3
4	48·5	49·2	49·6	49·2	49·7	49·3	49·2	49·5	49·6	49·7	49·5	49·9	49·7	48·0	48·7	48·9	4
5	48·7	49·5	49·6	49·3	49·5	49·2	48·4	49·3	49·5	49·7	49·5	49·9	49·7	48·0	47·5	48·7	5
6	48·8	49·2	49·7	49·2	49·7	49·2	48·9	49·3	49·5	49·3	49·3	49·8	49·8	47·3	48·5	48·3	6
7	48·6	49·1	49·0	48·7	49·5	48·7	48·5	49·0	49·2	49·0	49·0	49·5	47·8	47·1	47·8	46·7	7
8	49·0	49·3	48·9	49·2	49·7	48·4	48·3	49·1	49·5	49·0	48·7	49·5	48·0	47·2	47·8	47·0	8
9	49·7	49·8	49·5	49·3	49·0	49·0	49·4	49·7	50·1	49·7	49·1	49·9	49·5	48·0	49·3	48·0	9
10	49·9	49·8	50·3	49·3	49·8	49·8	49·5	50·1	50·3	50·4	50·0	50·3	49·5	48·0	48·7	49·0	10
11	50·0	49·3	50·4	49·1	50·3	49·8	49·5	50·4	50·3	51·3	50·7	50·4	49·0	47·5	49·2	49·5	11
Noon	49·8	49·0	50·6	49·1	50·3	49·5	49·3	50·5	50·0	50·5	50·0	50·6	50·0	47·0	49·3	49·0	Noon
13h	49·5	48·7	50·6	48·7	49·5	49·0	49·0	50·0	48·5	49·8	49·0	50·3	50·3	47·3	49·5	47·3	13h
14	49·6	48·5	50·3	48·3	49·0	48·7	48 7	49·8	47·3	48·9	48·8	50·0	49·3	47·5	49·5	47·3	14
15	49·2	48·5	49·9	48·5	48·3	48·7	50·2	49·0	47·5	48·3	48·5	49·3	49·0	48·0	49·3	47·2	15
16	49·5	48·6	49·3	48·7	48·7	48·3	49·5	48·7	47·7	48·2	49·0	48·7	49·5	48·2	48·7	47·5	16
17	49·8	49·3	49·5	49·4	48·7	49·2	49·0	49·3	48·7	49·0	49·7	49·3	50·3	49·5	49·3	48·5	17
18	49·9	49·8	49·8	49·9	49·7	49·2	49·5	49·9	49·7	49·5	50·1	49·8	51·8	50·7	50·5	49·7	18
19	49·8	49·9	51·1	50·1	49·9	49·5	49·5	49·8	49·8	49·7	50·2	50·1	51·5	50·3	50·7	49·8	19
20	49·9	52·0	50·0	50·1	49·9	49·5	49·8	49·8	49·8	49·8	49·9	50·1	53·0	50·0	50·3	49·9	20
21	50·0	49·9	49·9	50·1	50·0	49·5	49·8	49·9	49·7	49·8	50·0	50·2	50·7	50·2	49·5	49·8	21
22	50·1	49·8	49·8	50·0	49·9	49·7	49·5	49·8	49·5	49·8	50·0	50·0	50·2	49·2	49·3	49·0	22
23	49·7	49·7	49·8	49·9	49·7	49·7	49·1	49·8	49·5	49·7	49·8	49·8	49·8	49·0	49·1	48·7	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	49·3	49·1	49·3	49·1	49·8	49·5	49·8	49·8	49·9	49·5	49·5	49·3	49·8	48·8	...	49·5	Midnight
1h	49·2	49·2	48·7	48·8	49·3	49·3	49·5	49·8	50·0	49.8	49·5	49·2	49·7	48·7	...	49·4	1h
2	48·7	49·0	48·7	48·7	49·5	49·1	49·3	49·7	49·5	49·5	49·3	49·0	49·7	48·6	...	49·3	2
3	48·7	49·0	48·7	48·5	48·8	49·3	49·1	49·5	49·0	49·5	49·5	49·3	49·5	48.5	...	49·2	3
4	48·7	48·7	48·7	48·7	48·2	48·7	49·1	49·0	48·2	49·3	49·3	48·5	49·3	48·5	...	49·0	4
5	48·5	48·8	48·7	48·7	48·0	48·5	49·1	48·7	47·8	49·0	49·0	48·7	49·5	48·3	...	48·9	5
6	48·5	48·5	48·7	48·5	48·0	48·5	48·8	48·5	47·5	48·9	48·8	48·7	49·3	48·5	...	48·8	6
7	48·0	48·0	48·7	48·5	47·0	48·0	48·5	48·7	47·0	48·5	48·0	47·5	48·8	48·1	...	48·4	7
8	48·0	47·8	48·5	48·1	47·0	47·9	48·3	48·3	47·3	48·7	47·8	47·3	48·7	47·7	...	48·3	8
9	48·5	47·8	48·8	48·5	48·3	49·3	49·3	49·0	47·8	49·0	48·2	46·7	48·3	48·5	...	48·9	9
10	48·5	48·7	49·2	48·9	58·7	51·0	51·3	50·0	48·3	50·0	48·7	47·5	47·8	49·0	...	49·4	10
11	48·7	49·3	48·3	49·2	48·7	51·5	52·9	51·9	49·9	50·0	48·7	48·0	48·0	48·1	...	49·7	11
Noon	49·2	49·3	47·9	49·1	48·5	51·0	52·5	52·2	50·9	49·5	48·5	48·3	47·8	47·5	...	49·6	Noon
13h	49·5	49·5	48·2	49·5	48·3	50·0	48·7	50 5	48·0	48·3	47·8	48·3	47·7	47·8	...	49·0	13h
14	49·1	49·2	48·1	48·7	48·0	48·7	47·0	48·0	47·3	48·0	47·3	47·8	47·5	48·0	...	48·5	14
15	48·2	48·7	47·9	48·3	47·8	47·5	46·7	46·7	46·8	47·8	47·5	47·8	47·3	48·2	...	48·2	15
16	48·7	48·2	47·9	48·4	48·0	47·5	46·3	46·7	47·2	48·0	47·8	48·3	47·8	47·9	...	48·3	16
17	49·3	49·0	49·2	49·0	49·2	48·5	48·0	48·2	48·0	48·8	49·3	49·5	48·7	48·7	...	49·1	17
18	49·8	50·0	49·8	49·8	49·8	49·5	48·7	49·0	48·8	49·5	50·2	50·2	49·6	49·5	...	49·8	18
19	49·9	50·2	50·2	50·2	50·0	49·7	49·3	49·3	49·2	50·0	50·5	50·3	49·7	50·3	...	50·0	19
20	49·8	49·8	49·9	50·3	50·3	49·8	49·8	49·3	49·3	49·5	50·0	50·2	49·3	50·0	...	50·1	20
21	49·5	49·3	49·8	49·8	50·0	49·7	49·9	49·5	49·5	49·3	49·2	49·8	49·0	50·0	...	49·8	21
22	49·3	49·3	49·7	49·7	50·0	49·8	49·8	48·7	49·8	49·0	49·8	49·3	48·7	50·5	..	49·6	22
23	49·0	48·7	49·3	49·5	49·8	49 5	49·3	48·7	49·0	49·3	49·3	49·0	48·5	50·5	...	49·4	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).

JUNE 1923.

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	080	066	071	078	072	064	079	069	080	078	083	086	090	053	057	063	Midnight
1h	080	069	073	084	077	065	064	072	077	081	083	086	103	067	054	064	1h
2	081	071	074	085	081	066	067	072	077	079	083	086	111	063	067	066	2
3	081	072	074	091	087	067	067	073	077	078	082	087	116	058	063	067	3
4	080	075	077	092	084	067	069	077	078	078	083	088	107	060	062	068	4
5	080	078	081	087	084	072	076	081	080	077	084	088	085	062	065	069	5
6	080	077	083	087	086	073	075	082	082	080	088	088	092	062	064	067	6
7	081	082	084	091	084	078	074	085	088	084	096	092	080	067	065	073	7
8	081	086	087	095	071	084	078	087	090	087	102	093	089	076	071	074	8
9	082	087	089	091	069	093	082	091	091	088	108	094	102	069	069	074	9
10	080	087	088	086	073	092	083	095	092	089	112	097	096	079	068	076	10
11	082	094	089	089	063	098	083	099	089	095	124	102	082	083	082	076	11
Noon	093	094	086	072	067	099	081	099	084	097	133	103	079	081	086	077	Noon
13h	090	087	083	083	071	093	078	089	083	094	121	103	093	077	083	090	13h
14	086	084	087	076	069	085	079	082	081	093	123	102	087	071	080	092	14
15	077	083	087	068	055	069	079	076	078	085	109	094	060	064	061	084	15
16	067	075	081	067	045	064	072	072	073	074	092	085	059	070	064	076	16
17	067	070	079	073	062	068	070	075	075	077	088	081	062	071	054	063	17
18	068	073	084	076	067	067	071	078	077	079	088	082	058	063	059	064	18
19	067	074	080	074	066	060	066	078	076	082	087	083	035	059	057	061	19
20	066	072	079	067	064	053	067	077	077	081	087	082	031	053	056	059	20
21	064	070	077	068	064	049	067	074	077	082	084	082	044	047	055	062	21
22	068	069	077	071	064	059	068	074	078	082	086	084	040	067	056	061	22
23	067	071	077	071	064	059	069	074	079	080	087	087	044	059	067	060	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	060	061	065	069	054	060	068	074	078	076	083	064	066	064	...	070·4	Midnight
1h	061	063	066	068	051	061	068	074	077	076	084	064	068	067	...	071·6	1h
2	062	065	068	067	056	063	068	073	080	077	087	067	069	073	...	073·4	2
3	064	068	068	069	054	062	067	074	078	077	089	066	072	077	...	074·2	3
4	065	069	073	069	059	068	068	074	080	078	089	079	075	078	...	075·6	4
5	068	068	072	072	067	067	072	078	082	079	093	079	075	084	...	076·8	5
6	071	072	074	073	068	069	073	078	083	082	095	078	076	087	...	078·2	6
7	074	072	077	074	072	072	072	083	084	086	101	083	077	090	...	080·7	7
8	078	071	082	074	083	073	075	086	091	093	104	079	077	094	...	083·7	8
9	083	073	078	076	087	074	074	088	096	094	102	084	077	105	...	085·7	9
10	085	074	082	075	076	074	073	093	097	095	102	086	078	113	...	086·5	10
11	087	072	079	065	076	073	072	093	095	095	098	090	083	107	...	087·2	11
Noon	088	074	084	063	089	071	069	087	086	097	096	083	084	114	...	087·2	Noon
13h	089	077	084	063	086	063	067	086	085	103	094	079	085	097	...	085·8	13h
14	085	076	084	064	069	066	066	084	083	103	095	078	079	100	...	083·6	14
15	079	077	075	062	064	064	067	077	075	097	083	076	078	087	...	076·3	15
16	073	071	065	057	060	059	071	074	067	091	062	069	075	064	...	069·8	16
17	071	070	068	062	049	057	074	074	073	078	059	067	069	033	...	068·0	17
18	071	073	074	064	054	058	078	077	077	079	057	065	069	010	...	068·7	18
19	067	072	074	059	055	064	078	076	078	077	056	059	067	011	...	065·9	19
20	064	069	073	054	062	064	077	076	078	076	054	057	065	023	...	063·9	20
21	065	068	070	053	062	064	076	077	078	077	055	058	066	035	...	063·3	21
22	064	067	071	055	064	065	075	077	077	078	056	059	065	041	...	064·5	22
23	063	067	068	053	064	068	075	078	076	079	061	064	063	015	...	066·0	23

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

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

JUNE 1923.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	022	016	014	014	012	011	Registering Light failed.	009	008	011	012	013	014	021	023	023	Midnight
1h	021	014	012	013	010	011		009	009	011	011	013	012	022	022	023	1h
2	019	014	012	013	009	011		009	009	012	012	013	011	021	020	023	2
3	018	014	012	013	009	010		011	009	012	012	013	011	021	021	023	3
4	017	012	012	012	008	010		009	009	012	013	013	011	021	021	023	4
5	019	012	011	012	008	009		007	009	012	013	015	017	022	021	023	5
6	023	013	011	012	007	009		005	009	012	013	016	018	023	023	022	6
7	023	011	010	006	007	006		004	007	011	011	013	015	023	021	021	7
8	023	012	013	011	010	006		006	009	012	012	014	018	022	022	022	8
9	023	016	018	013	012	006		009	011	015	014	015	022	022	023	025	9
10	023	014	019	011	010	007		012	011	018	016	015	021	021	027	025	10
11	023	011	018	008	009	003		009	010	019	015	013	021	021	025	019	11
Noon	021	008	013	008	012	—001		007	006	013	009	010	023	017	021	011	Noon
13h	010	008	009	009	005	—001		001	—003	004	002	005	020	011	020	001	13h
14	001	006	003	006	—001	—001		—002	—007	000	003	000	013	009	019	002	14
15	002	003	001	008	—002	—001		000	—007	—003	004	000	012	010	018	012	15
16	005	004	003	007	002	—001		001	—002	001	011	006	015	015	019	018	16
17	010	008	007	009	006	003		006	008	010	015	011	017	020	021	022	17
18	014	013	001	010	009	006		009	011	012	016	016	022	023	025	023	18
19	016	014	003	011	010	009		009	010	012	015	017	024	024	026	024	19
20	017	014	006	007	010	009		009	010	012	014	017	030	025	027	025	20
21	018	014	009	011	011	009		009	010	011	013	016	026	026	027	025	21
22	020	015	012	013	011	010		009	010	011	011	016	025	027	028	025	22
23	018	016	015	012	011	010		009	009	011	011	014	024	023	027	025	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	021	019	016	016	011	011	009	007	004	006	003	005	008	008	...	012·7	Midnight
1h	021	018	015	014	011	011	009	007	005	005	002	005	007	006	...	012·0	1h
2	020	018	013	014	011	010	009	007	005	005	002	005	006	004	...	011·6	2
3	019	017	013	013	010	010	009	008	006	005	003	004	005	003	...	011·5	3
4	019	017	012	012	009	009	009	008	006	006	003	003	004	003	...	011·1	4
5	019	017	012	011	008	008	009	008	007	006	004	006	005	003	...	011·5	5
6	019	017	011	011	008	007	009	008	007	007	005	007	006	004	...	011·8	6
7	019	015	010	010	007	005	007	005	006	005	003	005	006	003	...	010·2	7
8	020	016	011	011	009	007	009	005	006	005	004	005	009	003	...	011·4	8
9	021	019	014	011	011	011	012	006	006	004	009	008	011	005	...	013·5	9
10	021	021	017	012	013	013	012	008	005	—001	006	010	011	001	...	013·8	10
11	022	023	018	007	012	013	011	009	001	—005	004	009	009	—002	...	012·2	11
Noon	021	023	016	008	011	012	000	005	—003	—011	003	009	008	—009	...	009·3	Noon
13h	019	017	011	011	009	009	—013	—001	—012	—013	001	000	006	—007	...	004·8	13h
14	019	013	006	010	009	005	—017	—010	—014	—010	001	—004	001	—011	...	001·7	14
15	016	011	005	009	007	004	—011	—006	—009	—005	005	—001	001	—010	...	002·5	15
16	015	010	008	009	009	005	—003	—001	—001	001	009	006	005	—003	...	006·0	16
17	017	013	023	011	011	009	003	005	006	006	011	011	007	003	...	010·7	17
18	020	016	025	012	012	011	007	008	009	009	012	012	009	009	...	013·1	18
19	021	017	025	012	012	011	007	007	008	009	012	012	009	013	...	013·8	19
20	022	017	025	012	012	009	008	006	008	008	011	012	009	014	...	014·0	20
21	023	018	025	013	011	009	007	005	007	007	010	011	010	018	...	014·1	21
22	022	021	026	013	010	009	006	005	006	006	010	011	009	021	...	014·4	22
23	021	021	026	014	011	008	006	005	005	005	008	009	009	019	...	013·9	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1923.

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.	Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0–10.)
JUNE	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1014·5	+ 3·3	22·7	17·1	5·6	19·4	— 1·9	2·9	14·2	— 2·9	72	— 5	16·1	9·6	0·0	...	3·5	4·9
2	1014·6	+ 3·3	23·0	16·2	6·8	19·3	— 1·9	1·8	16·0	— 1·0	81	+ 4	18·0	11·4	0·6	20	1·1	6·2
3	1013·6	+ 2·2	23·4	16·9	6·5	19·7	— 1·5	1·7	16·6	— 0·3	82	+ 5	18·7	13·0	3·0	25	4·0	3·8
4	1012·4	+ 0·9	23·9	18·9	5·0	20·6	— 0·5	2.3	16·5	— 0·4	78	+ 1	18·6	15·4	0·8	15	3·6	4·7
5	1011·8	+ 0·3	24·5	18·9	5·6	21·5	+ 0·4	2·1	17·8	+ 1·0	80	+ 3	20·2	13·3	0·0	...	3·5	4·4
6	1011·6	0·0	25·6	20·0	5·6	21·9	+ 0·8	1·4	19·4	+ 2·7	86	+ 9	22·3	16·0	7·0	65	1·3	6·3
7	1012·9	+ 1·2	24·5	18·3	6·2	20·1	— 0·9	2·9	1·49	— 1·8	72	— 5	16·8	8·3	0·0	...	4·6	1·7
8	1014·0	+ 2·2	22·8	12·0	10·8	17·3	— 3·6	1·3	14·9	— 1·7	86	+ 9	16·8	7·1	0·0	...	4·5	1·5
9	1014·6	+ 2·7	24·0	14·8	9·2	19·4	— 1·5	1·6	16·5	0·0	84	+ 8	18·6	13·5	0·0	...	3·2	8·4
10	1015·1	+ 3·1	23·9	17·8	6·1	20·1	— 0·7	2·9	14·9	— 1·5	72	— 4	16·8	16·1	0·0	...	3·2	7·5
11	1014·2	+ 2·1	23·0	16·4	6·6	19·0	— 1·7	1·8	15·7	— 0·7	81	+ 5	17·7	7·6	0·0	...	1·3	5·6
12	1013·4	+ 1·2	24·7	14·8	9·9	19·2	— 1·5	2·9	14·0	— 2·3	72	— 4	15·8	7·6	0·0	...	3·5	4·7
13	1013·0	+ 0·7	23·7	12·9	10·8	18·6	— 2·0	1·5	15·9	— 0·3	84	+ 8	17·9	9·4	4·0	95	8·0	4·8
14	1012·6	+ 0·2	22·9	15·7	7·2	19·8	— 0·8	2·1	16·0	— 0·2	79	+ 3	18·0	12·5	0·0	...	4·5	2·3
15	1012·3	— 0·1	24·1	13·3	10·8	18·7	— 1·9	1·9	15·2	— 0·9	80	+ 4	17·1	8·7	0·0	...	4·4	1·7
16.	1012·8	+ 0·3	23·9	15·2	8·7	20·1	— 0·4	1·7	17·1	+ 1·0	83	+ 7	19·3	11·6	0·0	...	3·5	2·7
17	1011·8	— 0·8	24·1	16·1	8·0	20·7	+ 0·2	1·3	18·4	+ 2·4	87	+ 11	21·0	13·2	0·7	15	5·3	5·5
18	1010·6	— 2·1	23·8	19·4	4·4	21·3	+ 0·9	1·3	19·0	+ 3·1	87	+ 11	21·8	17·6	6·5	100	3·5	6·6
19	1009·8	— 3·0	25·0	16·9	8·1	21·2	+ 0·8	1·8	18·0	+ 2·1	82	+ 6	20·4	13·0	3·0	65	6·1	3·5
20	1010·0	— 2·9	22·4	19·1	3·3	20·9	+ 0·5	1·2	18·8	+ 2·9	88	+ 12	21·5	14·3	22·2	90	1·5	7·9
21	1013·9	+ 0·9	22·1	13·2	8·9	18·8	— 1·5	2·8	13·7	— 2·1	72	— 4	15·5	9·4	0·0	...	5·0	2·0
22	1015·9	+ 2·8	22·3	14·0	8·3	18·1	— 2·2	3·1	12·4	— 3·4	69	— 7	14·3	9·2	0·0	...	4·2	3·3
23	1015·5	+ 2·3	22·3	13·5	8·8	18·4	— 1·8	2·2	14·4	— 1·4	78	+ 2	16·3	8·6	5·4	30	3·7	5·2
24	1014·0	+ 0·7	23·2	18·4	4·8	20·3	+ 0·1	3·1	14·8	— 1·0	71	— 5	16·7	15·7	0·5	20	3·0	4·4
25	1014·3	+ 1·0	22·6	18·0	4·6	19·9	— 0·3	1·6	17·0	+ 1·3	83	+ 7	19·2	15·6	1·3	40	2·8	5·4
26	1014·2	+ 0·8	23·1	18·4	4·7	20·4	+ 0·3	2·6	15·8	+ 0·1	75	— 1	17·8	15·9	0·2	10	1·7	4·1
27	1014·0	+ 0·5	23·2	17·0	6·2	20·6	+ 0·5	2·3	16·5	+ 0·8	77	+ 1	18·6	15·0	0·0	...	3·4	3·3
28	1012·7	— 0·9	23·1	17·9	5·2	20·3	+ 0·2	1·9	16·9	+ 1·2	81	+ 5	1·90	15·9	1·2	15	4·5	3·5
29	1011·1	— 2·5	23·1	18·0	5·1	20·1	0·0	1·3	17·8	+ 2·1	87	+ 11	20·2	15·7	5·2	55	1·2	5·7
30	1010·5	— 3·2	23·9	16·7	7·2	19·9	— 0·2	1·2	17·7	+ 2·0	87	+ 11	20·1	13·4	43·2	365	3·1	7·6
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1013·1	+ 0·6	23·5	16·5	7·0	19·8	— 0·8	2·0	16·2	0·0	79·9	+ 3·6	18·4	12·5	104·8	1025	3·6	4·6
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
	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 1923.

The weather of June was wet though in a lower degree than that of the preceding month.

Pressure underwent large and regular fluctuations; a well marked negative wave was observed between the 17th and 21st.

Air Temperature was generally below normal: 0.8 degree below in the mean. On the 8th a very marked drop was observed and a range of 10.8°C registered for the day.

Relative Humidity was above normal for nearly the whole of the month but very variable.

Wind Velocity was generally below normal: 147.6% of normal rainfall was registered at the Observatory; but the distribution was very uneven.

The percentage variation for the other Districts is given below:

Northern Districts	River System 1,	1 % below	Western Districts	River System 11	27 % below
Eastern Districts	,, ,, 2, 3, 4.	1 % ,,		,, ,, 12	26 % ,,
South-Eastern Districts	,, ,, 5 & 6	25 % ,,		,, ,, 13	Nil

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1923

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
JUNE	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	5·1	47	— 2·1	+ 2·7	52	3·4	4·1	+ 0·7	25·6	25·9	24·9	...	...	23·2	23·5	c.f : c. : f. : c.d. : .
2	7·5	69	— 1·3	+ 3·5	70	3·7	3·8	+ 0·4	25·6	25·9	24·8	...	...	22·7	22·2	o. d. : c.f. : .
3	8·4	77	— 0·8	+ 3·1	75	3·2	3·2	— 0·2	25·7	25·9	24·7	...	...	22·6	22·1	c. p. : f.b. : .
4	7·4	68	— 0·7	+ 3·5	79	3·5	3·7	+ 0·3	25·6	26·1	24·4	...	...	22·5	22·1	c. p. : f . .
5	7·9	73	— 0·4	+ 2·7	82	2·7	2·8	— 0·6	25·4	26·0	24·3	...	...	22·6	22·4	f. : c. f. : f. : c.
6	2·5	23	— 0·9	+ 1·4	57	1·6	1·9	— 1·6	25·6	25·7	24·2	...	...	23·3	23·0	o. : c. : o.p. : f. .
7	10·0	92	— 2·0	+ 1·7	40	2·6	2·7	— 0·8	25·6	25·7	24·2	...	...	23·2	23·1	f.b. .
8	9·5	88	— 0·9	+ 1·4	57	1·6	1·8	— 1·7	25·4	25·7	24·1	...	...	22·4	21·8	f.b. .
9	3·1	29	— 0·9	+ 1·5	59	1·7	1·9	— 1·6	25·5	25·5	24·0	...	...	22·3	22·1	f. . o. : c.f. : o. .
10	4·1	38	— 0·6	+ 1·2	63	1·3	1·5	— 2·0	25·5	25·5	24·0	...	...	22·8	22·8	o. : c.f. .
11	0·7	7	— 0·6	+ 1·4	67	1·5	1·6	— 1·9	25·4	25·4	23·9	...	...	22·6	22·3	c. : f. .
12	3·3	31	— 1·6	+ 1·1	35	1·9	2·3	— 1·2	25·5	25·4	23·8	...	...	22·3	22·1	: c. : c.f. : f. .
13	7·1	66	— 0·9	+ 2·7	72	2·8	2·9	— 0·6	25·6	25·4	23·7	...	...	22·0	21·4	f . : o. r. ; c. .
14	10·0	92	— 0·9	+ 3·3	75	3·4	3·4	— 0·1	25·4	25·4	23·7	...	...	22·2	22·0	. f. .
15	6·5	60	— 0·8	+ 0·9	48	1·2	1·4	— 2·1	25·4	25·3	23·7	...	...	21·8	21·4	f . b. : c.f: f .
16	9·7	89	— 1·0	+ 2·2	66	2·4	2·6	— 0·9	25·4	25·4	23·6	...	...	22·2	22·1	c.d. . f . .
17	6·2	57	— 0·2	+ 3·3	86	3·3	3·4	— 0·1	25·4	25·4	23·5	...	...	22·2	21·9	f. : c. p: c. .
18	4·8	44	+ 0·9	+ 2·7	108	2·8	3·0	— 0·5	25·4	25·2	23·5	...	...	22·6	22·4	c. p. : c. : o.r.: c : c. f.
19	8·9	82	+ 1·0	+ 1·6	122	1·9	2·1	— 1·5	25·4	25·2	23·5	...	...	22·4	22·5	: c. p: c.f. : c : f. .
20	0·0	0	+ 1·1	+ 1·4	52	1·8	2·3	— 1·3	25·4	25·1	23·5	...	...	22·8	22·7	f. : d: o. r. : o. :
21	10·1	93	— 2·6	+ 2·4	43	3·5	3·6	0·0	25·4	25·1	23·5	...	...	22·4	22·1	.
22	6·7	62	— 1·4	+ 2·6	62	3·0	3·1	— 0·5	25·3	25·1	23·4	...	...	21·6	20·9	c. f. .
23	7·8	72	— 0·4	+ 2·5	81	2·5	2·7	— 0·9	25·4	25·1	23·3	...	...	21·3	20·8	c. f. : o.r .
24	9·6	88	— 0·2	+ 5·0	88	5·0	5·0	+ 1·4	25·4	25·1	23·2	...	...	21·6	21·2	: c. f : c. d .
25	6·9	64	— 0·2	+ 4·3	87	4·3	4·4	+ 0·8	25·4	25·1	23·0	...	...	21·6	21·4	c. p. : c. : c. f . .
26	8·8	81	— 0·7	+ 4·4	81	4·4	4·5	+ 0·9	25·4	25·0	23·0	...	...	21·7	21·5	c. f. d. : c.f. .
27	9·8	90	— 0·8	+ 4·0	79	4·1	4·1	+ 0·5	25·3	24·9	22·9	...	...	21·8	21·6	f . .
28	9·5	88	— 0·6	+ 4·0	81	4·0	4·0	+ 0·4	25·3	24·8	22·9	...	...	21·9	21·8	c p. : f. : .
29	5·6	52	— 0·1	+ 2·6	88	2·6	2·8	— 0·8	25·3	24·8	22·9	...	...	22·1	21·8	c. d : c.f. c.r. .
30	3·0	28	— 0·4	+ 1·0	68	1·1	1·3	— 2·3	25·4	24·7	22·9	...	...	22·3	22·2	o. r. : c. f .
31	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...
Mean	6·68	61·7	—0·77	+2·53	73·1	2·64	2·93	—0·59	25·45	25·36	23·70	...	...	22·30	22·04	...
Average	7·45	68·3	—1·45	+2·62	61·0	3·00	3·52	...	24·45	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 1923.

Element	Highest			Date		Lowest			Date	
Atmospheric Pressure	1016·8 m.b.s.	at	9h	on	22nd	1008·3 m.b.s.	at	4h & 5h	on	20th
Temperature of the Air	25·°6C	at	11·15h	on	6th	12·°0C	at	7h	on	8th
Daily range of temperature of the Air...	10·8°C		...	on	8th 13th & 15th	3·°3C		...	on	20th
Temperature of the Dew Point	22·1°C	at	11h	on	20th	10·°8C	at	3h	on	8th
Daily range of temperature of the Dew Point	8·7°C		...	on	8th	1·°9C		...	on	25th
Relative humidity...	100·0%		often			54·6%	at	15h	on	10th
Wind Velocity	7·9 m.p.s.	at	12h	on	24th	0·6 m.p.s.		often		
Rainfall	47·1 mm.	ending	16h	on	30th					
Temperature of the soil at 3 ins. ...	24·8°C	at	15h	on	7th	19·°3C	at	9h	on	22nd
,, ,, at 6 ins. ...	23·°8C	at	18h & 21h	on	6th	20·°8C	at	9h & 12h	on	23rd
Duration of sunshine	10·1h		...	on	21st	0·0h		...	on	20th
Amount of Evaporation	8·0 mm.		...	on	13th	1·1 mm.		...	on	2nd
Vapour Tension	22·3 mbs		...	on	6th	14·3 m.b.s.		...	on	22nd
Minimum on Grass						7·°1C		...	on	8th

Number of Days Overcast 4, Clear 6, of Rain 16, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 21·°47C, Average 22·°26C. Mean Night Temperature of Air 18·°24C, Average, 18·°74C.

* South (0°); East (90°); North (180°); West (270°). † Thermometers 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 1923.

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	0137	0153	0147	0133	0125	0118	0125	0144	0147	0151	0153	0139	0141	0127	0132	0131	Midnight
1h	0138	0151	0142	0131	0122	0116	0122	0141	0144	0150	0151	0136	0139	0124	0131	0129	1h
2	0137	0145	0137	0126	0120	0112	0121	0139	0142	0149	0146	0131	0132	0124	0129	0124	2
3	0135	0142	0136	0124	0117	0106	0119	0136	0136	0144	0141	0130	0130	0120	0122	0126	3
4	0135	0142	0133	0125	0117	0105	0121	0135	0135	0146	0142	0127	0130	0120	0121	0125	4
5	0135	0143	0131	0124	0117	0103	0118	0136	0134	0143	0140	0125	0127	0119	0117	0125	5
6	0140	0146	0134	0126	0118	0106	0124	0141	0146	0147	0142	0130	0131	0122	0122	0126	6
7	0146	0148	0143	0128	0122	0112	0128	0146	0148	0151	0146	0134	0133	0128	0122	0130	7
8	0152	0154	0144	0129	0125	0118	0134	0152	0154	0159	0148	0138	0138	0134	0126	0136	8
9	0159	0159	0147	0133	0129	0129	0139	0155	0158	0167	0158	0145	0144	0139	0134	0140	9
10	0159	0161	0146	0131	0128	0126	0139	0153	0158	0167	0156	0144	0144	0140	0134	0142	10
11	0154	0158	0142	0128	0125	0119	0138	0148	0156	0163	0148	0142	0138	0138	0128	0138	11
Noon	0148	0146	0136	0124	0117	0116	0133	0142	0148	0158	0143	0136	0129	0132	0123	0128	Noon
13h	0142	0141	0141	0117	0112	0113	0124	0131	0140	0149	0144	0126	0123	0124	0115	0123	13h
14	0135	0135	0134	0111	0107	0111	0117	0126	0136	0145	0128	0122	0117	0118	0110	0115	14
15	0135	0135	0126	0110	0104	0107	0115	0125	0135	0138	0125	0122	0121	0117	0107	0117	15
16	0136	0143	0123	0111	0106	0106	0118	0126	0137	0137	0125	0121	0118	0117	0111	0116	16
17	0137	0142	0127	0113	0109	0111	0121	0131	0137	0141	0127	0125	0122	0117	0113	0118	17
18	0141	0136	0131	0117	0113	0116	0126	0135	0143	0143	0132	0128	0123	0117	0117	0123	18
19	0147	0140	0133	0125	0117	0120	0132	0139	0148	0147	0140	0133	0127	0125	0122	0127	19
20	0153	0144	0138	0127	0116	0121	0137	0145	0155	0153	0143	0142	0131	0128	0127	0128	20
21	0152	0147	0137	0128	0123	0127	0145	0146	0158	0160	0145	0145	0133	0132	0130	0131	21
22	0153	0148	0137	0130	0123	0126	0147	0147	0157	0158	0146	0146	0133	0133	0133	0132	22
23	0156	0150	0137	0127	0115	0125	0145	0150	0152	0157	0143	0146	0132	0133	0133	0132	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	0131	0120	0104	0103	0126	0157	0165	0144	0143	0145	0151	0145	0122	0107	...	1013.6	Midnight
1h	0129	0117	0101	0094	0122	0155	0162	0140	0144	0143	0149	0141	0117	0105	...	1013.3	1h
2	0125	0112	0099	0091	0120	0151	0160	0134	0138	0136	0144	0136	0113	0101	...	1012.9	2
3	0122	0106	0096	0084	0119	0149	0157	0134	0136	0135	0141	0131	0110	0100	...	1012.6	3
4	0117	0102	0091	0083	0119	0149	0156	0135	0134	0136	0139	0126	0110	0096	...	1012.5	4
5	0116	0103	0090	0083	0122	0151	0156	0135	0136	0136	0127	0124	0111	0096	...	1012.4	5
6	0115	0103	0092	0085	0128	0153	0158	0139	0141	0135	0140	0124	0113	0103	...	1012.8	6
7	0119	0108	0098	0091	0136	0159	0164	0143	0144	0142	0142	0129	0108	0104	...	1013.2	7
8	0125	0115	0104	0096	0143	0163	0164	0147	0149	0147	0148	0133	0114	0110	...	1013.7	8
9	0132	0117	0109	0104	0150	0168	0170	0154	0154	0152	0154	0139	0129	0115	...	1014.3	9
10	0130	0118	0108	0106	0153	0167	0169	0153	0155	0153	0153	0140	0128	0117	...	1014.3	10
11	0125	0115	0105	0104	0150	0165	0165	0148	0152	0150	0149	0137	0124	0114	...	1013.9	11
Noon	0118	0108	0098	0100	0143	0161	0158	0140	0144	0143	0141	0129	0114	0108	...	1013.2	Noon
13h	0109	0101	0091	0089	0138	0155	0148	0132	0138	0137	0132	0117	0104	0097	...	1012.5	13h
14	0105	0095	0088	0086	0135	0152	0144	0129	0142	0128	0126	0114	0101	0093	...	1012.0	14
15	0103	0091	0086	0094	0134	0152	0142	0128	0128	0126	0124	0112	0097	0097	...	1011.8	15
16	0104	0094	0086	0094	0134	0154	0142	0131	0132	0129	0123	0113	0102	0096	...	1012.0	16
17	0106	0096	0089	0103	0139	0157	0144	0134	0134	0137	0128	0117	0104	0098	...	1012.3	17
18	0110	0098	0093	0107	0143	0158	0147	0138	0139	0141	0131	0117	0103	0103	...	1012.6	18
19	0112	0102	0097	0110	0150	0162	0149	0141	0145	0147	0137	0121	0106	0107	...	1013.0	19
20	0115	0106	0102	0113	0152	0164	0153	0144	0151	0150	0141	0125	0111	0110	...	1013.4	20
21	0120	0111	0105	0121	0157	0166	0153	0150	0151	0153	0146	0126	0113	0113	...	1013.7	21
22	0122	0113	0106	0126	0160	0166	0152	0147	0152	0154	0147	0127	0114	0113	...	1013.8	22
23	0123	0108	0104	0127	0157	0165	0147	0145	0151	0152	0145	0126	0113	0112	...	1013.7	23

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

Hour. \ Day.	JUNE 1923.																															
	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	8	7	7	2	7	2	0	3	10	6	3	0	4	0	4	1	7	3	1	2	2	3	9	4	5	3	5	6	9	...	4·2
1h	1	9	8	2	2	9	5	0	5	10	8	1	0	4	0	3	3	7	4	1	1	2	4	8	4	5	3	6	6	9	...	4·3
2	2	9	8	6	2	9	4	0	7	10	9	5	1	3	0	3	3	7	1	2	1	2	3	7	5	4	2	4	5	9	...	4·4
3	8	9	6	7	2	10	4	0	9	10	9	4	1	4	1	8	0	5	3	4	1	2	3	6	4	4	1	8	3	10	...	4·9
4	5	8	6	7	3	10	3	0	9	10	9	7	0	4	0	5	3	4	1	5	0	2	3	5	5	5	3	4	3	10	...	4·6
5	4	8	8	9	7	7	0	0	10	10	8	8	1	4	0	4	4	4	2	6	1	2	5	4	5	4	3	3	4	10	...	4·8
6	9	7	8	8	6	8	1	1	10	10	7	9	3	3	1	8	4	5	0	7	1	4	5	2	10	3	4	2	4	10	..	5·3
7	8	7	6	4	7	6	1	2	10	9	8	4	3	3	0	6	6	6	0	9	2	4	4	1	5	5	3	2	5	10	...	4·9
8	7	7	4	7	7	6	2	2	10	7	8	5	3	2	0	3	8	9	2	9	3	3	3	1	5	5	2	3	5	10	...	4·9
9	3	6	3	8	3	6	2	3	10	9	9	5	6	1	0	3	4	10	3	10	3	2	3	2	8	5	3	3	7	10	...	5·0
10	3	6	4	6	4	6	3	3	8	10	8	5	6	1	0	3	8	8	3	10	2	1	2	4	6	6	3	3	7	6	...	4·8
11	3	6	4	6	5	5	3	3	6	10	8	6	5	1	1	2	9	8	2	10	2	1	2	3	6	6	2	5	7	7	...	4·8
Noon	3	6	5	6	5	10	2	5	5	10	8	7	4	2	2	1	9	9	2	10	2	5	3	3	7	6	2	4	7	7	...	5·2
13h	2	7	3	6	3	9	2	3	6	8	7	7	3	3	4	1	8	8	3	10	1	3	5	2	7	6	3	4	6	9	...	5·0
14	5	5	3	3	4	8	2	3	7	7	5	7	5	3	5	2	6	9	5	10	1	5	6	4	7	5	3	4	7	10	...	5·2
15	6	6	0	3	4	8	2	2	9	6	3	6	7	3	7	1	5	10	5	10	1	5	6	3	6	4	4	4	7	10	...	5·1
16	6	5	0	3	3	7	1	2	9	6	2	6	8	2	7	1	6	8	6	10	1	4	5	3	6	3	4	3	5	9	...	4·7
17	7	4	0	2	2	7	0	1	9	5	2	6	10	2	6	2	7	7	6	10	1	2	5	4	4	3	3	2	4	9	...	4·4
18	7	4	0	2	2	5	0	2	9	5	2	5	10	1	4	2	9	7	7	10	1	3	4	4	4	4	3	2	3	8	...	4·3
19	8	3	0	3	5	3	1	1	10	3	1	3	10	1	0	1	6	5	8	10	4	5	10	7	2	2	5	2	6	6	...	4·4
20	7	3	0	2	6	2	1	1	10	3	1	1	9	1	0	0	6	4	8	10	4	6	10	7	2	2	7	2	7	3	...	4·2
21	3	3	0	2	7	2	1	0	10	3	2	1	9	2	0	0	7	6	8	9	6	6	10	8	5	1	4	2	8	0	...	4·2
22	4	5	2	2	7	1	0	0	10	4	2	1	7	1	2	0	6	3	2	9	4	5	10	4	6	3	4	3	8	1	...	3·9
23	4	7	5	2	8	1	0	1	10	4	3	1	5	0	2	1	5	2	1	7	2	3	10	5	6	3	5	4	9	0	...	3·9

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

Hour* Ending \ Day.	JUNE 1923.																															
	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	0	0	0	15	4	0	0	0	0	18	4	17	0	2	0	15	0	5	0	0	3	0	0	0	0	2	0	...	1·4
8	0	25	42	8	2	9	59	31	0	2	0	0	35	60	59	38	30	22	60	0	59	57	13	59	50	59	48	59	35	0	...	15·4
9	45	50	60	8	22	20	60	60	10	30	0	4	59	60	60	59	42	47	60	0	60	60	55	60	24	60	60	55	22	2	...	20·2
10	40	33	60	59	60	40	60	60	0	4	4	34	56	60	60	59	55	49	60	0	60	60	55	60	50	60	60	60	43	60	...	23·7
11	32	42	60	58	56	48	60	60	15	0	22	12	50	60	60	60	30	40	60	0	60	60	60	60	50	60	60	60	25	60	...	23·0
Noon	18	58	60	49	55	17	60	60	60	8	12	27	48	60	60	60	17	5	60	0	60	55	60	60	55	60	60	60	8	25	...	21·6
13h	60	60	60	47	55	0	60	60	60	2	4	17	60	60	47	60	45	8	60	0	60	35	50	50	20	60	60	60	52	35	...	21·8
14	46	52	30	60	52	0	60	60	15	30	0	17	50	60	14	60	48	35	40	0	60	25	37	60	45	57	60	50	49	0	...	19·5
15	8	47	25	40	55	10	60	60	8	49	0	15	32	60	12	60	48	35	59	0	60	29	25	55	17	55	60	59	47	0	...	18·2
16	40	42	49	59	59	6	60	60	8	57	0	57	6	60	0	60	45	6	47	0	60	20	60	55	55	50	57	55	15	0	...	19·1
17	20	39	50	52	57	0	43	54	12	58	0	14	12	50	2	59	12	42	12	0	55	2	55	54	47	8	55	50	36	0	...	15·8
18	0	0	6	6	0	0	0	0	0	4	0	0	0	3	0	6	0	1	0	0	8	0	0	2	0	1	5	2	3	0	..	0·8
19	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 200·5 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 1923.

Day. / Hour.	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	18·2	2·1	17·9	1·9	17·9	0·9	19·1	1·4	19·7	1·9	21·2	1·3	21·2	2·6	13·1	1·1	Midnight
1h	17·6	...	17·3	...	17·8	...	19·2	1·5	19·5	1·6	21.1	1·2	21·5	2·8	13·0	...	1
2	18·2	...	17·9	...	17·6	...	19·2	1·4	19·2	1·3	21.3	1·3	21·3	2·8	13·0	...	2
3	18·3	2·1	17·2	1·2	17·9	0·9	19·1	1·2	19·1	1·8	21.5	1·4	19·9	2·0	12·8	1·0	3
4	17·5	...	16·3	...	17·3	...	19·0	1·1	18·9	1·4	21·5	1·2	18·8	1·9	12·9	...	4
5	17·9	...	16·7	...	16·9	...	19·1	1·2	19·4	1·3	21.4	1·1	18·7	2·0	13·1	...	5
6	18·1	3·8	16·7	1·6	16·9	0·0	18·9	1·2	19 8	1·5	21·2	0·9	18·6	2·3	13·1	1·1	6
7	18·6	...	17·2	...	17·6	...	19·2	1·2	20·9	2·0	21·3	1·0	19·2	2·6	12·0	...	7
8	19·2	...	19·1	...	19·6	...	20·0	1·9	21.3	1·4	22·7	1·8	20·1	2·9	14·0	...	8
9	21·1	3·6	20·8	2·9	21·7	2·9	21·2	1·9	23·5	3·3	23·9	2·7	21·1	3·0	18·0	0·1	9
10	20·9	...	21·9	...	22·3	...	22·3	3·0	23·7	3·4	24·6	2·5	22·7	4·7	19·2	...	10
11	21·7	...	22·6	...	22·8	...	22·6	3·8	24·1	3·7	25·5	3·0	23·6	4·5	20·8	...	11
Noon	21·9	2·1	22·3	3·7	22·6	2·7	23·9	4·4	23·8	3·3	23·8	1·1	23·9	3·9	22·2	2·2	Noon
13h	21·8	...	21·9	...	23·1	...	23·4	4·1	23·8	3·0	23·2	0·9	24·2	4·5	22·1	...	13h
14	21·3	...	21·6	...	22·1	...	23·6	3·9	23·9	3·0	22·1	0·6	23·0	4·0	22·0	...	14
15	20·6	4·1	21·1	1·9	22·0	2·8	23·1	3·9	24·0	3·4	22·1	1·0	23·7	5·2	22·5	1·7	15
16	21·1	...	20·9	...	21·8		22·7	3·9	23·6	3·2	22·1	1·2	23·1	5·0	22·0	...	16
17	20·4	...	20·2	..	20·7	...	21·6	2·9	22·6	2·2	22·0	1·1	21·6	3·9	21·0	...	17
18	19·9	4·3	19.3	0·8	19·4	1·5	19·8	1·6	21·2	0·9	21·2	1·2	19·5	3·0	19·3	2·4	18
19	19·7	...	19·1	...	18·7	...	19·5	1·9	20·4	0·9	20·0	0·7	17·5	1·4	19·1	...	19
20	19·0	...	19·0	...	18·2	...	19.3	2·1	20·5	1·5	20·6	1·9	16·7	1·4	17·7	...	20
21	17·3	1·1	19·0	1·0	18·6	1·8	19·5	2·0	20·8	1·2	20·9	2·0	15·9	1·3	17·1	1·6	21
22	17·7	...	19·0	...	18·9	...	19·0	1·8	21·0	1·3	20·8	1·8	15·1	1·2	16·8	...	22
23	18·0	...	18·9	...	18·9	...	19·0	1·9	21·2	1·7	20·7	1·6	15·0	1·3	16·7	...	23

Day. / Hour.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	16·3	1·3	19·1	2·0	17·2	1·7	15·7	1·2	14·7	1·2	19·0	0·8	16·1	1·2	15·9	0·9	Midnight
1h	15·9	...	19·1	...	17·5	...	15·8	...	14·6	...	19·0	0·9	16·1	1·4	16·5	0·6	1h
2	15·5	...	18·9	...	17·7	...	15·9	...	14·5	...	19·0	1·0	15·3	1·2	17·2	0·1	2
3	15·2	1·0	18·7	2·1	17·8	1·7	15·9	1·0	14·3	1·1	18·9	1·2	14·5	1·3	18·4	0·3	3
4	15·6	...	18·6	...	17·7	...	16·1	...	14·0	...	19·0	1·4	14·3	1·1	18·2	0·2	4
5	16·0	...	18·8	...	17·5	...	17·0	...	14·1	...	19·0	1·5	14·2	1·1	18·3	0·4	5
6	16·6	1·4	18·9	1·7	17·2	1·6	17·2	1·2	14·0	1·1	18·8	1·5	13·6	1·4	18·5	0·7	6
7	16·3	...	18·8	...	18·1	...	17·1	...	14·3	...	18·7	1·6	14·1	1·2	18·7	0·8	7
8	18·3	...	19·3	...	19·1	...	18·3	...	15·9	...	20·3	2·1	18·5	1·4	20·3	1·2	8
9	20·6	3·0	21·7	3·4	20·2	1·5	21·0	4·2	21·5	2·5	21·9	3·0	21·6	2·4	22·5	2·4	9
10	21·5	...	22·1	...	22·1	...	21·3	...	21·9	...	22·2	3·4	22·9	3·6	23·0	3·3	10
11	22·3	...	22·8	...	22·6	...	22·3	...	22·8	...	22·7	3·7	23·5	4·4	23·5	3·6	11
Noon	23·2	1·4	23·0	5·0	22·6	2·2	23·2	5·0	23·3	3·7	22·7	3·9	23·7	4·0	23·9	4·0	Noon
13h	23·5	...	23·1	...	22·7	...	24·0	...	23·5	3·8	22·7	4·1	24·1	4·0	23·9	4·0	13h
14	23·3	...	23·5	...	22·7	...	24·1	...	23·3	3·5	22·6	3·5	23·5	3·4	23·7	4·1	14
15	22·3	1·3	23·3	5·6	22·8	1·9	23·9	4·9	21·9	2·3	22·3	3·3	23·3	2·8	23·6	3·4	15
16	21·6	...	22·8	...	22·3	...	23·3	...	21·6	1·9	21·6	3·3	23·0	2·9	23·0	3·4	16
17	21·0	...	21·8	...	20·3	...	21·9	...	20·3	1·1	20·9	2·8	21·7	1·8	21·9	2·6	17
18	20·5	2·0	20·2	2·0	18·6	2·0	20·4	3·0	19·1	0·4	19·5	1·6	20·0	1·1	20·2	1·5	18
19	20·3	...	19·1	...	17·3	...	19·7	...	19·0	0·6	18·4	1·4	18·7	1·4	19·1	1·0	19
20	20·0	...	18·6	...	16·5	...	18·7	...	19·0	0·5	17·7	1·5	17·9	1·5	18·9	1·0	20
21	19·8	2·0	17·3	1·9	15·7	1·5	17·3	2·1	19·1	0·8	16·9	1·0	17·1	0·9	18·9	1·3	21
22	19·5	...	17·0	...	15·5	...	16·5	...	19·1	1·0	15·9	0·8	16·3	1·2	17·2	1·1	22
23	19·2	...	16·9	...	15·7	...	15·3	...	19·1	1·0	16·5	0·8	15·9	1·0	16·9	0·3	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 1923

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	17·7	0·6	20·2	0·9	19·5	1·7	19·7	0·5	19·2	1·3	14·9	1·6	16·2	2.2	19·3	2·6	Midnight
1h	17·9	0·3	20·3	0·8	19·3	1·8	20·4	0·4	18·8	1·6	14·3	1·2	15·8	2·2	19·3	3·0	1h
2	19·0	0·8	20·1	0 8	18·7	1·6	20·7	0·6	19·2	1·2	14·1	1·2	16·2	1·9	19·3	3·2	2
3	18·1	0·8	20·4	0·7	19·1	1·6	20·3	0·4	19·7	2·4	15·0	1·4	15·6	1·5	19·1	2·3	3
4	17·7	0·7	20·1	1·0	18·7	1·8	20·9	0·3	18·4	1·4	15·8	1·9	13·6	1·2	19·0	2·4	4
5	17·5	0·6	20·1	0·7	17·6	1·4	20·8	0·3	18·0	1·1	14·6	1·4	14·6	1.4	19·1	3·0	5
6	17·3	0·5	20·1	1·0	17·3	1·3	21·2	0·3	18·9	1·8	15·1	2·0	16·1	1·3	18·9	2·8	6
7	19·3	1·0	20·0	1·0	17·1	1·3	21·3	0·2	19·1	2.1	15·2	2·3	16·7	1·4	19·1	2·8	7
8	21·1	0·8	21·5	0·9	21·0	1·8	21·4	0·0	20·0	2·9	18·7	3·1	17·2	0·7	20·2	3·3	8
9	22·3	1·8	22·8	1.3	22·8	2.6	21·7	0·0	21·2	3·9	20·6	4·6	20·2	3·5	21·9	4·2	9
10	22·9	2·2	23·1	1·9	23·2	2·5	22·3	0·2	21·4	4·1	21·8	5·5	21·2	4·7	21·9	3·6	10
11	22·7	1·8	22·6	1·4	23·6	2·7	22·1	0·0	21·8	4·3	22·0	5·3	21·3	4·7	22·5	4·3	11
Noon	23·1	1·7	22·6	1·6	23·6	2·7	21·9	0·2	22·1	5·1	21·9	5·0	21·9	4·8	22·9	4·4	Noon
13h	23·7	2·9	22·7	1·0	24·3	3·0	21·1	1·3	21·9	5·2	21·9	5·2	22·0	4·8	22·3	4·3	13h
14	23·5	2·4	22·6	1·1	24·3	3·1	21·3	1·7	21·8	5·0	21·4	4·7	21·5	3·3	22·6	4·5	14
15	23·6	2·7	21·8	1·1	24·3	3.0	21·2	2·9	21·3	5·0	21·6	5·3	19·6	1·7	22·0	3·8	15
16	23·0	2·6	22·6	1·5	23·8	2·6	20·9	2·6	20·7	5·5	20·0	3·9	20·9	3·7	21·8	3·9	16
17	22·0	1·5	22·1	1·8	23·1	2·2	20·2	2·5	19·3	4·0	20·1	4·0	20·3	3·0	21·0	3·8	17
18	21·6	1·2	21·2	1·3	22·2	1.3	20·1	2·3	17·7	2·7	17·3	2·4	19·2	1·0	19·9	3·0	18
19	20·8	1·1	21·1	1·5	21·7	1·0	20·3	2·6	15·9	2·2	16·9	2·0	18·0	1·1	19·2	1·9	19
20	20·5	0·7	20·9	1 5	21·3	1·0	20·4	3·0	14·6	1·5	16·7	1·7	18·0	0·9	19·0	1·6	20
21	20·5	0·8	21·0	1·7	21·3	0·7	20·4	2·5	15·1	1·4	17·9	1·8	17·9	0·3	19·1	1·9	21
22	20.1	0·7	20·2	1·6	20·3	0·5	20·3	1·8	13·8	1·0	17·9	2·6	17·9	0·6	19·1	2·0	22
23	20·0	0·8	20·0	1·9	19·7	0·7	19·6	1·5	13·7	0.8	18·0	2·9	18·2	0·9	19·0	2·3	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	18·9	1·6	19·7	1·8	19·0	2·1	19·8	1·9	19·0	1·5	19·2	1·3	...	...	18·2	1·6	Midnight
1h	18·9	1·1	19·4	1·4	19·1	1·6	19·5	1·9	18·9	1·3	19·1	1·3	..	...	18·1	1·4	1h
2	18·7	1·3	19·1	1·5	18·9	1·8	19·3	2·0	18·8	1·5	19·7	1·6	...	...	18·1	1·5	2
3	18·5	0·7	19·0	1·5	18·9	1·0	18·5	0·6	18·8	1·5	19·9	1·7	..	...	18·0	1·3	3
4	18·9	0·8	18·9	1·4	18·5	1·4	18·3	0·8	18·9	1·2	20·0	1·5	...	...	17·8	1·3	4
5	18·7	1·0	18·9	1·7	18·1	1·3	18·1	0·8	18·5	1·3	19·9	1·5	...	...	17·8	1·4	5
6	18·7	0·7	19·0	1·7	17·6	0·5	18·0	0·4	19·0	0·7	19·6	1·3	...	...	17·8	1·3	6
7	19·0	1·1	19·0	1·5	18·3	1·0	18·9	0·7	18·9	0·9	19·3	1·3	...	...	18·1	1·1	7
8	20·5	1·8	20·5	2·3	19·9	1·6	20·2	1.5	20·0	0·7	19·3	1·4	...	...	19·6	1·3	8
9	21·2	2·2	21·9	2·8	21·9	3·0	22·0	3·2	20·7	0·9	20·0	1·5	...	...	21·5	2·7	9
10	20·9	2·1	21·9	3·0	22·6	3·9	22·1	2·9	22·1	1·6	21·8	1·3	...	...	22·1	2·7	10
11	21·5	2·6	23·1	4·2	22·9	4·0	22·2	2·9	21·8	1·3	22·9	2·1	...	...	22·6	3·0	11
Noon	22·1	3·3	2·31	4·4	23·2	3·9	22·3	2·8	22·0	1·5	23·1	2·2	...	...	22·9	3·2	Noon
13h	21·0	1·8	23·0	3·9	22·9	3·7	22·8	3·1	21·9	1·6	23·6	2·3	...	...	22·9	3·3	13h
14	22·1	2·5	22·5	4·0	23·1	3·8	22·7	3·0	21·3	1·2	21·2	1·1	..	...	22·6	3·1	14
15	21·1	2·1	22·5	3·7	22·8	3·7	23·1	3·5	21·5	1·5	20·5	0·7	...	...	22·3	3·0	15
16	20·9	1·7	21·9	3·9	22·1	2·8	22·2	2·9	21·5	2·0	20·5	0·8	...	...	22·0	3·1	16
17	20·9	2·3	21·3	3·5	21·4	2·3	21·5	2·6	21·2	1·9	20·0	1·0	...	...	21·1	2·6	17
18	19·5	1·6	20·1	2·6	20·6	1·7	20·3	1·4	20·2	1·3	20·1	0·7	...	...	19·9	1·8	18
19	19·1	1·1	19·3	2·3	20·3	1·5	19·9	1·8	19·3	1·0	19·6	0·8	...	...	19·2	1·6	19
20	19·0	1·0	19·2	2·3	20·6	1·8	19·1	1·1	19·2	0·8	18·5	1·0	...	...	18·8	1·7	20
21	19·0	1·1	19·1	2·5	20·6	2·3	19·2	1·1	19·1	0·8	18·0	1·0	...	...	18·6	1·4	21
22	19·1	1.2	19·1	2·2	20·5	2·4	18·7	1·1	19·3	0·6	17·0	0·9	...	...	18·3	1·6	22
23	18·9	1·1	18·9	2·1	20·0	1·9	19·0	1·2	19·3	0·8	17·1	0·9	...	...	18·2	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.)

JUNE 1923.

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	858	917	892	918	890	924	889	927	890	924	886	914	876	910	887	909	Midnight
1h	866	907	891	921	900	923	886	934	888	918	895	922	878	914	891	909	1h
2	972	906	885	924	890	924	893	933	892	918	894	915	880	920	888	912	2
3	879	909	888	912	891	912	900	920	894	915	891	921	884	907	889	911	3
4	882	912	892	908	890	915	891	921	893	916	892	918	884	907	890	910	4
5	868	913	886	922	890	914	906	927	904	918	892	918	886	903	888	912	5
6	876	915	888	918	887	933	888	930	904	919	894	915	886	903	892	908	6
7	881	913	885	915	888	930	895	925	893	917	894	913	882	908	888	912	7
8	873	918	880	930	889	927	886	935	889	926	889	911	891	904	894	906	8
9	859	941	886	934	892	940	892	939	894	931	893	916	873	927	895	905	9
10	854	946	887	964	889	954	900	959	900	957	894	931	876	936	890	915	10
11	866	951	886	969	900	944	889	956	900	946	897	913	876	924	885	924	11
Noon	846	954	886	968	889	954	900	967	910	947	903	886	873	927	896	921	Noon
13h	854	946	878	954	900	949	900	950	900	946	910	908	859	941	894	930	13h
14	859	941	878	953	889	952	891	943	900	944	905	912	861	939	892	938	14
15	972	941	879	950	891	943	900	961	900	941	900	939	869	931	894	931	15
16	866	934	883	941	892	937	888	958	892	937	893	917	865	935	888	931	16
17	868	932	892	939	894	929	891	942	900	923	897	907	881	919	893	916	17
18	873	927	891	945	893	915	892	920	897	914	886	906	885	915	897	906	18
19	869	931	889	929	892	919	886	921	893	916	879	909	890	910	897	907	19
20	894	928	886	935	892	919	896	920	894	914	872	911	894	906	889	911	20
21	890	924	895	925	895	924	886	921	893	916	876	910	892	908	891	909	21
22	885	915	900	938	888	931	891	921	893	916	889	908	891	909	883	907	22
23	879	921	890	924	890	925	891	921	890	923	883	911	887	913	883	907	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	885	906	885	906	895	903	886	914	892	919	886	936	892	918	885	907	Midnight
1h	893	915	890	904	890	914	886	914	888	918	883	941	894	913	891	912	1h
2	890	908	891	904	891	909	889	917	890	914	889	926	892	908	892	910	2
3	885	907	894	906	888	909	890	914	890	915	889	928	892	908	889	929	3
4	885	906	888	912	896	906	888	919	890	915	889	927	891	909	893	917	4
5	887	906	883	911	895	907	885	915	891	913	887	932	889	911	893	916	5
6	895	905	900	906	887	913	882	912	893	910	890	923	888	918	895	912	6
7	890	908	900	906	900	912	876	910	890	910	891	922	890	915	907	901	7
8	885	910	900	907	893	915	890	908	894	906	895	926	893	909	896	919	8
9	892	906	898	910	896	906	887	913	896	919	891	946	890	914	886	936	9
10	886	921	897	908	892	918	892	911	895	924	889	955	892	918	883	941	10
11	888	930	906	914	900	925	888	900	900	941	900	955	896	921	893	936	11
Noon	889	929	890	924	908	920	892	892	900	937	900	952	896	918	886	936	Noon
13h	900	926	895	926	889	926	900	882	895	926	891	945	890	892	889	955	13h
14	892	938	896	918	891	922	884	876	894	931	889	955	896	891	890	950	14
15	900	935	891	921	900	922	882	882	890	951	900	949	899	894	884	939	15
16	895	922	895	926	894	914	880	920	900	934	892	940	893	901	887	934	16
17	900	918	893	917	895	912	878	922	886	934	887	934	892	918	886	922	17
18	900	907	894	914	894	915	885	915	886	935	892	918	886	922	889	911	18
19	898	912	896	906	895	911	867	933	886	935	893	917	887	913	989	911	19
20	894	908	893	909	894	913	878	922	891	943	893	916	895	904	880	913	20
21	889	911	889	911	893	915	870	930	880	948	894	914	896	904	885	910	21
22	883	911	890	910	891	909	882	918	892	920	892	919	896	904	892	903	22
23	885	907	888	909	883	917	885	915	884	940	892	920	891	907	888	905	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 1923.

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	891	921	890	925	908	920	901	907	892	908	893	909	887	913	900	952	Midnight
1h	892	919	900	923	904	918	903	915	886	910	894	903	885	915	889	955	1h
2	894	914	900	925	904	918	907	916	877	915	890	900	895	912	887	963	2
3	891	913	900	927	904	919	905	911	872	919	888	900	895	905	890	951	3
4	892	918	900	923	904	918	905	907	885	910	892	920	894	904	900	939	4
5	891	922	900	931	900	928	907	910	890	908	893	916	893	905	900	956	5
6	892	937	900	931	900	918	913	913	876	916	891	921	900	915	900	953	6
7	896	920	900	925	897	916	905	903	872	928	888	912	897	917	894	928	7
8	889	926	909	922	896	910	906	904	864	936	882	918	895	911	900	953	8
9	900	928	910	925	900	919	893	916	856	944	883	942	892	920	900	958	9
10	900	957	918	927	911	927	889	917	856	944	877	956	892	939	900	966	10
11	900	944	918	927	925	925	892	881	853	947	887	963	900	944	900	965	11
Noon	913	934	920	930	928	928	894	892	855	945	888	957	908	940	900	979	Noon
13h	923	955	924	936	930	912	872	928	851	949	882	944	900	943	900	970	13h
14	900	972	917	943	927	911	862	925	855	945	873	941	923	934	900	960	14
15	900	949	918	943	937	915	865	923	848	952	884	940	905	923	900	962	15
16	900	943	922	932	923	910	850	933	861	939	881	947	891	942	900	957	16
17	900	944	909	922	911	917	861	939	871	929	882	927	887	933	900	943	17
18	907	934	908	920	907	909	882	900	888	912	889	916	890	915	900	936	18
19	900	936	911	927	905	912	889	927	892	908	891	909	886	922	894	927	19
20	900	927	910	923	902	906	883	925	894	902	888	912	892	920	895	925	20
21	900	934	910	924	907	915	878	922	892	902	884	916	900	923	900	938	21
22	892	919	910	924	902	908	885	910	892	908	877	923	900	935	900	933	22
23	891	921	908	918	902	910	890	907	889	911	880	920	890	950	894	931	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	Day. \ Hour.
Midnight	894	929	900	942	882	927	900	932	888	930	896	910	...	...	890	919	Midnight
1h	894	928	900	943	889	929	887	932	895	925	894	914	...	...	891	920	1h
2	891	922	900	948	889	929	883	941	880	930	896	910	.	...	894	920	2
3	891	921	900	926	889	926	889	927	894	929	896	909	...	...	891	917	3
4	892	940	894	931	893	917	890	924	895	926	895	911	...	...	892	917	4
5	900	952	883	941	883	926	887	934	893	916	895	912	...	...	891	920	5
6	900	931	900	939	887	932	890	923	893	934	878	900	...	...	892	920	6
7	900	949	892	939	886	935	891	922	896	920	891	907	...	...	892	918	7
8	900	944	891	942	886	936	893	936	893	916	892	908	...	...	891	921	8
9	910	947	891	943	892	939	900	951	892	938	908	908	...	...	892	929	9
10	900	971	900	961	890	951	900	958	900	927	900	919	...	...	892	939	10
11	900	962	900	965	890	950	900	965	907	932	907	910	...	...	895	938	11
Noon	900	959	900	964	887	962	887	965	905	923	912	912	...	...	895	937	Noon
13h	900	952	900	961	900	960	900	963	923	935	906	904	...	...	895	937	13h
14	891	946	887	966	889	953	900	968	922	933	900	915	...	...	892	937	14
15	900	954	886	967	889	954	900	954	908	939	889	900	...	...	896	937	15
16	892	941	900	957	888	957	900	949	908	940	900	923	...	...	891	935	16
17	900	945	894	929	900	943	900	944	906	929	894	913	...	...	892	928	17
18	900	938	891	946	900	937	900	938	900	923	889	907	...	...	893	920	18
19	900	928	889	927	900	932	895	924	904	921	889	907	...	...	892	920	19
20	900	940	893	934	900	944	889	928	891	922	897	913	...	...	892	920	20
21	900	950	886	936	900	944	895	924	893	915	896	909	...	...	892	921	21
22	900	950	881	928	893	933	895	926	891	921	887	919	...	...	891	919	22
23	900	934	886	922	907	932	895	925	894	915	892	908	...	...	890	919	23

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

JUNE 1923.

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

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	2·3	6	2·7	10	2·2	9	0·7	4	1·1	5	1·1	4	1·9	8	5·2	7	3·0	8	4·2	5	3·2	8	3·2	6	3·2	6	1·1	...	...	2·4
1h	6	2·1	8	2·3	9	1·8	9	1·5	3	1·7	2	0·7	4	2·1	7	5·6	7	2·9	8	4·3	6	3·1	6	3·4	7	2·6	6	1·5	...	...	2·4
2	6	1·5	8	2·5	9	1·8	10	1·8	3	2·7	0	1·0	6	1·3	7	6·4	6	2·4	8	4·8	6	3·1	6	4·4	6	3·2	6	1·1	...	...	2·3
3	5	1·6	8	2·7	9	1·9	10	1·2	3	3·4	0	1·2	4	0·7	7	5·2	6	2·3	8	2·6	6	2·8	6	2·9	7	3·0	6	1·0	...	...	2·1
4	6	2·0	8	2·3	9	1·8	11	0·9	3	1·8	6	2·2	3	0·7	8	3·9	7	4·1	7	3·2	6	1·9	6	2·6	7	2·7	6	1·2	...	...	2·0
5	6	2·4	8	3·1	8	2·8	11	1·2	3	1·3	6	1·8	3	0·9	8	5·6	8	5·2	6	4·4	5	3·1	6	3·6	6	1·8	6	1·3	...	...	2·4
6	7	3·8	8	3·1	8	1·8	12	1·8	3	2·9	6	2·3	8	1·5	8	5·3	8	3·1	8	3·9	6	3·4	6	2·5	7	3·5	0	2·2	...	...	2·4
7	7	2·0	8	2·5	7	1·6	13	0·6	4	4·0	4	1·7	7	1·7	7	2·9	8	4·9	7	4·0	6	3·8	6	2·4	7	2·0	3	1·1	...	...	2·1
8	6	2·8	10	2·4	6	1·1	13	0·7	4	5·2	4	2·5	6	1·2	8	5·3	8	4·4	7	4·3	6	3·9	7	3·7	6	1·8	4	1·1	...	...	2·4
9	8	2·8	10	2·7	8	1·9	r 6	1·8	4	6·3	6	4·5	6	2·2	8	5·8	9	4·8	7	4·4	7	4·0	8	5·1	7	3·9	12	1·1	...	...	3·2
10	8	5·7	11	3·2	10	2.9	25	2·0	4	6·3	6	6·1	7	4·0	8	6·6	8	7·1	8	6·1	7	5·2	8	5·8	8	2·7	8	1·9	...	...	4·2
11	8	4·4	11	3·2	12	3·6	26	2·1	4	6·7	7	6·4	8	4·4	8	6·5	8	6·2	8	6·5	7	5·1	8	6·5	9	3·3	11	1·2	...	...	4·2
Noon	10	3·6	11	3·6	12	4·0	27	1·0	4	6·4	7	5·8	9	4·1	8	7·9	8	5·9	8	6·4	7	6·3	7	6·6	9	2·4	12	1·7	...	...	4·3
13h	10	6·0	11	4·3	14	3·2	d 4	4·0	4	7·0	6	4·8	8	4·3	8	7·0	8	5·2	8	6·1	8	6·0	8	6·3	11	4·2	13	0·7	...	...	4·3
14	8	7·2	10	4·6	14	2·9	3	4·6	4	6·4	5	4·9	11	4·1	8	6·0	7	4·7	7	6·7	7	5·4	8	6·8	11	4·0	8	1·5	...	...	4·4
15	8	4·9	10	4·7	14	4·0	3	4·2	4	7·4	6	4·3	9	2·4	8	6·2	8	5·4	7	6·8	7	5·5	8	5·4	9	4·0	0	1·1	...	...	4·3
16	8	4·3	11	3·9	14	2·5	3	6·0	4	5·6	6	5·1	7	4·3	8	5·7	7	4·2	8	5·7	7	5·8	8	4·9	9	4·1	8	2·3	...	...	4·0
17	8	4·4	10	2·4	11	2·0	4	5·5	4	4·1	5	3·3	6	3·5	8	4·3	8	4·5	7	3·0	8	4·3	8	4·4	9	3·0	6	1·4	...	...	3·1
18	9	3·5	10	2·2	11	1·1	0	1·8	4	1·7	5	1·9	5	1·8	8	3·6	8	3·8	7	4·7	8	3·7	8	3·8	8	2·3	7	0·7	...	...	2·3
19	8	3·6	10	2·9	10	1·3	6	2·9	4	1·1	4	1·3	5	2·6	7	2·8	8	2·8	6	2·9	8	3·2	7	2·5	9	2·2	7	0·7	...	...	2·3
20	8	2·7	10	2·5	10	0·6	5	3·0	2	0·6	4	1·7	6	2.2	7	2·6	8	4·0	7	3·5	8	4·4	6	3·0	6	2·4	7	1·3	...	...	2·2
21	8	3·4	10	2·6	10	1·7	4	3·1	1	0·8	4	2·3	8	2.3	8	3·8	8	5·0	6	3·9	8	4·4	7	2·5	6	1·7	6	1·0	...	...	2·5
22	6	2·1	10	2·6	9	0·8	3	1·8	4	1·1	4	3·3	8	3·5	8	3·3	8	5·0	5	3·4	7	3·4	7	2·7	6	2·3	5	2·3	...	...	2·3
23	6	2·3	10	2·0	9	1·0	3	1·2	4	1·6	4	2·8	7	5·1	7	3·2	8	3·4	5	2·6	9	3·3	7	2·6	6	1·6	4	1·1	...	...	2·3

d = direct ; r = retrograde. † one whole revolution direct.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JUNE 1923.

Hour Ending \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d.
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	0·1	0·1	...	1·0	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	...	0·4	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	0·1	...	0·2	...	2·6	...
5	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	0·5	...
6	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·5	...
7	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	16·1	...
8	...	...	2·6	0·6	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	0·5	...	...	...	...	...	...	...	...	...	...	1·0	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	...	15·[illegible]	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	6·0	...	...	...	...	...	...	...	...	...	...	...	0·2	...	6·5	...	...	...	...	...	...	...	...	0·3	...	...
14	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	2·0	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	...	...	...	...	9·5	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	0·2	...	...	...	...	...	...	...	...	0·7	9·5	...
17	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	0·2	...	...	...	...	...	...	...	...	...	...	2·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
20	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	1·5	0·1	0·2	...	...	...	3·3	...	...
21	...	0·3	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	2·0	0·1	...	...	...	...	...	...	...
22	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	0·5	...	...	...	0·1	...	...	...	...	0·7	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	...	...	...	...	...	...	...	...
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 1923.

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	2·84	72·1	...	11
	6	Mon Loisir S. E. ...	300	2·34	59·4	123·7	9
	7	Forbach*	300	5·04	77·2	...	11
	8	Labourdonnais ...	290	2·52	64·0	83·3	10
	9	Beau Séjour	300	5·00	127·0	111·2	18
	10	Mont Piton	860	4·25	107·9	142·0	12
	11	Mon Choix	700	4·85	123·2	134·1	11
	12	Antoinette	640	4·93	125·2	122·2	14
	13	California	850	5·85	148·5	119·6	13
	14	Nouvelle Découverte ...	1,400	4·66	118.4	155·9	20
	15	Mon Songe	620	4·12	104·6	123·2	11
	16	La Grande Rosalie ...	643	5·58	141·0	106·9	10
	17	The Mount	325	4·55	115·6	109·5	12
	18	Botanic Gardens ...	325	3·81	96·8	81·0	17
	19	The Observatory ...	179	4·13	104·8	65·5	16
	20	Solitude	175	2·54	64·5	28·2	9
	21	St. André	90	3·77	95·8	43·7	13
	22	Belle Vue Harel* ...	350	2·72	69·1	...	10
	23	Mont Choisy*	10	3·02	76·7	...	4
	25	Esperance (Trébuchet)*	165	3·83	97.3	...	13
	28	Mon Rocher*	...	4·92	125·0	...	14
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station* ...	106	1·89	48·0	...	2
	47	Terre Rouge Station* ...	137	2·17	55·0	...	2
	48	Mapou Station*	296	5·95	151·0	...	11
	49	Poudre d'Or Station* ...	172	3·27	83.0	...	5
	50	Rivière du Rempart* ...	134	3·53	89·5	...	7
2 & 3	1	Union Régnard ...	600	7·11	180·6	164·6	18
	2	Constance d'Arifat L.G...	100	4·82	122·4	116·8	15
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	600	8·65	219·7	130·3	16
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	6·25	158·7	...	14
	7	Belle Mare*	...	4·07	103·4	...	14
	8	Bel Etang (Lesur)* ...	...	6·66	169·2	...	9
	9	Belle Vue (Allendy)* ...	...	7·10	180·3	...	13
	10	St. Julien E(K. Reetoo)*	...	7·48	190·0	...	9
4	1	Sans Souci	900	7·65	194·3	274·6	20
	2	Etoile	400	6·93	176·0	205·2	10
	3	Beau Champ	20	4·45	113·0	122·7	10
	4	Belle Rive*	400	6·50	165·1	...	15
	5	Olivia	400	6·37	161·8	155·2	15
	6	Deep River*	350	6·51	165·3	...	14
	7	Belle Rose Estate* ...	...	5·04	128·0	...	15
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	6·69	169·9	...	23
5	1	Rose Belle*	850	7·76	197·1	...	19
	2	Riche-en-Eau	460	5·70	144·8	176·0	9
	3	Ferney	20	5·71	144·8	169·4	17
	4	Beau Vallon	60	3·94	100·0	110·2	7
	5	Union Vale	200	5·76	146·3	146·6	14
5 cont.	6	Mon Désert (Carié)* ...	75	4·57	116·1	...	13
	7	Cluny§	1,000	...	...	...	...
	8	Union Park*	...	8·85	224·8	...	19
	9	Sauveterre Estate* ...	...	5·29	134·4	...	10
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	7·46	189·5	375·2	19
	2	Tivoli*	1,300	8·12	206·2	...	18
	3	La Flora*	1,050	10·28	261·1	...	18
	4	Britannia	730	6·44	163·6	226·8	17
	5	Savannah (Mill) ...	200	4·45	113·0	175·5	11
	6	St. Aubin	300	3·01	76·5	123·2	13
	7	Union B.A.St.Félix S.E.	90	3·69	93·7	137·9	8
	8	Beau Bois	350	5·59	142·0	216·2	17
	9	St. Avold*	900	6·11	155·2	...	18
	10	Terracine§	100	...	...	...	...
	12	Bel Air*	...	3·69	93·7	...	8
	13	Chamouny*	...	8·67	220·2	...	14
	14	Union S. E.*	...	3·47	88·0	...	10
	15	Fontenelle*	...	3·90	99·0	...	8
	16	Combo*	...	5·04	128·0	...	13
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate*	...	2·51	63·6	...	9
7, 8 & 9	1	Bel Ombre	40	3·10	78·7	106·4	8
	3	Beau Champ*	...	2·75	69·8	...	6
	4	Board*	...	2·61	66·3	...	6
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10	...	No returns.	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	5·89	149·6	201·7	17
	3	Mare aux Vacoas ...	1,850	8·41	213·6	279·9	20
	4	La Marie Filter Bed ...	1,700	3·99	101·3	164·1	15
	5	Réunion	1,420	3·20	81·3	105·9	10
12	1	The Manse	850	1·63	41·4	56·6	12
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	2·05	52·1	65·0	23
	4	Alma	1,460	6·84	173·7	206·0	15
	5	Bagatelle	1,250	3·20	81·3	136·7	18
	6	Highlands*	1,300	4·09	103·9	...	17
	7	Trianon	950	2·46	62·5	75·4	13
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	1·56	39·6	...	7
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	2·41	61·2	95·0	19
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	..
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	5·80	147·3	...	11
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock ...	18	nil	nil	39·9	nil

* Normals not available § Record not Received.

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NEW SERIES (MONTHLY). VOL. IX. PART 7 PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5'39" S.—LONGITUDE 3h.50m.12s.6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JULY 1923

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of JULY 1923.

Month and Day. 1923.	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)	List of Earthquakes. Date.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	E.-W. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	Remarks.
	° ′			′													
JULY 1	10.48·9	·22950	·30009	3·3	58	21	...	...	...	...	...	...	...	...	...	...	Repairs to basement; Instrument dismounted.
2	49·2	.22955	011	3·0	40	12											
3	49·1	959	008	4·6	38	15											
4	48·7	968	005	4·6	22	23											
5	48·8	966	006	3·9	23	16											
6	48·8	977	003	2·6	28	16											
7	48·2	963	006	3·5	24	10											
8	48·6	962	004	5·3	24	22											
9	48·7	971	003	3·0	21	15											
10	49·3	976	002	6·0	58	26											
11	49·1	957	003	4·6	33	21											
12	49.1	966	002	2·2	24	18											
13	49·6	966	003	4·9	25	23											
14	49·3	970	004	3·2	18	14											
15	49·9	969	001	5·2	24	16											
16	49·9	974	002	3·6	8	17											
17	49·5	973	003	4·7	22	18											
18	49·6	976	003	5·0	47	10											
19	49·7	974	002	4·1	19	12											
20	50·0	971	001	4·8	27	16											
21	49·9	973	30000	5·0	29	15											
22	49·4	982	29998	5·0	28	28											
23	49·6	970	30001	4·5	53	18											
24	49·8	963	30004	3·2	25	18											
25	49·7	968	29999	4·3	22	28											
26	49·8	970	30002	5·8	23	20											
27	49·5	972	30001	3·5	31	18											
28	49·9	964	30003	4·0	29	14											
29	49·7	975	30002	3·6	32	19											
30	50·2	974	29998	5·6	18	24											
31	50.2	976	29996	7.2	40	13											
Mean	10·49·41	·22969	·30003	4.32	29.5	14·7	...	...	...	...	...	...	...	...	...	...	...

T=0·37785 : Mean Dip.=θ=52°.33′·83 (X=·22561 : Y=−·04313 : Z=·30003).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of JULY 1923.

Declination (West). Day and Hour.	Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Observed Value.	Dip (South). A. M. Observations. Day and Hour.	Observed Value.	Resulting Vertical Force. C. G. S. Units.	P. M. Observations. Day and Hour.	Observed Value.	Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
JULY 9· 9·38	10·49·84	JULY 2· 9·25	·22980	JULY 9· 9·59	52.33·17	·30000	JULY 9.14 .5	52·33.44	·30003
9.13·58	10·47·46	13·32	·22965	11·10·36	52·34·35	·30002	...	...	...
16·10·40	10·52·32	11·10·2	·23000	16.11.27	52.33.68	·30009	16·13·44	52·32·84	·29990
16.13·58	10·51·03	13· 9·18	·22976	25.10.20	52.35.75	·30033	25·13·35	52·35·38	·30027
27.10.55	10·51.46	20·10·20	·22983						
13.47	10.48.22	25. 9.58	·22971						
		13.12	·22977						

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

JULY 1923.

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

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	10° +																
Midnight	49·5	50·4	50·5	50·4	50·4	50·3	50·8	51·0	50·2	50·2	50·0	50·3	50·0	50·5	50·4	50·0	Midnight
1h	49·5	50·2	50·3	50·2	50·4	50·2	50·3	50·7	50·2	50.2	50·0	50·4	50·0	50·6	50·3	49·8	1h
2	49·2	49·5	50·0	50·0	50·0	50·0	50·3	50·5	50·0	50·0	49·8	50·5	50·0	50·5	50·3	49·6	2
3	49·3	49·3	49·8	49·8	50·0	49·8	49·8	50·2	49·8	49·8	49·8	50·5	50·2	50.3	50·4	49·5	3
4	49·5	49·2	50·0	49·5	50·0	49·6	48·5	50·0	49·8	49·8	49·8	50·5	50·2	50·3	50·3	49·4	4
5	49·3	49·0	50·0	49·8	50·0	49·7	49·2	49·2	49·5	49·7	49·5	50·3	50·0	50·0	50·3	49·2	5
6	49·5	49·0	50·2	50·0	50·0	49·5	48·5	49·0	49·2	49·8	49·5	50·0	49·8	50·0	50·0	49·1	6
7	48·8	49·0	50·0	49·8	49·8	49·2	48·4	48·5	48·7	49·2	48·5	49·2	48·7	49·2	4·88	48·6	7
8	49·2	49·2	50·0	50·0	50·2	49·3	48·7	49·2	49·2	50·0	48·3	48·8	48·3	49·5	50·0	48·8	8
9	50·5	50·4	50·4	50·7	51·8	50·8	48·8	51·0	50·5	52·0	48·8	49·7	49·5	50·8	50·5	49·8	9
10	51·2	50·5	50·8	51·2	52·5	50·9	50·4	51·5	51·2	52·5	50·2	50·8	50·5	52·0	52·0	50·6	10
11	50·4	49·5	50·0	52·0	51·0	49·5	51·2	51·0	52·0	52·2	50·5	51·5	50·8	52·4	53·5	50·8	11
Noon	50·0	48·2	48·8	51·0	49·5	48·3	49·5	49·5	50·8	50·8	50·0	51·0	50·0	52·0	53·0	50·0	Noon
13h	48·0	47·0	46·7	50·0	48·3	46·2	47·8	49·5	48·5	47·2	48·5	48·8	48·3	50·5	50·5	48·5	13h
14	46·5	47·0	46·7	48·0	47·8	46·2	47·0	49·0	47·7	46·7	47·0	47·5	47·2	49·2	48·5	47·6	14
15	47·0	47·1	48·0	47·2	47·5	46·6	47·5	48·3	48·0	47·5	47·5	48·0	48·3	47·0	46·3	47·3	15
16	48·3	48·3	48·6	47·5	48·3	47·2	48·4	48·5	48·0	48·5	48·8	48·5	48·8	46·8	46·5	47·5	16
17	50·0	50·3	49·5	49·2	49·2	48·8	49·8	49·2	49·0	49·8	49·2	49·8	49·8	49·2	4·88	49·1	17
18	50·4	51·0	50·3	50·2	49·8	49·8	50·3	50·0	49·8	50·2	50·5	50·7	50·5	50·4	50·7	50·0	18
19	50·4	52·0	50·5	50·3	50·3	50·7	50·5	50·2	49·8	50·0	50·3	50·7	50·5	51·0	51·0	50·2	19
20	50·4	51·8	50·8	50·5	50·5	51·2	50·8	50·3	50·0	50·0	50·4	50·7	50·5	51·0	50·8	50·6	20
21	50·5	51·8	50·6	50·7	50·4	50·8	50·7	50·2	49·8	50·0	50·0	50·2	50·5	50·8	50·5	50·1	21
22	50·2	51·2	50·5	50·5	49·6	50·8	51·5	50·0	50·0	49·8	49·8	49·8	50·5	50·4	50·3	49·9	22
23	50·3	50·5	50·3	50·2	50·2	50·5	50·8	50·0	49·8	49·8	50·0	50·0	50·3	50·3	50·2	49·8	23

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

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

JULY 1923.

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	009	053	031	068	063	066	075	054	062	072	038	060	060	063	070	074	Midnight
1h	017	052	038	069	063	064	077	050	063	068	041	061	062	066	071	073	1h
2	030	057	044	060	064	067	076	057	064	075	053	063	063	065	072	073	2
3	033	058	048	072	066	073	076	052	064	077	059	064	066	065	072	075	3
4	035	060	049	073	068	075	075	053	065	078	060	063	069	066	073	076	4
5	046	059	054	077	068	078	062	056	066	083	062	071	073	067	073	077	5
6	047	061	058	078	071	079	053	059	067	079	061	068	074	068	074	076	6
7	055	061	063	082	074	084	063	064	069	091	062	069	078	060	078	078	7
8	062	058	064	080	077	083	066	062	073	091	067	073	078	069	078	079	8
9	061	067	068	074	075	084	069	066	074	078	062	078	078	070	076	074	9
10	059	068	069	070	069	084	071	067	076	095	058	079	073	067	071	077	10
11	067	069	064	063	068	087	063	067	082	097	064	082	067	072	064	078	11
Noon	063	073	061	061	063	092	059	074	083	102	068	078	063	078	063	074	Noon
13h	065	064	059	056	061	081	053	074	078	099	061	070	057	081	054	073	13h
14	059	059	057	061	058	075	054	065	074	102	058	067	057	079	054	073	14
15	058	056	054	064	058	079	053	059	073	091	049	061	054	075	061	072	15
16	053	050	051	065	054	070	053	059	068	065	035	058	053	068	063	071	16
17	049	050	060	067	060	073	057	062	069	055	050	063	062	067	068	073	17
18	051	049	067	068	068	074	059	066	070	050	060	062	067	073	073	075	18
19	051	046	068	067	068	073	058	067	070	064	061	059	067	073	072	075	19
20	052	043	068	066	067	076	061	059	070	069	055	062	064	072	072	074	20
21	051	050	069	064	067	073	060	061	074	061	051	062	064	071	071	072	21
22	052	036	068	064	067	073	061	061	075	044	051	061	063	070	070	072	22
23	053	033	067	064	069	075	058	062	077	045	061	061	066	070	066	075	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	071	055	070	067	064	070	078	056	064	073	070	060	068	067	074	062·1	Midnight
1h	069	053	073	067	064	072	077	053	067	072	069	063	068	068	074	062·7	1h
2	073	059	070	067	065	074	084	057	067	075	073	063	070	072	077	065·5	2
3	073	061	074	069	068	074	084	058	068	074	074	078	071	073	078	067·6	3
4	074	065	081	074	069	074	098	058	069	074	075	075	071	075	083	069·5	4
5	076	067	083	073	070	076	089	061	071	077	074	073	073	077	084	070·8	5
6	077	074	080	070	073	079	088	062	073	078	076	072	076	079	084	071·4	6
7	079	075	076	071	076	085	087	067	074	079	081	075	082	082	093	074·6	7
8	077	077	077	075	078	088	079	069	076	077	083	077	083	083	097	076·0	8
9	073	086	076	081	076	089	074	069	074	070	088	074	082	083	094	075·6	9
10	073	087	084	083	075	084	070	070	067	063	080	068	080	078	088	074·3	10
11	076	085	083	085	082	088	063	073	063	056	078	061	087	074	077	073·7	11
Noon	077	095	079	087	089	094	072	078	068	074	081	058	096	077	067	075·7	Noon
13h	081	093	086	087	088	098	081	070	072	064	076	064	095	075	059	073·1	13h
14	080	100	082	081	085	096	079	064	060	065	080	064	090	078	057	071·4	14
15	074	097	072	064	082	085	069	060	054	059	083	061	083	073	063	067·6	15
16	072	085	077	060	071	077	066	064	056	068	074	059	072	065	069	063·3	16
17	068	077	067	063	069	075	051	057	063	069	062	061	068	070	073	063·8	17
18	074	077	068	064	071	078	048	059	070	073	057	055	067	074	074	065·8	18
19	074	072	067	063	070	079	045	060	073	071	058	056	064	074	074	065·8	19
20	072	068	067	064	069	080	050	059	074	068	058	052	063	074	072	065·2	20
21	071	069	070	063	060	080	049	062	072	065	061	049	064	072	068	064·4	21
22	066	070	070	064	068	080	053	063	072	065	062	055	065	070	067	063·8	22
23	059	064	068	064	069	079	053	062	073	067	058	054	068	070	069	063·8	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*).

JULY 1923.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	39000 + (C.G.S. UNIT).																
Midnight	117	111	114	110	109	108	103	107	105	103	105	104	103	103	104	102	Midnight
1h	113	111	113	109	108	108	102	107	104	103	103	103	102	102	103	102	1h
2	111	110	112	109	109	108	102	107	105	103	102	102	102	102	102	101	2
3	111	109	110	108	109	107	103	107	106	102	102	102	102	102	102	101	3
4	111	109	109	106	108	107	102	108	106	103	102	103	102	102	101	101	4
5	110	108	108	105	107	106	106	108	106	104	103	102	103	103	102	101	5
6	109	108	108	105	107	105	106	107	107	104	106	105	104	104	103	101	6
7	109	107	106	104	104	103	103	106	105	103	105	104	104	105	103	101	7
8	109	110	108	107	103	104	103	108	106	105	107	106	107	107	106	105	8
9	111	113	110	110	107	106	108	109	107	109	109	108	110	110	110	107	9
10	112	115	113	112	110	108	112	111	103	109	109	109	112	108	110	110	10
11	110	115	113	111	112	105	112	105	102	103	107	105	112	100	110	109	11
Noon	110	112	109	106	109	099	112	098	099	094	100	098	107	097	109	103	Noon
13h	109	109	102	099	105	093	107	091	095	086	091	094	099	096	099	097	13h
14	102	103	100	093	099	093	103	089	093	083	088	092	092	099	091	097	14
15	196	104	099	089	096	092	102	092	096	092	089	091	089	101	085	093	15
16	102	109	102	092	100	099	103	099	099	102	095	095	091	102	084	094	16
17	108	110	106	102	106	102	107	104	104	105	103	101	099	107	093	099	17
18	111	112	108	105	107	104	109	107	108	109	107	104	003	107	101	102	18
19	111	112	108	107	107	104	108	106	107	109	107	105	105	106	102	102	19
20	111	113	109	107	107	104	107	107	106	106	107	105	106	107	103	103	20
21	111	112	109	107	107	104	106	106	104	105	107	105	107	107	104	104	21
22	111	113	109	108	108	104	105	105	104	105	106	105	106	107	104	105	22
23	111	115	110	108	108	105	105	105	103	105	103	103	106	106	104	105	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. \ Hour.
	39000 + (C.G.S. UNIT).																
Midnight	105	107	102	105	103	101	100	103	101	099	100	102	102	102	099	104·5	Midnight
1h	102	107	102	105	104	101	101	103	101	099	100	101	101	101	098	103·8	1h
2	103	106	102	105	103	102	101	103	101	099	100	100	101	100	096	103·5	2
3	102	103	102	103	104	102	100	104	101	099	100	100	100	099	096	103·2	3
4	101	103	102	103	104	103	100	104	102	100	100	100	100	099	095	103·1	4
5	101	103	101	103	103	103	100	105	103	100	101	101	100	099	094	103·2	5
6	101	103	101	102	104	102	100	105	103	101	101	101	101	099	094	103·5	6
7	101	103	101	102	101	101	100	103	103	101	101	100	099	099	093	102·6	7
8	102	104	102	102	102	102	101	106	105	106	103	102	101	101	094	104·3	8
9	106	107	106	104	103	105	105	111	108	111	103	107	105	105	099	107·5	9
10	111	105	106	103	105	105	110	110	109	112	107	110	112	106	102	108·9	10
11	111	105	103	105	097	097	110	106	103	110	108	109	110	105	102	106·8	11
Noon	109	101	102	101	090	086	100	099	099	104	098	105	103	101	098	101·9	Noon
13h	099	097	096	096	091	079	093	093	086	095	091	100	098	094	093	95·9	13h
14	094	097	094	091	092	077	092	095	081	093	089	099	095	086	091	93·0	14
15	093	097	097	089	096	083	093	098	085	092	093	096	093	082	089	93·0	15
16	097	100	101	092	100	093	098	103	092	102	095	098	096	085	089	97·0	16
17	102	103	103	099	101	101	105	108	099	104	102	102	102	093	093	102·4	17
18	103	104	103	102	101	102	106	109	102	105	107	105	103	097	098	104·9	18
19	103	105	103	102	102	103	106	107	102	103	107	105	104	099	097	105·0	19
20	104	104	103	104	102	101	104	106	101	104	107	105	104	100	092	104·8	20
21	105	103	102	104	101	101	103	105	101	102	107	106	105	100	099	104·8	21
22	105	104	103	103	101	100	103	103	100	102	105	104	105	100	100	104·6	22
23	107	104	103	102	101	100	103	102	099	101	104	103	104	100	100	104·3	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JULY 1923.

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.	Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
JULY	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1011·4	− 2·3	23·8	15·3	8·5	19·4	− 0·6	1·3	17·0	+ 1·3	86	+ 10	19·2	11·4	0·0	...	2·5	1·6
2	1013·3	− 0·5	23·9	17·5	6·4	20·6	+ 0·6	1·8	17·4	+ 1·7	82	+ 6	19·7	13·8	0·0	...	3·0	2·4
3	1014·3	+ 0·5	23·8	17·2	6·6	20·5	+ 0·5	1·7	17·5	+ 1·9	83	+ 7	19·8	14·2	0·0	...	3·2	2·9
4	1013·6	− 0·3	23·9	16·9	7·0	20·5	+ 0·5	1.6	17·6	+ 2·0	83	+ 7	19·9	13·3	0·0	...	3·2	3·0
5	1013·2	− 0·7	24·1	19·0	5·1	21·1	+ 1·1	1·5	18·4	+ 2·8	85	+ 9	21·0	15·9	0·0	...	3·6	2·7
6	1013·1	− 0·8	24·0	18·1	5·9	20·6	+ 0·6	2·1	16·8	+ 1·2	79	+ 3	18·9	15·0	0·0	...	4·0	2·3
7	1012·7	− 1·2	23·7	18·2	5·5	20·0	+ 0·1	2·1	1·62	+ 0·6	79	+ 3	18·2	14·8	0·0	...	2·8	3·0
8	1013·3	− 0·6	22·8	16·0	6·8	19·5	− 0·4	2·7	14·6	− 0·9	74	− 2	16·5	11·8	0·0	...	2·6.	4·6
9	1014·3	+ 0·4	22·5	17·0	5·5	19·2	− 0·7	2·7	14·3	− 1·2	74	− 2	16·2	12·9	0·0	...	2·2	4·9
10	1014·4	+ 0·5	22·9	16·8	6·1	19·3	− 0·6	2·4	15·0	− 0·5	76	0	16·9	13·6	3·7	35	5·4	5·5
11	1013·6	− 0·3	22·5	16·6	5·9	18·8	− 1·1	2·4	14·4	− 1·1	76	0	16·3	12·8	0·6	15	3·1	4·8
12	1012·2	− 1·7	23·1	15·0	8·1	18·6	− 1·2	2·1	14·8	− 0·7	79	+ 3	16·7	11·6	0·0	...	3·6	3·1
13	1011·3	− 2·6	23·4	14·9	8·5	19·2	− 0·6	1·9	15·8	+ 0·4	81	+ 5	17·8	10·7	0·0	...	3·5	2·5
14	1011·3	− 2·6	23·8	17·1	6·7	20·1	+ 0·3	1·5	17·4	+ 2·0	85	+ 10	19·7	14·4	0·0	...	3·5	3·8
15	1012·6	− 1·3	24·0	15·9	8·1	19·5	− 0·3	2·1	15·7	+ 0·3	79	+ 4	17·7	12·4	0·0	...	4·0	1·4
16	1013·9	0·0	23·2	15·3	7·9	18·9	− 0·9	2·3	15·1	− 0·3	79	+ 4	17·0	7·5	0·0	...	3·5	2·7
17	1015·6	+ 1·7	23·6	14·7	8·9	19·7	− 0·1	2·7	14·8	− 0·5	74	− 1	16·7	10·8	0·0	...	4·6	1·4
18	1016·5	+ 2·6	24·4	18·1	6·3	20·0	+ 0·2	2·7	15·2	− 0·1	74	− 1	17·1	15·4	0·0	...	4·4	6·4
19	1016·0	+ 2·1	22·5	16·3	6·2	19·6	− 0·2	3·1	14·0	− 1·3	70	− 5	15·8	13·2	0·0	65	4·7	2·1
20	1015·2	+ 1·4	23·7	18·1	5·6	20·6	+ 0·8	2·0	17·0	+ 1·7	80	+ 5	19·2	15·5	0·0	90	3·6	4·8
21	1015·4	+ 1·6	23·4	19·3	4·1	20·7	+ 0·9	2·6	16·1	+ 0·9	75	0	18·1	15·8	0·0	...	4·0	4·8
22	1015·2	+ 1·4	23·0	17·3	5·7	19·9	+ 0·1	3·1	14·3	− 0·9	70	− 5	16·2	14·0	0·0	...	4·0	4·5
23	1015·1	+ 1·3	23·1	16·9	6·2	19·5	− 0·3	2·4	15·2	0·0	77	+ 2	17·1	13·9	0·0	...	4·4	3·1
24	1015·3	+ 1·5	21·1	15·3	5·8	18·2	− 1·6	1·5	15·5	+ 0·4	84	+ 9	17·4	11·6	4·3	130	1·3	5·8
25	1014·9	+ 1·1	23·2	15·1	8·1	19·6	− 0·2	2·2	15·6	+ 0·5	78	+ 3	17·6	11·7	0·7	20	2·5	4·8
26	1014·0	+ 0·2	23·1	18·9	4·2	20·2	+ 0·4	1·6	17·3	+ 2·2	84	+ 9	19·6	15·2	5·4	120	5·4	7·2
27	1014·3	+ 0·5	23·6	17·6	6·0	20·4	+ 0·6	1·7	17·4	+ 2·3	83	+ 8	19·7	15·1	1·0	10	3·0	5·5
28	1014·8	+ 1·0	23·2	17·9	5·3	20·1	+ 0·3	1·4	17·6	+ 2·6	85	+ 10	19·9	15·1	2·6	80	1·1	7·4
29	1014·9	+ 1·1	23·6	15·6	8·0	19·7	− 0·1	1·7	16·6	+ 1·6	82	+ 7	18·7	11·9	4·0	20	4·5	3·7
30	1015·7	+ 1·9	23·7	14·8	8·9	19·1	− 0·7	1·7	16·0	+ 1·0	82	+ 7	18·0	10·3	0·5	10	3·5	4·0
31	1015·7	+ 1·9	23·2	17·9	5·3	20·1	+ 0·3	2·0	16·5	+ 1·5	80	+ 5	18·6	14·3	0·0	...	3·5	3·3
Mean	1014·1	+ 0·3	23·3	16·8	6·5	19·8	− 0·1	2·1	16·0	+ 0·7	79·3	+ 3·9	17·8	13·2	20·8	440	3·5	3·9
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
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JULY 1923.

Pressure was generally below normal for the first half of the month, and above for the later half; the recovery of pressure was accompanied by the resetting of the trades with velocities well above normal during a few days.

Air Temperature was slightly variable but normal in the mean.

Relative Humidity was generally above normal and markedly so towards the end of the month; but there was a deficiency in rainfall.

Except from the 17th to the 23rd wind Velocity was generally below normal.

At the Observatory only 32.8% of normal rainfall was registered.

The percentage variation for the other Districts is given below:

Northern Districts	...River System 1,	49 %	below
Eastern Districts	,, ,, 2, 3,	62 %	,,
	,, ,, 4,	55 %	,,
South-Eastern Districts	,, ,, 5,	64 %	,,
	,, ,, 6,	51 %	,,
	,, ,, 7 & 9	72 %	,,
Western Districts	River System 11	31 %	below
	,, ,, 12	42 %	,,
	,, ,, 13	31 %	,,

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JULY 1923

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
JULY	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	6·8	63	— 0·8	+ 1·6	63	1·8	1·9	— 1·8	25·3	24·8	22·8	...	...	21·9	21·8	f. b. : f. .
2	9·5	87	— 0·6	+ 2·4	76	2·5	2·5	— 1·2	25·3	24·7	22·8	...	...	22·0	21·9	f. .
3	9·7	89	— 0·3	+ 2·7	84	2·7	2·8	— 0·9	25·3	24·6	22·8	...	...	22·2	22·1	f. .
4	6·5	60	— 0·5	+ 2·9	80	2·9	3·0	— 0·7	25·3	24·6	22·8	...	...	22·2	22·1	f. : c.f. : f. .
5	9·4	86	— 0·7	+ 2·9	76	3·0	3·0	— 0·7	25·3	24·7	22·8	...	...	22·4	22·3	f. : c.f. : f. .
6	10·0	92	— 0·8	+ 2·6	73	2·7	2·7	— 1·0	25·3	24·5	22·8	...	...	22·7	22·4	f. : f. b. .
7	7·1	65	— 1·7	+ 3·2	62	3·6	3·7	0·0	25·3	24·5	22·8	...	...	22·3	22·4	f. : c .f. : f. .
8	5·9	54	— 1·2	+ 3·8	72	4·0	4·1	+ 0·4	25·2	24·5	22·8	...	...	21·9	21·4	f. : d : c. : f. .
9	5·8	53	— 1·2	+ 3·9	73	4·1	4·1	+ 0·4	25·2	24·4	22·8	...	...	21·6	21·0	f. . d. c. : f. :
10	5·0	46	— 0·1	+ 3·2	88	3·2	3·5	— 0·2	25·2	24·5	22·7	...	...	21·3	20·9	c .d . : c. : c, f .
11	6·2	57	— 0·5	+ 2·5	79	2·5	2·7	— 1·0	25·1	24·4	22·6	...	...	21·3	21·1	c . : f . .
12	7·6	69	— 0·8	+ 2·6	73	2·7	2·7	— 1·0	25·2	24·3	22·6	...	...	21·2	20·9	f. : c. : f. .
13	8·9	81	— 0·7	+ 2·5	74	2·6	2·7	— 1·1	25·2	24·4	22·6	...	...	21·3	20·9	f. .
14	8·4	76	+ 0·6	+ 1·9	108	2·0	2·2	— 1·6	25·1	24·3	22·5	...	...	21·9	21·9	c. : f. .
15	9·7	88	+ 0·3	+ 2·0	98	2·0	2·3	— 1·5	25·1	24·4	22·5	...	...	21·9	21·8	f.b. : f. b. .
16	8·8	80	— 0·3	+ 2·5	83	2·5	2·6	— 1·2	25·1	24·3	22·5	...	...	21·6	21·2	f. .
17	8·9	81	— 2·3	+ 3·0	52	3·8	3·8	0·0	25·6	24·2	22·5	...	...	21·6	21·4	b. f. .
18	4·3	39	— 2·5	+ 5·2	64	5·7	5·8	+ 2·0	25·1	24·2	22·4	...	...	21·8	21·6	: o. d, , c .f .
19	8·3	75	— 1·1	+ 4·9	77	5·0	5·0	+ 1·2	25·1	24·3	22·4	...	...	21·2	20·8	f. b. .
20	6·7	61	— 1·3	+ 4·0	72	4·2	4·3	+ 0·5	24·9	24·1	22·3	...	...	21·3	21·2	f. : c. f. . f. ,
21	2·8	26	— 1·9	+ 4·6	68	4·9	5·0	+ 1·2	25·1	24·1	22·4	...	...	21·7	21·6	f. : c. : f. .
22	8·9	81	— 1·7	+ 4·0	67	4·3	4·4	+ 0·6	25·1	24·1	22·3	...	...	21·5	21·1	f. : c. : c. f. .
23	7·9	71	— 1·5	+ 3·7	68	4·0	4·1	+ 0·3	25·1	24·1	22·3	...	...	21·3	20·9	f. : c.f. : f. .
24	4·0	36	— 1·0	+ 3·0	72	3·2	3·3	— 0·5	25·1	24·1	22·3	...	...	21·1	20·4	f. : o. d. : c. f. .
25	6·8	61	— 0·8	+ 4·1	79	4·2	4·2	+ 0·4	25·1	24·2	22·3	...	...	20·8	20·1	f. : c. : f. .
26	5·2	47	+ 0·4	+ 4·4	95	4·4	4·4	+ 0·6	25·1	24·2	22·3	...	...	21·1	20·9	o. r. : c. f. .
27	7·4	67	+ 0·4	+ 2·9	98	2·9	3·2	— 0·6	25·0	24·1	22·2	...	...	21·5	21·5	f. : c. : : c. f. : o. .
28	3·0	27	— 0·2	+ 3·4	87	3·4	3·6	— 0·2	25·0	24·0	22·2	...	...	21·8	21·6	o. p. c. d. .
29	6·1	55	0·0	+ 2·2	90	2·2	2·4	— 1·5	25·0	24·1	22·3	...	...	21·7	21·4	f. : p. : c. f. : f.
30	5·5	50	— 1·7	+ 2·6	57	3·1	3·3	— 0·6	24·9	23·9	22·3	...	...	21·4	21·2	f. : c. f. .
31	8·5	76	— 1·4	+ 3·2	66	3·5	3·5	— 0·4	24·9	24·0	22·3	...	...	21·6	21·5	c.f : f. b. .
Mean	7·08	64·5	—0·84	+3·17	75·2	3·27	3·45	0·32	25·14	24·30	22·52	...	...	21·64	21·40	...
Average	7·73	70·0	—1·49	+3·03	63·8	3·38	3·77	...	25·17	24·44	...	...	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JULY 1923.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1018·1 m.b.s.	at	10h	on 19th	1009·7 m.b.s.	at	15h	on 13th
Temperature of the Air	24·°4C	at	10·35h	on 18th	14·°7C	at	6h55	on 17th
Daily range of temperature of the Air...	8·9°C		...	on 17th & 30th	4·°1C		...	on 21st
Temperature of the Dew Point	19·6°C	at	9h	on 5th	12·°0C	a	17h	on 9th
Daily range of temperature of the Dew Point	6·7°C		...	on 9th	1·°1C		...	on 31st
Relative humidity...	98·0%	at	5h	on 27th	56·4%	at	13h	on 17th
Wind Velocity	8·9 m.p.s.	at	15h	on 18th	0·7 m.p.s.		often	
Rainfall	6·1 mm.	ending	9h	on 26th				
Temperature of the soil at 3 ins. ...	24·°1C	at	18h	on 6th	19·°1C	at	6h	on 25th
,, ,, at 6 ins. ...	24·°1C	at	15h	on 6th	20·°2C	at	9h	on 25th
Duration of sunshine	10·0h		...	on 6th	2·8h		...	on 21st
Amount of Evaporation	5·4 mm.		...	on 10th & 26th	1·1 mm.		...	on 28th
Vapour Tension	21·0 mbs		...	on 5th	15·8 m.b.s.		...	on 19th
Minimum on Grass					7·°5C		...	on 16th

Number of Days Overcast 2, Clear 12, of Rain 9, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 21·°33C, Average 21·57°C Mean Night Temperature of Air 18·°23C, Average, 18·15°C

* South (0°); East (90°); North (180°); West (270°). † Thermometers 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 1923.

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	0112	0126	0142	0151	0137	0137	0131	0129	0143	0147	0145	0130	0123	0116	0122	0141	Midnight
1h	0107	0127	0143	0144	0136	0135	0129	0128	0142	0144	0144	0127	0122	0113	0121	0139	1h
2	0104	0126	0138	0138	0134	0132	0128	0125	0136	0142	0137	0126	0116	0107	0119	0137	2
3	0103	0124	0137	0136	0132	0130	0125	0123	0135	0140	0135	0123	0116	0105	0116	0135	3
4	0105	0126	0136	0135	0129	0129	0125	0118	0135	0138	0133	0123	0110	0105	0116	0132	4
5	0105	0125	0137	0137	0131	0131	0123	0115	0136	0137	0132	0123	0110	0106	0116	0132	5
6	0107	0127	0140	0139	0135	0133	0125	0123	0141	0143	0137	0126	0113	0107	0116	0133	6
7	0115	0134	0145	0144	0138	0138	0131	0132	0146	0147	0142	0127	0117	0114	0124	0137	7
8	0117	0138	0152	0148	0142	0141	0137	0135	0153	0152	0147	0134	0118	0117	0128	0141	8
9	0124	0144	0154	0152	0144	0146	0144	0140	0148	0158	0154	0138	0123	0123	0133	0144	9
10	0124	0143	0155	0148	0135	0145	0142	0138	0157	0159	0152	0137	0119	0123	0135	0146	10
11	0121	0141	0151	0143	0138	0141	0133	0137	0154	0154	0151	0128	0118	0118	0133	0144	11
Noon	0115	0136	0145	0134	0130	0133	0127	0133	0146	0149	0138	0122	0110	0114	0128	0138	Noon
13h	0107	0131	0138	0126	0123	0124	0122	0128	0142	0140	0128	0116	0104	0106	0120	0133	13h
14	0106	0126	0131	0122	0121	0118	0117	0124	0136	0133	0124	0112	0098	0104	0117	0129	14
15	0106	0123	0130	0122	0118	0117	0114	0124	0132	0132	0122	0106	0097	0103	0116	0128	15
16	0107	0124	0133	0121	0118	0117	0114	0127	0133	0123	0123	0106	0100	0104	0117	0128	16
17	0114	0126	0137	0126	0124	0120	0118	0128	0137	0134	0124	0108	0104	0108	0123	0132	17
18	0116	0128	0138	0125	0127	0123	0123	0133	0142	0140	0126	0112	0106	0110	0126	0136	18
19	0120	0136	0145	0127	0131	0126	0125	0137	0142	0141	0129	0117	0111	0114	0130	0139	19
20	0123	0140	0149	0133	0136	0131	0127	0143	0147	0148	0133	0123	0113	0121	0133	0147	20
21	0127	0143	0153	0137	0138	0131	0132	0157	0152	0148	0135	0126	0118	0123	0137	0152	21
22	0125	0143	0153	0141	0137	0138	0132	0158	0151	0151	0137	0127	0120	0125	0141	0154	22
23	0125	0143	0152	0141	0138	0132	0129	0155	0150	0146	0133	0125	0117	0123	0142	0153	23

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
Midnight	0155	0167	0173	0164	0152	0154	0157	0157	0162	0149	0143	0153	0154	0158	0164	1014.5	Midnight
1h	0154	0164	0172	0158	0148	0154	0154	0156	0156	0146	0142	0149	0152	0157	0162	1014.3	1h
2	0147	0158	0168	0156	0144	0154	0148	0153	0152	0152	0138	0147	0148	0156	0162	1014.0	2
3	0144	0158	0165	0151	0141	0153	0147	0148	0146	0138	0137	0143	0143	0153	0158	1013.7	3
4	0144	0155	0164	0152	0138	0141	0146	0146	0143	0136	0136	0142	0141	0154	0154	1013.5	4
5	0144	0154	0164	0151	0142	0154	0144	0144	0142	0133	0138	0138	0143	0254	0152	1013.5	5
6	0146	0161	0169	0152	0147	0154	0147	0148	0139	0135	0144	0144	0148	0155	0155	1013.8	6
7	0149	0166	0173	0159	0149	0159	0151	0154	0149	0139	0148	0148	0149	0161	0160	1014.3	7
8	0159	0169	0175	0163	0155	0161	0155	0159	0155	0145	0150	0155	0153	0164	0164	1014.8	8
9	0165	0175	0180	0167	0162	0166	0163	0167	0159	0153	0157	0159	0159	0168	0169	1015.3	9
10	0169	0176	0181	0165	0162	0164	0161	0167	0160	0153	0158	0161	0160	0167	0168	1015.3	10
11	0175	0176	0176	0159	0159	0159	0155	0159	0156	0147	0151	0159	0155	0162	0165	1014.9	11
Noon	0161	0174	0169	0154	0149	0151	0149	0152	0148	0140	0143	0154	0149	0154	0155	1014.2	Noon
13h	0155	0167	0159	0044	0143	0143	0144	0144	0144	0132	0135	0145	0143	0153	0154	1013.5	13h
14	0148	0063	0148	0039	0139	0138	0138	0139	0148	0125	0130	0138	0139	0147	0147	1013.0	14
15	0145	0056	0145	0039	0138	0136	0136	0137	0135	0125	0129	0135	0139	0146	0143	1012.8	15
16	0146	0053	0145	0039	0139	0138	0145	0139	0135	0125	0133	0135	0142	0148	0145	1012.9	16
17	0146	0055	0149	0139	0145	0143	0148	0146	0140	0129	0137	0138	0145	0149	0148	1013.3	17
18	0158	0061	0154	0142	0150	0144	0149	0148	0142	0134	0138	0142	0138	0153	0148	1013.6	18
19	0162	0164	0158	0144	0154	0148	0153	0154	0148	0137	0142	0146	0150	0153	0152	1014.0	19
20	0163	0168	0164	0149	0161	0154	0158	0162	0153	0143	0148	0152	0154	0158	0158	1014.5	20
21	0168	0172	0164	0153	0161	0158	0160	0164	0157	0146	0150	0159	0158	0162	0162	1014.8	21
22	0168	0174	0168	0154	0160	0159	0160	0167	0156	0146	0152	0158	0161	0163	0162	1015.0	22
23	0167	0172	0167	0154	0157	0158	0159	0164	0153	0146	0154	0157	0162	0163	0163	1014.8	23

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

Hour. \ Day.	JULY 1923.																															
	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	1	2	1	2	2	1	1	2	6	5	3	1	4	0	1	0	0	3	2	3	1	2	0	2	8	4	9	3	1	6	2·5
1h	1	1	2	1	2	2	2	1	2	3	5	2	1	6	0	1	0	2	3	2	2	1	2	0	2	7	3	9	2	1	8	2·5
2	0	1	3	1	2	2	2	1	3	5	6	2	1	6	0	1	0	4	2	1	2	1	1	1	3	6	2	8	2	1	4	2·4
3	0	1	5	3	2	2	3	2	3	4	8	1	1	7	0	3	0	6	4	1	2	3	1	2	2	7	2	7	2	2	2	2·8
4	0	2	3	1	2	3	3	3	3	9	7	1	1	6	0	2	1	7	2	3	3	4	1	3	4	8	5	7	3	2	4	3·3
5	0	3	2	1	2	3	2	4	2	7	6	2	2	5	1	2	1	8	3	3	3	5	1	3	4	8	6	8	6	3	4	3·5
6	1	3	3	2	2	4	2	7	4	5	9	4	3	7	3	4	2	10	7	5	3	9	2	5	8	10	10	8	4	5	3	5·9
7	2	2	3	2	2	3	1	7	3	9	8	7	1	6	3	4	1	10	5	5	3	7	2	5	8	9	8	8	4	6	2	4·7
8	2	2	3	2	4	3	0	6	7	8	5	9	4	5	3	4	1	9	4	4	3	7	3	6	8	9	6	8	5	4	2	4·7
9	2	3	3	2	3	3	3	5	9	7	8	6	3	4	3	4	0	6	3	4	6	7	4	7	8	9	5	9	3	2	3	4·7
10	2	4	2	4	4	3	2	0	8	6	7	6	3	6	4	5	3	7	2	5	6	8	6	10	9	10	7	10	5	2	4	5·4
11	3	3	3	3	6	5	3	7	6	7	7	5	3	4	4	5	3	10	2	6	6	8	5	10	8	7	5	10	6	3	5	5·4
Noon	3	3	4	3	6	5	5	7	4	6	7	5	4	4	4	5	3	9	1	6	6	6	3	8	7	8	3	10	6	3	6	5·1
13h	3	4	4	4	4	3	7	8	6	6	5	5	4	3	3	4	3	9	1	6	7	6	3	10	6	7	4	9	6	5	7	5·2
14	3	3	4	4	3	3	7	7	7	7	4	4	5	3	2	3	3	8	2	6	8	6	3	10	5	8	5	7	6	6	6	5·1
15	2	3	4	6	3	2	6	7	7	6	4	2	3	3	2	3	3	8	1	9	9	4	4	9	3	7	7	6	6	7	4	4·8
16	2	3	4	7	2	3	5	6	8	6	3	3	4	3	1	3	2	9	1	5	8	4	4	9	3	5	6	5	6	8	3	4·5
17	2	2	4	6	2	3	3	4	8	4	2	3	5	3	0	3	2	9	1	3	9	3	4	7	2	4	3	5	5	9	2	3·9
18	2	2	3	4	3	2	3	3	9	4	2	2	2	2	0	3	1	7	1	3	9	5	4	7	2	5	3	4	4	9	2	3·6
19	3	2	1	4	2	0	2	3	3	5	2	1	1	1	0	2	1	5	0	6	6	5	6	7	4	7	5	5	2	3	1	3·1
20	2	2	1	3	2	0	3	4	1	4	1	0	1	1	0	1	1	3	0	8	5	3	8	7	4	7	6	7	1	2	0	2·8
21	1	3	2	3	2	0	4	4	3	3	1	0	1	1	0	1	0	3	0	9	2	2	3	6	4	6	8	7	0	3	0	2·6
22	1	3	2	2	2	0	2	4	4	3	2	1	3	0	0	0	1	2	1	7	3	1	1	5	4	7	9	8	0	2	1	2·6
23	1	2	2	3	2	0	1	3	5	3	2	1	3	0	0	0	2	2	1	6	2	1	1	3	6	5	10	4	1	6	1	2·6

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

Hour* Ending \ Day.	JULY 1923.																															
	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	8	10	0	8	8	8	0	0	0	0	0	17	6	0	17	20	0	0	6	6	0	4	0	0	0	0	0	1	0	4	2·4
8	60	47	57	45	60	59	59	0	20	0	13	8	59	30	57	60	60	13	40	48	39	48	36	35	20	0	25	0	20	0	59	17·9
9	60	60	57	60	60	60	60	16	20	25	30	17	36	60	55	60	60	45	40	52	2	50	58	42	52	0	60	3	59	55	57	22·8
10	60	60	52	60	60	60	59	42	30	39	27	12	58	58	57	60	59	30	35	50	2	40	60	15	10	10	30	3	48	60	50	21·6
11	59	60	55	59	60	60	59	55	50	50	20	60	57	40	60	60	57	25	43	50	0	47	60	20	3	39	20	4	0	60	50	22·4
Noon	55	60	59	33	59	59	57	43	52	40	42	60	35	46	60	60	50	12	58	42	2	60	60	13	50	36	60	0	20	60	25	22·8
13h	48	58	58	50	50	57	12	24	29	47	30	60	57	53	59	60	50	12	60	37	12	55	58	14	60	36	50	14	47	30	38	22·1
14	20	56	60	55	47	60	16	45	14	32	45	60	50	53	60	58	57	30	60	39	38	60	55	4	55	52	50	25	60	0	56	22·9
15	18	55	59	17	50	60	25	38	57	32	58	60	60	50	60	40	58	50	60	30	38	57	46	5	57	50	50	50	60	10	60	23·7
16	8	55	59	2	60	60	40	40	59	30	57	60	59	60	60	52	58	28	58	36	13	60	39	38	60	50	42	52	44	45	57	24·0
17	0	50	45	4	47	50	32	40	14	4	48	55	50	46	59	0	3	14	42	29	16	50	0	50	37	38	50	28	6	8	48	15·9
18	0	0	10	3	0	8	0	8	0	0	4	6	0	2	4	0	0	0	0	0	0	4	0	4	2	1	4	2	0	0	4	1·1
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 200·5 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°)

JULY 1923

Day. / Hour.	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	16·5	0·5	18·9	0·8	19·1	1·0	18·9	1·3	19·6	0·6	19·2	0·9	18·9	1·4	18·7	2·5	Midnight
1h	16·3	0·4	18·6	0·6	19·1	0·9	18·7	1·1	19·5	0·5	19.1	1·0	18·4	1·3	17·1	1·1	1
2	16·1	0·3	18·1	0·8	18·9	1·0	18·2	0·9	19·4	0·5	19.0	1·0	18·2	1·1	16·5	1·6	2
3	16·2	0·0	18·0	0·7	18·3	0·8	17·6	1·1	19·4	0·7	18.9	1·1	18·3	0·8	16·0	1·3	3
4	16·1	0·8	17·8	0·7	17·8	0·9	17·5	1·0	19·5	0·6	18·8	0·9	18·4	1·0	18·1	1·0	4
5	15·8	0·7	17·7	0·6	17·5	1·0	16·9	0·9	19·2	0·7	18.7	0·9	18·5	1·0	18·1	1·2	5
6	16·2	0·7	17·7	0·8	17·9	0·9	1·73	0·9	19 1	0·6	18·6	0·7	18·4	0·9	18·5	1·4	6
7	15·5	0·7	17·9	0·7	18·1	1·0	1·75	0·9	19·6	0·5	18·5	0·9	18·3	1·1	18·6	1·5	7
8	17·8	0·8	19·9	0·8	20·5	1·0	20·5	1·4	21.8	1·6	21·0	1·2	20·5	1·9	18·7	1·1	8
9	20·5	0·8	21·9	1·5	22·2	2·1	22·1	2·2	22·6	1·7	22·2	2·1	21·9	2·9	20·5	2·7	9
10	22·1	2·0	22·8	2·5	23·0	2·9	23·3	3·3	23·3	2·7	23·1	3·1	22·9	4·1	21·8	4·2	10
11	23·0	2·8	23·2	3·0	23·1	3·0	23·3	3·0	23·2	2·9	23·3	3·4	23·1	4·1	21·9	4·1	11
Noon	23·4	2·9	23·7	3·1	23·1	3·1	23·6	3·0	23·6	3·4	23·7	4·0	23·5	4·3	22·2	4·3	Noon
13h	23·7	3·1	23·4	3·2	23·1	3·2	23·6	3·0	23·5	2·8	23·6	4·0	21·5	2·2	21·9	4·4	13h
14	22·8	2·3	23·4	3·3	23·6	3·2	23·6	2·7	23·4	3·1	23·6	3·9	21·4	1·9	21·7	4·2	14
15	22·9	2·1	23·6	3·5	23·5	3·1	23·1	2·6	23·6	3·1	23·2	4·0	20·9	1·8	21·5	4·7	15
16	22·7	2·3	23·1	2·8	23·1	2·8	22·9	2·4	23·2	2·9	22·7	3·6	21·5	2·5	21·0	4·2	16
17	20·9	1·7	22·1	2·2	22·1	2·1	22·1	1·8	22·5	2·3	21·7	3·2	21·1	3·0	20·2	3·5	17
18	19·9	1·0	21.0	1·6	21·0	1·4	21·1	1·1	21·2	1·2	20·7	2·3	19·6	2·2	19·1	2·9	18
19	19·4	1·0	20·8	2·0	20·5	1·2	20·8	1·3	20·7	0·9	19·5	1·6	19·3	2·2	18·9	2·7	19
20	18·9	0·9	20·5	1·8	20·0	1·0	20.6	1·1	20·5	0·9	19·1	1·4	19·1	2·2	19·4	3·1	20
21	18·8	0·7	20·2	1·7	19·2	0·5	20·1	1·0	20·0	0·8	18·9	1·2	19·1	2·5	19·1	2·9	21
22	19·0	0·8	20·1	2·0	19·0	0·9	19·7	0·9	19·8	0·9	19·0	1·8	18·9	2·5	19·0	2·4	22
23	19·1	0·8	20·3	2·0	19·0	1·0	19·5	0·8	19·2	0·5	19·1	1·2	19·1	2·5	18·9	2·0	23

Day. / Hour.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	19·0	2·3	17·9	1·7	17·1	1·7	16·8	0·9	16·0	1·5	19·0	0·5	17·8	1·3	16·7	1·1	Midnight
1h	18·2	1·5	18·0	1·7	17·9	1·9	16·7	0·9	16·1	1·4	18·9	1·1	17·3	0·9	16·3	1·0	1h
2	19·0	2·3	18·1	1·8	17·5	1·7	16·1	1·1	15·9	1·5	18·9	0·9	16·9	0·9	16·0	1·1	2
3	18·1	2·2	18·2	1·7	16·9	1·6	16·0	1·0	15·2	1·0	18·9	0·8	16·1	0·9	15·9	1·0	3
4	17·2	2·0	18·0	2·0	17·5	1·4	15·5	0·8	15·1	0·9	18·9	0·8	16·0	1·0	15·9	1·0	4
5	17·1	1·7	18·1	2·1	16·6	1·4	15·5	0·9	14·9	1·1	18·7	0·7	15·9	1·0	15·8	1·0	5
6	18·2	2·0	17·8	2·1	17·3	1·3	15·1	0·8	15·0	1·2	18·6	0·6	16·8	0·8	15·8	1·1	6
7	18·0	2·1	17·0	0·9	15·6	0·5	16·1	1·0	15·1	1·0	18·7	0·5	16·9	0·8	15·3	1·0	7
8	19·1	2·9	18·0	1·5	17·6	1·3	18·6	1·3	19·2	1·4	19·8	0·6	20·3	1·1	18·3	0·6	8
9	20·0	3·3	19·2	0·9	20·1	2·1	20·3	2·2	20·3	1·8	21·7	2·0	22·1	2·1	21·1	2·4	9
10	22·0	4·7	20·6	3·2	21·1	3·6	21·0	2·8	22·1	3·1	22·5	2·4	23·1	3·2	21·4	3·6	10
11	21·4	4·3	21·8	4·0	21·0	3·1	22·3	4·2	22·1	3·2	22·8	2·7	23·3	3·8	22·2	4·2	11
Noon	22·1	5·0	21·8	3·9	21·8	5·0	22·2	4·3	23·2	3·6	23·2	3·0	23·7	4·0	22·3	4·1	Noon
13h	21·4	4·6	22·5	4·6	21·3	4·0	22·9	4·5	23·2	3·7	23·6	3·4	23·6	4·3	22·8	4·9	13h
14	20·1	2·4	21·9	4·1	22·1	4·3	22·9	5·0	23·1	3·7	23·1	3·0	23·6	4·7	22·9	5·0	14
15	21·7	4·6	21·4	3·5	21·8	4·6	22·3	4·1	22·9	3·6	22·9	3·1	23·2	4·1	22·8	5·0	15
16	21·0	4·0	21·3	4·2	21·6	4·3	21·8	3·7	22·0	2·9	22·4	2·7	22·9	4·3	21·9	3·9	16
17	19·2	2·0	20·2	2·7	20·8	3·6	20·8	2·9	21·1	2·2	21·8	1·9	21·9	3 5	20·9	3·0	17
18	18·5	2·2	19·2	2·5	19·1	2·2	19·0	1·8	20·2	1·8	20·2	1·2	19·8	1·9	19·2	2·1	18
19	18·1	2·1	18·6	1·9	18·2	2·1	18·1	1·5	19·3	1·2	18·8	1·0	18·5	1·4	18·3	1·9	19
20	17·9	1·8	18·1	1·2	17·2	1·6	17·4	1·2	19·2	1·0	18·0	0·9	17·9	1·6	17·8	1·7	20
21	18·0	1·8	19·1	1·4	16·7	1·6	17·3	1·0	19·1	1·0	17·6	0·7	17·2	1·1	17·4	1·4	21
22	18·1	1·4	18·1	1·4	17·3	1·2	17·0	1·2	19·3	1·1	18·0	0·7	16·9	1·0	17·3	1·2	22
23	17·5	1·7	17·8	1·8	16·9	1·2	16·1	1·1	19·1	1·0	17·2	0·4	16·6	1·0	17·9	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 1923

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	17·1	0·9	19·0	2·1	18·1	1·9	19·0	1·2	20·8	1·8	19·1	2·3	17·2	1.0	16·9	1·8	Midnight
1h	17·0	0·8	20·0	2·6	18·1	2·0	18·9	1·4	20·3	1·4	19·0	2·8	17·2	1·0	16·7	1·6	1h
2	17·0	0·9	19·6	1·7	17·9	1·5	18·7	1·4	20·1	1·3	19·0	2·9	17·8	1·1	16·1	1·2	2
3	16·9	0·9	19·3	1·1	18·1	1·2	18·2	1·1	20·1	1·3	19·0	2·6	17·4	0·9	16·7	1·4	3
4	16·2	0·9	19·3	1·0	18·0	1·9	18·4	1·4	20·0	1·7	19·0	2·4	17·6	1·1	16·5	1·3	4
5	16·0	1·0	19·1	1·3	18·0	3·0	18·8	1·6	20·1	1·8	18·9	2·5	17·9	1.5	16·5	1·2	5
6	16·1	1·8	19·1	1·2	17·5	2·3	18·9	1·5	19·4	1·3	18·3	2·3	18·2	1·2	17·3	1·2	6
7	14·9	1·0	19·1	1·9	16·5	2·2	19·0	1·4	19·3	1.3	17·9	1·7	18·2	1·5	17·1	1·1	7
8	19·3	1·4	20·0	2·4	19·0	2·9	20·5	2·0	20·9	2·6	20·2	2·6	19·9	3·0	18·7	0·9	8
9	21·2	3·1	21·3	3.4	19·8	4.5	21·9	2·7	21·1	2·8	21·3	3·4	21·5	3·3	20·7	2·6	9
10	22·3	3·9	21·5	3·6	21·1	4·5	22·5	3·4	21·9	3·2	21·7	4·4	22·1	4·0	19·2	0·9	10
11	23·1	4·4	21·5	3·7	22·1	5·3	23·2	3·4	22·0	3·7	21·5	4·3	22·9	4·9	20·4	1·5	11
Noon	23·4	5·2	21·5	3·5	22·0	4·7	22·7	3·1	23·0	4·3	22·5	5·0	23·0	5·0	20·8	1·6	Noon
13h	23·5	5·3	21·5	4·3	22·3	4·9	23·2	3·3	23·0	4·1	22·8	5·3	23·1	4·8	20·0	1·1	13h
14	23·2	4·9	21·3	3·8	22·3	5·1	23·1	3·3	23·0	4·4	22·7	5·0	22·3	4·0	19·9	1·0	14
15	23·0	4·8	21·8	4·5	22·0	4.8	22·1	2·2	22·1	3·6	21·9	4·3	22·3	4·1	20·2	1·7	15
16	21·9	4·0	20·9	4·0	21·2	4·2	22·1	2·6	22·0	3·2	21·3	3·7	20 9	2·9	20·7	2·8	16
17	21·9	3·9	20·5	3·7	20·7	3·6	21·2	2·0	21·1	2·9	20·8	3·7	19·5	2·5	20·0	2·6	17
18	20·1	2·8	20·0	3·5	19·9	3.3	20·3	1·7	20·5	2·9	19·3	2·3	18·6	1·5	18·7	1·7	18
19	19·9	2·8	19·3	2·5	19·5	2·6	20·0	1·5	19·8	2·7	19·1	2·3	18·2	1·7	18·0	1·4	19
20	19·8	2·7	19·1	2 2	19·1	2·2	19·9	1·6	19·6	2·6	19·0	2·4	17·9	1·6	17·2	1·2	20
21	19·2	2·5	19·3	3·2	19·1	2·1	20·2	1·4	19·2	2·5	18·6	2·4	18·3	1·5	16·8	1·5	21
22	19.3	2·4	18·9	2·8	19·0	2·1	20·3	1·4	19·1	2·6	17·9	1·6	17·9	1·7	16·0	1·0	22
23	19·6	2·7	18·2	2·0	18·9	1·3	20·1	1·2	19·1	2.4	17·8	1·2	18·1	1·7	15·2	0·9	23

Hour. \ Day.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean. Air.	Mean. Excess of Air over Evap	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	16·0	1·1	19·0	0·9	19·2	1·1	19·0	0·6	18·1	1·2	15·2	0·3	18·9	1·3	18·2	1·3	Midnight
1h	15·7	1·0	19·0	0·7	18·9	0·8	19·3	0·5	18·3	1·1	14·8	0·7	19·0	1·2	18·0	1·2	1h
2	15·3	1·0	19·0	0·6	18·1	0·8	19·4	0·5	18 0	0·9	16·1	0·9	18·7	0·8	17·9	1·2	2
3	17·8	1·2	18·9	0·8	18·2	0·5	19·0	0·5	18·2	0·9	15·8	0·9	18·3	1·0	17·7	1·1	3
4	18·2	1·3	18·9	0·5	17·8	0·8	18·9	0·8	18·1	1·0	15·5	0·7	18·2	0·9	17·7	1·1	4
5	18·4	1·3	19·0	0·3	18·3	0·2	19·0	0·8	18·6	0·8	15·4	0·6	18·2	1·1	17·6	1·2	5
6	18·7	1·7	18·9	0·7	18·8	0·6	19·0	0·8	18·3	0·4	15·8	1·1	18·1	1·0	17·8	1·2	6
7	18·8	1·9	19·0	0·6	18·9	0·9	19·1	0·8	18·3	0·7	15·9	1·2	18·1	0·9	17·6	1·1	7
8	20·0	1·9	19·1	0·6	20·2	1·0	20·0	1.0	20·1	1·2	19·2	1·4	20·6	2·2	19·7	1·5	8
9	21·1	2·4	20·2	1·1	22·3	2·5	21·3	2·4	21·9	1·9	21·6	3·3	21·7	2·8	21·2	2·4	9
10	20·4	2·3	21·2	1·9	22·6	2·8	20·5	1.8	22·6	2·9	22·7	3·6	22·2	3·1	22·0	3·2	10
11	21·4	3·2	22·0	2·4	22·3	2·4	20·8	0·8	22·9	3·6	23·6	4·0	22·6	3·5	22·4	3·4	11
Noon	22·5	4·3	22·7	3·5	23·4	3·7	20·7	1·5	23·3	3·5	23·7	4·0	23·2	4·0	22·8	3·8	Noon
13h	22·8	5·1	22·6	3·3	23·3	4·1	22·5	2·5	23·3	3·3	21·8	2·0	22·5	3·3	22·7	3·8	13h
14	22·5	4·7	22·2	2·8	23·2	3·3	22·7	2·9	23·4	3·4	21·4	2·2	22·8	3·7	22·6	3·6	14
15	22·8	5·5	22·5	3·4	22·6	3·1	22·6	3·4	23·1	3·0	21·1	1·5	23·0	4·0	22·4	3·6	15
16	21·8	3·9	22·1	3·1	22·4	3·0	22·0	2·8	22·1	3·8	21·2	2·2	22·3	3·5	21·8	3·3	16
17	20·6	2·4	21·3	2·5	21·2	2·0	21·1	2·0	21·1	2·7	20·3	2·2	21·2	2·5	21·0	2·7	17
18	19·3	1·5	20·2	1·9	20·1	1·3	20·2	1·5	19·5	1·4	18·9	1·2	20·2	1·9	19·8	1·9	18
19	19·0	1·5	19·6	1·7	19·9	1·2	19·9	1·1	17·9	0·9	19·1	1·7	19·2	1·4	19·2	1·7	19
20	19·0	1·4	19·2	1·1	19·9	1·0	19·9	1·2	17·4	1·3	19·2	1·2	18·8	0·7	18·9	1·5	20
21	18·9	1·2	19·8	1·4	19·7	1·0	19·6	1·0	17·2	0·7	19·1	1·2	18·9	1·2	18·8	1·5	21
22	19 0	0 8	19·6	1·3	19·2	0·9	18·9	1 0	16·8	1·0	19·1	1·2	18·9	1·1	18·6	1·4	22
23	19·3	0·6	19·1	1·1	19·1	0·9	18·2	1·1	16·2	1 0	19·1	1·2	18·3	1·2	18·4	1·3	23

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

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

JULY 1923.

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	887	919	894	913	894	915	893	917	900	920	892	918	892	911	881	929	Midnight
1h	889	916	893	916	893	917	891	922	895	925	892	918	891	913	891	909	1h
2	890	915	891	913	892	918	894	913	896	920	891	922	890	915	887	913	2
3	890	915	892	911	894	915	893	916	893	916	894	914	887	919	887	913	3
4	891	913	896	907	894	914	896	910	892	918	893	916	889	929	883	925	4
5	888	919	891	912	894	915	893	916	892	919	893	915	886	921	872	942	5
6	890	914	891	913	893	915	892	918	894	915	894	914	887	933	886	935	6
7	896	906	893	910	891	921	893	915	892	918	894	913	890	925	884	939	7
8	888	912	892	911	890	925	892	918	890	925	893	916	889	928	883	943	8
9	895	905	896	921	900	934	892	939	887	932	893	936	886	936	883	941	9
10	891	921	894	931	900	940	882	944	891	942	891	942	891	943	890	951	10
11	895	926	900	942	900	940	890	947	891	944	893	935	882	945	888	959	11
Noon	900	933	891	945	900	946	891	942	900	949	891	944	881	947	900	950	Noon
13h	900	931	891	943	908	937	900	956	892	937	892	937	880	948	900	965	13h
14	892	920	893	934	900	948	909	943	891	944	891	942	883	942	888	958	14
15	890	890	891	946	910	949	893	934	891	943	890	949	875	938	891	944	15
16	892	892	892	937	900	944	900	947	900	936	892	939	867	950	879	951	16
17	893	916	892	937	900	933	900	940	891	942	889	929	875	937	887	933	17
18	893	916	893	935	900	926	900	927	888	931	892	918	881	929	888	931	18
19	896	918	895	922	895	925	894	928	896	921	890	924	880	930	889	928	19
20	896	910	900	921	897	916	900	929	890	925	890	923	872	928	888	931	20
21	890	924	900	925	897	917	900	932	890	925	894	914	879	932	893	935	21
22	891	921	900	916	891	922	900	918	890	924	892	918	887	934	893	926	22
23	890	925	900	918	893	915	900	920	892	918	889	929	886	934	892	939	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	889	954	892	910	900	922	889	927	893	916	894	913	894	914	900	916	Midnight
1h	883	941	892	919	900	922	892	919	889	916	895	912	893	917	900	922	1h
2	890	924	890	924	892	918	894	914	890	915	894	914	895	912	900	918	2
3	888	931	894	928	892	919	893	933	890	915	896	910	894	915	900	920	3
4	887	920	894	930	882	927	896	921	886	921	896	910	893	916	900	915	4
5	882	927	893	932	900	936	896	920	889	917	894	914	891	922	900	918	5
6	881	928	894	928	893	916	897	916	889	916	896	910	891	922	900	918	6
7	890	923	896	919	892	918	891	921	889	916	896	910	894	913	900	920	7
8	886	934	891	922	893	916	889	916	890	914	909	907	892	918	896	918	8
9	893	936	914	934	875	917	885	924	889	928	910	925	908	920	894	928	9
10	885	975	926	962	878	922	887	932	900	936	918	927	923	923	900	940	10
11	886	970	931	946	900	941	900	943	900	936	920	930	919	928	900	946	11
Noon	888	961	913	965	909	943	900	934	900	940	927	927	922	932	900	952	Noon
13h	887	963	917	941	892	938	885	937	892	941	949	933	919	929	900	933	13h
14	900	960	900	944	916	939	900	936	893	935	914	934	912	931	900	951	14
15	900	963	887	962	910	947	890	947	893	932	911	929	913	934	900	949	15
16	875	961	889	952	900	938	885	938	900	943	913	920	911	928	893	934	16
17	883	941	900	938	900	925	893	932	891	946	915	923	908	918	897	917	17
18	886	936	889	926	896	918	890	924	900	930	907	917	903	915	895	912	18
19	885	924	892	920	897	913	888	919	895	922	903	914	903	917	891	912	19
20	890	915	893	917	894	913	892	918	892	920	897	913	900	917	893	909	20
21	889	929	890	923	894	914	890	923	891	921	896	919	900	918	890	914	21
22	892	919	892	919	893	916	893	915	892	919	893	915	900	914	890	915	22
23	893	916	893	915	893	916	893	916	896	910	892	919	900	919	889	917	23

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

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

JULY 1923.

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	893	916	893	907	881	947	888	961	890	950	880	930	887	913	887	913	Midnight
1h	889	928	873	927	886	935	886	936	885	938	889	929	888	918	890	910	1h
2	893	916	886	921	884	939	882	927	887	934	887	933	888	918	887	913	2
3	890	923	890	925	882	945	877	934	885	937	884	939	887	920	889	917	3
4	892	919	890	923	884	940	892	911	883	942	881	946	889	926	890	915	4
5	889	917	886	934	885	937	882	927	885	938	876	936	885	924	889	916	5
6	890	915	886	921	894	930	882	927	886	936	868	932	885	937	886	922	6
7	885	915	879	950	892	938	888	930	883	941	878	922	879	932	894	913	7
8	880	920	873	941	900	947	888	930	880	948	883	941	874	940	884	924	8
9	881	919	859	962	900	952	879	951	875	961	889	952	879	952	881	946	9
10	876	936	864	954	886	968	879	950	875	960	887	964	876	957	911	954	10
11	886	935	876	962	885	977	889	956	869	975	888	959	887	962	900	961	11
Noon	865	935	871	969	887	964	890	951	877	956	888	960	884	980	900	946	Noon
13h	868	947	868	977	887	964	888	961	875	961	888	957	886	970	891	944	13h
14	859	962	867	980	888	957	889	955	871	969	888	958	883	986	900	954	14
15	863	957	866	982	888	959	882	944	878	952	880	949	873	966	879	951	15
16	863	956	871	970	888	957	889	956	879	952	874	962	880	948	889	956	16
17	860	940	872	968	891	943	900	954	889	956	880	949	895	925	877	956	17
18	867	933	872	968	893	932	893	932	880	948	887	934	883	925	888	931	18
19	869	931	875	959	890	947	893	933	887	934	886	934	890	914	893	916	19
20	864	936	877	955	889	953	884	939	878	932	878	932	890	915	886	914	20
21	876	924	875	960	890	949	887	933	875	938	885	923	890	923	887	913	21
22	877	923	874	962	900	945	888	930	878	922	885	915	891	922	887	913	22
23	875	925	872	967	893	935	886	934	889	928	884	916	884	916	885	915	23

Hour \ Day.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	31d. N.	31d. E.	Mean. N.	Mean. E.	Hour \ Day.
Midnight	892	918	900	936	900	924	900	918	895	923	880	900	879	932	891	923	Midnight
1h	888	919	900	915	900	913	889	928	895	924	882	900	885	915	890	920	1h
2	885	915	900	932	900	918	891	921	895	924	880	904	888	918	891	919	2
3	887	933	900	937	896	918	891	921	895	923	882	904	885	923	890	922	3
4	883	942	900	933	896	921	893	917	894	930	892	908	880	930	891	922	4
5	884	939	900	927	919	912	889	926	900	926	890	910	887	933	890	924	5
6	878	953	900	943	909	907	894	929	895	923	884	907	881	928	890	923	6
7	881	928	900	941	900	914	891	942	892	919	892	906	889	928	890	923	7
8	887	934	900	950	891	913	900	939	892	918	882	918	878	932	899	926	8
9	879	952	900	947	911	955	900	942	906	930	880	920	884	939	890	937	9
10	891	946	900	960	920	949	893	935	915	937	875	938	880	948	893	945	10
11	900	962	913	962	923	934	914	934	913	934	879	951	890	948	897	948	11
Noon	900	966	927	966	918	943	930	930	914	934	890	951	900	951	899	949	Noon
13h	900	970	913	964	918	944	900	945	913	933	890	947	888	957	896	949	13h
14	900	957	910	949	924	957	900	952	916	940	885	938	888	960	895	950	14
15	890	947	914	967	911	954	900	961	914	922	877	935	881	946	891	947	15
16	900	951	912	957	900	940	900	962	910	925	883	941	884	940	891	945	16
17	900	956	912	957	900	948	900	950	900	912	880	949	883	941	892	939	17
18	893	935	900	942	893	932	900	928	897	913	883	941	885	923	891	929	18
19	900	934	900	934	890	923	892	920	900	912	881	928	884	916	891	925	19
20	894	929	900	930	890	924	886	934	894	913	883	925	887	913	889	924	20
21	895	923	900	940	890	925	894	930	896	906	875	925	886	922	890	926	21
22	900	924	900	934	900	915	900	932	890	904	876	936	889	916	891	923	22
23	900	939	900	927	907	936	900	924	889	902	892	920	889	917	892	923	23

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

JULY 1923.

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	2·3	6	1·4	6	1·6	6	1·9	8	2·0	6	2·0	5	1·4	5	3·5	7	5·5	5	1·3	8	2·2	6	2·9	6	1·8	6	1·4	6	1·5	8	1·6
1h	5	1·9	6	1·8	6	1·9	6	2·4	7	2·6	6	2·0	5	1·6	4	1·3	6	4·4	6	2·1	8	2·2	6	2·1	5	1·9	6	1·3	6	1·9	8	2·2
2	5	1·8	5	1·6	6	2·0	6	1·4	7	2·0	6	2·4	5	1·8	4	1·8	6	2·6	6	2·6	6	2·0	6	1·5	5	1·8	6	1·5	6	1·3	8	1·8
3	5	1·8	5	1·4	6	1·6	6	1·8	6	1·8	6	1·5	5	2·3	4	1·8	6	3·3	7	2·9	6	2·1	7	3·4	5	1·8	6	1·1	6	1·6	8	2·0
4	5	1·6	5	0·8	6	1·5	6	1·1	6	2·0	6	1·8	6	3·1	5	3·0	5	2·4	7	3·1	5	3·2	7	2·2	5	2·5	6	1·1	6	1·8	8	1·5
5	5	2·2	5	1·5	6	1·6	6	1·8	6	2·1	6	1·7	5	2·5	5	5·1	5	3·2	7	3·3	8	3·6	7	2·0	5	2·0	6	1·5	6	2·4	8	1·8
6	5	1·7	5	1·6	6	1·7	6	2·0	6	1·6	6	1·5	6	3·5	6	3·8	5	3·4	7	2·9	6	1·8	7	1·6	5	1·9	6	1·1	6	2·4	8	1·8
7	5	0·7	5	1·2	6	2·3	6	1·7	6	2·0	6	1·4	6	2·7	6	4·2	6	2·5	7	1·9	6	2·0	6	2·3	5	1·9	6	1·1	6	1·4	d 8	2·0
8	4	1·7	5	1·4	6	2·7	6	2·0	6	2·7	6	1·8	6	3·0	6	4·6	6	3·7	6	2·4	6	1·8	5	1·9	5	1·7	13	1·1	6	2·0	7	1·8
9	4	0·7	7	2·2	8	3·4	7	4·0	6	3·4	7	3·7	6	3·9	6	4·4	7	3·7	10	3·7	3	3·0	5	2·8	6	3·0	10	2·7	10	2·2	7	2·9
10	6	2·3	7	3·2	8	4·0	6	4·8	7	4·3	7	4·3	7	4·4	7	5·2	7	7·6	10	6·7	4	3·1	6	3·4	8	3·6	11	3·2	12	3·3	r 8	4·0
11	7	2·7	8	4·2	8	4·0	7	4·8	7	4·5	7	3·6	6	4·9	7	6·0	7	7·1	11	5·6	8	4·1	8	4·3	8	3·6	11	3·6	11	3·4	8	4·6
Noon	8	3·3	7	4·6	8	4·6	7	4·3	8	4·9	7	4·5	6	5·1	8	5·0	7	6·2	9	6·6	9	4·4	8	3·4	8	4·0	12	3·9	11	3·9	8	5·2
13h	8	3·1	7	4·4	9	3·8	8	5·6	7	3·8	7	3·8	6	5·2	8	6·5	7	6·4	10	4·4	7	3·9	6	4·0	7	4·2	13	5·9	11	3·5	8	3·3
14	6	2.2	7	3·5	8	4·8	9	4·4	7	4·5	7	4·3	6	4·5	7	5·9	8	6·0	8	4·4	10	4·2	8	3·6	7	3·6	10	3·7	10	3·3	8	5·1
15	r 28	1·4	7	4·7	9	5·0	7	3·5	7	4·4	7	5·0	5	4·6	7	4·5	8	6·3	7	6·3	9	4·8	7	4·8	7	3·3	10	3·1	10	3·6	8	4·9
16	28	1·1	7	3·8	8	4·4	8	4·7	8	3·6	7	4·0	5	6·0	6	5·5	6	6·6	7	5·3	8	3·8	6	4·1	8	4·3	11	2·4	10	3·0	7	3·5
17	d 6	1·8	7	3·8	8	3·3	8	4·0	7	4·3	6	3·1	5	4·5	6	3·5	6	4·4	8	3·8	8	2·5	7	3·3	7	4·7	11	2·7	10	2·0	7	1·7
18	6	1·8	7	3·6	8	2·6	8	2·7	6	3·3	6	2·0	5	3·5	6	3·3	6	3·9	8	2·8	7	1·8	6	2·6	8	3·0	10	1·9	9	1·5	6	1·3
19	7	1·8	7	2·3	7	2·6	7	2·9	7	2·1	6	2·6	5	3·6	6	3·0	5	2·8	6	2·2	7	1·3	5	2·2	7	2·3	9	1·4	9	1·7	5	1·5
20	6	1·1	8	2·1	7	1·6	8	2·9	6	2·7	6	2·5	4	4·0	6	3·3	5	1·8	6	1·9	6	1·4	6	2·0	6	2·2	7	1·3	8	1·7	5	1·1
21	6	2·6	8	2·5	7	1·7	8	3·2	6	2·7	6	1·5	5	3·8	7	3·6	6	3·1	6	2·5	6	1·5	6	2·5	6	2·3	7	1·9	8	1·8	5	1·7
22	6	2·3	8	1·6	6	2·4	8	1·8	6	2·6	6	2·0	6	3·6	7	3·7	6	2·1	6	2·1	6	1·8	6	1·7	6	2·1	6	1·7	8	1·4	5	1·8
23	6	2·7	8	1·8	6	1·7	8	2·0	6	2·0	6	3·1	6	3·7	7	4·0	6	1·8	6	1·7	6	1·8	6	1·8	6	1·1	6	2·1	8	1·9	5	2·0

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	1·8	4	1·0	6	5·1	7	6·2	7	5·1	5	3·6	4	1·8	4	1·9	6	2·0	8	3·6	8	2·4	8	1·8	7	2·4	0	2·0	5	3·8	2·5
1h	6	3·0	4	3·9	6	3·8	6	3·9	6	4·1	6	3·1	5	2·1	4	1·4	5	2·2	8	1·5	8	1·3	6	3·0	7	2·5	0	1·8	4	2·1	2·4
2	6	1·8	5	2·5	6	4·2	5	3·3	6	3·6	6	3·5	5	2·1	4	1·9	4	2·2	8	3·2	8	1·8	6	2·3	7	2·5	1	2·0	5	2·1	2·2
3	6	2·5	6	2·7	6	4·9	5	4·1	6	4·0	6	4·2	5	2·4	5	2·0	6	3·5	8	3·7	7	1·8	6	2·3	7	2·4	1	1·8	5	2·7	2·5
4	6	2·1	6	2·5	6	4·3	5	1·4	6	4·5	6	5·0	6	2·8	5	1·8	6	4·5	8	3·3	7	2·2	6	1·9	7	3·1	4	1·1	5	3·6	2·5
5	5	2·0	6	3·7	6	4·0	5	3·3	6	4·1	5	4·4	5	2·8	5	1·9	6	4·2	8	2·7	13	2·2	6	2·8	8	2·6	4	1·4	6	3·5	2·7
6	5	1·8	5	2·5	7	3·1	5	3·3	6	3·9	4	4·6	6	4·0	5	2·6	6	5·8	8	4·3	13	1·1	7	3·0	7	2·4	2	1·8	5	3·4	2·6
7	4	2·2	6	5·4	7	3·9	6	3·2	6	4·4	4	3·2	5	3·8	6	1·4	5	3·4	8	4·1	8	1·4	7	4·3	6	2·1	3	1·0	6	3·0	2·5
8	4	2·9	5	4·9	8	4·7	6	3·2	6	5·2	6	4·4	5	4·8	5	2·9	6	3·6	8	5·0	5	1·6	8	3·9	6	2·0	4	2·6	5	3·9	3·0
9	4	2·7	5	7·4	8	5·2	6	5·5	6	6·6	7	5·3	6	5·6	6	5·0	6	5·6	8	4·7	9	5·6	8	4·2	9	3·1	4	2·9	6	4·2	4·0
10	5	4·4	5	6·5	7	6.9	6	5·4	6	6·5	7	6·5	6	6·2	9	5·5	7	4·7	8	6·0	10	5·3	7	3·6	10	4·0	5	4·6	6	5·2	4·8
11	6	3·8	6	6·7	7	7·8	7	5·7	6	8·1	7	6·0	7	6·3	8	6·1	8	6·2	9	6·3	11	4·1	10	3·7	10	3·6	6	5·5	7	4·9	5·0
Noon	4	5·0	6	7·5	7	6·5	7	5·2	6	6·1	7	6·1	7	8·2	8	4·6	8	6·6	10	7·1	10	4·7	12	4·3	10	3·7	7	5·2	8	5·1	5·2
13h	5	5·7	6	8·3	7	6·5	7	6·2	6	6·6	7	5·8	7	7·1	7	4·5	8	7·0	9	6·5	10	4·8	8	4·5	10	3·5	7	4·8	7	5·8	5·2
14	5	7·4	6	8·7	7	5·8	7	5·6	6	7·5	7	5·9	7	8·8	8	5·4	8	5·7	9	5·0	10	6·2	8	5·2	10	4·3	6	4·1	7	6·1	5·2
15	5	6·8	6	8·9	7	6·0	6	4·8	6	5·7	6	5·3	6	7·1	6	5·5	7	4·8	9	6·8	9	5·5	8	6·1	11	2·6	5	4·2	6	5·0	5·0
16	5	6·7	6	·6	7	5·8	7	5·7	6	5·6	6	6·7	6	5·2	7	5·7	8	5·1	9	5·8	8	4·0	8	6·2	10	2·7	6	4·4	6	4·3	4·8
17	4	5·7	6	7·4	7	4·4	8	5·4	7	5·7	6	5·3	7	2·6	6	6·1	8	5·6	9	5·8	8	4·8	8	5·0	8	1·2	6	5·3	6	4·4	4·1
18	4	4·7	6	7·4	7	3·3	7	3·3	6	5·2	6	3·6	5	3·0	6	3·3	7	3·6	8	4·2	7	3·3	8	2·8	7	1·3	6	4·4	5	2·7	3·1
19	4	4·4	6	6·4	7	4·8	7	3·4	6	3·6	6	3·7	5	1·7	6	1·8	8	3·4	8	3·4	6	2·5	6	2·2	8	1·2	5	3·4	4	2·3	2·7
20	4	5·2	6	6·0	7	5·4	6	4·2	5	3·9	5	3·9	5	1.8	4	2·0	7	3·0	8	3·0	6	2·6	6	3·7	6	1·4	5	3·0	4	1·8	2·7
21	4	3·4	6	6·5	7	5·0	6	3·5	5	4·6	5	2·7	6	2.5	4	1·8	7	2·4	8	4·0	6	2·7	7	3·1	5	0·7	4	3·6	5	2·6	2·8
22	4	3·3	6	6·7	8	4·5	6	3·2	4	3·2	4	2·2	6	2·4	4	1·8	8	2·4	8	3·4	8	1·5	8	3·2	2	1·1	5	4·3	5	1·9	2·6
23	4	3·5	6	7·2	7	3·6	6	3·7	6	3·0	4	2·3	4	2·3	4	2·1	8	3·9	8	2·7	9	3·7	8	2·4	1	1·1	6	2·2	5	2·0	2·6

d = direct ; r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JULY 1923.

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	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	0·8	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	.	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8	...	0·2	...	...	...
5	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	0·2	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	0.3	...	...	3·6	...	...
7	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0.3	...	...	0·4	...	...
8	...	...	...	...	...	...	...	...	...	0.5	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	0.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.6	...	...	...	0.3	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	1.0	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	.	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	...	...	...	...	...	0·2	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...
17	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	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 JULY 1923.

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	1.40	35·5	69·6	8
	3	Belmont	50	1.18	30·0	66·0	7
	4	Poudre d'Or	20	0.85	21·5	64·0	6
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	2·91	73·9	89·2	9
	7	Forbach*	300	0·96	24·6	...	7
	8	Labourdonnais ...	290	0·44	11·0	82·0	5
	9	Beau Séjour	300	1·60	40·6	116·1	13
	10	Mont Piton	860	1·29	32·8	102·1	9
	11	Mon Choix	700	1·29	32·8	89·7	8
	12	Antoinette	640	4·93	125·2	104·9	14
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	2·60	66.0	112·8	12
	15	Mon Songe	1,620	0·79	20·1	113·0	6
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	1·99	50·5	82·8	15
	19	The Observatory ...	179	...	...	...	...
	20	Solitude	175	...	..	...	...
	21	St. André	90	...	...	...	...
	22	Belle Vue Harel* ...	350	1·82	46·2	...	9
	23	Mont Choisy*	10	0·16	4·1	...	1
	25	Esperance (Trébuchet)*	165	1·40	35.6	...	5
	28	Mon Rocher*	...	1·46	37·1	...	11
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station* ...	106	0·22	5·5	...	3
	47	Terre Rouge Station* ...	137	Nil	Nil	...	Nil
	48	Mapou Station* ...	296	0·96	24·5	...	6
	49	Poudre d'Or Station* ...	172	0·53	13.5	...	3
	50	Rivière du Rempart* ...	134	0·32	8·0	...	1
2&3	1	Union Régnard ...	600	1·87	47·4	117·9	21
	2	Constance d'Arifat L.G...	100	0·86	21·8	94·5	11
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	1,600	2.28	57·9	122·7	18
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	1·94	49·3	...	18
	7	Belle Mare*	...	1·13	28·7	...	8
	8	Bel Etang (Lesur)* ...	...	2·26	57·4	...	10
	9	Belle Vue (Allendy)* ...	...	1·03	26·2	...	11
	10	St. Julien E(K. Reetoo)*	...	1·93	50·0	...	6
4	1	Sans Souci	900	4·63	117·6	234·9	26
	2	Etoile	400	2·30	58·4	177·0	9
	3	Beau Champ	20	1·61	40·9	74·7	6
	4	Belle Rive*	400	3·00	26·2	...	15
	5	Olivia	400	2·24	54·9	123·9	12
	6	Deep River*	350	2·60	66·0	...	12
	7	Belle Rose Estate* ...	...	1·75	44·1	...	17
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	5·25	133·3	...	31
5	1	Rose Belle*	850	4·91	124·7	...	18
	2	Riche-en-Eau	460	2·45	62·2	142·2	9
	3	Ferney	20	2·08	52·7	139·4	18
	4	Beau Vallon	60	0·88	22·0	89·4	2
	5	Union Vale	200	1·51	38·3	119·6	15

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	0·81	20·6	...	10
	7	Cluny§	1,000	...	...	...	...
	8	Union Park*	...	7·20	182·9	...	20
	9	Sauveterre Estate* ...	...	1·02	25·9	...	6
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	6·17	156·7	228·9	18
	2	Tivoli*	1,300	5·30	134·6	...	20
	3	La Flora*	1,050	9·07	230·4	...	22
	4	Britannia	730	3·12	79·2	166·6	19
	5	Savannah (Mill) ...	200	0·89	22.6	105·9	3
	6	St. Aubin	300	1·54	39·0	118·1	13
	7	Union B.A.St.Félix S.E.	90	...	...	...	...
	8	Beau Bois	350	3·48	88·5	161·3	13
	9	St. Avold*	900	3·21	81·5	...	20
	10	Terracine§	100	...	...	...	...
	12	Bel Air	...	1·60	40·6	...	7
	13	Chamouny*	...	3·59	91·2	...	7
	14	Union S. E.*	...	1·46	37·0	...	7
	15	Fontenelle*	...	1·38	35·0	...	6
	16	Combo*	...	1·44	36·6	...	6
	17	St. Felix (Wilson)* ...	...	1·29	32·8	...	7
	18	Choisy Estate*	...	0·70	17·8	...	4
7, 8 & 9	1	Bel Ombre	40	0·90	22·9	81·8	7
	3	Beau Champ*	...	0·79	20·1	...	6
	4	Board*	...	1·27	32·2	...	6
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10	...	No returns.	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	6·88	174·7	197·4	23
	3	Mare aux Vacoas ...	1,850	7·00	177·8	254·5	20
	4	La Marie Filter Bed ...	1,700	3·29	83·6	150·4	21
	5	Réunion	1,420	2·71	68·8	137·7	11
12	1	The Manse	850	1·32	33·5	53·8	26
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	2·16	54·7	62·0	27
	4	Alma	1,460	3·16	80.3	210·1	18
	5	Bagatelle	1,250	3·80	96·5	113·8	18
	6	Highlands*	1,300	2·60	66·0	...	17
	7	Trianon	950	1·07	27·2	70·1	13
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	0·53	13·5	...	9
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	1·79	45·5	81·3	24
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	1·90	48·2	...	7
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock ...	18	0·60	15·2	22·4	1

* Normals not available § Record not Receive

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

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

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

AUGUST 1923

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

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Weather Bureau

PORT LOUIS

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1924.

TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of AUGUST 1923.

Month and Day. 1923.	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)	List of Earthquakes. Date.	Register Number.	N.-S. Component. Time of, Prel. Tremors.	Maximum.	End.	Amplitude.	E.-W. Component. Time of, Prel. Tremors.	Maximum.	End.	Amplitude.	Remarks.
AUG:	° ′			′													
1	10.50·8	·22979	·29992	6·0	32	25	...	...	...	...	...	...	...	...	...	...	Repairs to basement; Instrument dismounted.
2	50·7	980	·29989	5·4	16	14											
3	50·3	975	·29993	4·6	70	16											
4	50·8	969	·29995	6·1	41	16											
5	50·8	975	·29996	6·0	34	26											
6	51·0	977	·29998	4·5	43	21											
7	51·3	977	·29995	5·7	28	34											
8	51·8	984	·30001	5·7	27	19											
9	52·0	981	·30003	6·8	22	26											
10	52·1	990	·30003	4·2	40	13											
11	52·1	982	·30002	6·8	17	31											
12	52.1	·22990	·30005	4·5	30	21											
13	51·6	.23000	·30006	3·1	29	10											
14	51·6	·22983	·30010	2·7	43	16											
15	51·7	978	·30010	4·7	46	20											
16	51·9	985	·30013	5·6	22	11											
17	51·6	986	·30011	6·7	19	26											
18	51·4	·22992	·30012	5·8	21	10											
19	51·5	·23001	·30010	4·6	34	15											
20	51·5	·22992	·30013	2·7	26	8											
21	51·2	990	·30015	6·5	21	16											
22	51·6	991	·30015	6·1	20	8											
23	51·5	988	·30011	5·8	27	21											
24	51·6	988	·30008	7·1	52	47											
25	51·5	984	·30009	6·7	25	28											
26	51·9	987	·30012	7·5	17	23											
27	51·7	986	·30010	6·7	20	29											
28	51·6	980	·30010	4·1	21	25											
29	51·5	984	·30007	5·1	18	29											
30	51·5	992	·30007	5·5	14	29											
31	51.6	990	·30009	6.0	28	20											
Mean	10 51 5	·22985	·30005	5.46	29.1	21·1	...	...	...	...	...	...	...	...	...	...	...

T=0 37796 : Mean Dip.=θ=52°.32′·79 (X=·22575 : Y=−·04330 : Z=·30005).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of AUGUST 1923.

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	° ′	
Aug. 3.13·18	10·47·88	Aug. 1· 10·8	·23018	Aug. 1·10·31	52.32·34	·30007	Aug. 1. 13.50	52.32.56	·29971
3.11·00	10·50·97	1·13·29	·22980	3·10·13	52·32·81	·30010	3. 13.31	52·31·84	·29975
10.13·48	10·53·02	7· 9·10	·22993	10.13.57	52.32.80	·30039	...	...	...
17. 8·37	10·51·95	7·13·13	·22982	17. 8.57	52.33.89	·30031	...	...	...
17.13·38	10·50.15	17·13·23	·22976	20.10.54	52.30·92	·29995	20·13·37	52·30·09	·29962
24.12·17	10.54.56	17.11.22	·22972	24.13.40	52.32.12	·29991	...	...	...
24.13.48	10·46.88	22.13.45	·22985	27.10.50	52.33.40	·30012	27·13·52	52.30.00	·29965
27. 8.37	10·51.86	22.11.12	·23004						
27.13.43	10·47.84	29.13·27	·23005						
		29. 9.00	·22988						

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

AUGUST 1923.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	51·0	51·0	51·0	51·8	51·6	51·5	52·0	51·8	52·0	52·1	51·7	51·7	51·7	51·5	52·0	52·2	Midnight
1h	51·2	51·0	51·3	51·9	51·0	51·2	52·2	51·9	52·2	52·2	53·0	52·0	51·7	51·7	52·0	52·1	1h
2	51·3	50·7	50·7	49·9	50·8	50·8	51·5	51·8	52·3	52·1	52·1	52·0	51·8	51·7	51·9	52·2	2
3	51·3	50·5	49·8	50·5	50·7	50·5	51·0	51·5	52·3	51·8	51·9	53·2	51·6	52·2	52·1	52.2	3
4	51·3	50·3	49·8	50·5	50·7	50·4	51·3	51·5	53·0	51·5	51·8	52·1	52·0	52·0	51·7	52·2	4
5	50·7	50·2	49·8	50·3	50·5	50·3	50·7	51·3	51·3	51·5	51·7	52·0	51·7	51·8	51·7	52·2	5
6	50·4	50·0	50·0	50·5	50·0	49·9	50·3	51·3	51·0	51·3	51·0	51·9	51·5	51·7	51·8	52·0	6
7	49·5	49·3	49·7	49·6	49·6	49·8	49·7	50·8	49·7	50·0	50·0	50·5	49·7	50·3	50·7	51·0	7
8	49·8	50·2	49·3	49·3	49·8	49·9	50·0	50·7	49·8	50·2	50·7	50·5	49·5	51·5	50·5	51·3	8
9	51·2	52·3	49·9	49·5	52·0	51·0	52·0	52·5	52·3	52·0	53·0	51·5	50·5	50·0	52·0	52·5	9
10	52·7	53·2	51·3	51·8	53·3	52·5	53·3	53·0	53·7	53·3	54·7	53·5	51·3	51·0	54·0	53·5	10
11	53·3	52·8	51·8	53·9	53·8	52·8	54·0	53·5	54·7	53·2	55·3	54·7	52·5	52·5	53·9	54·1	11
Noon	52·5	52·0	50·3	52·8	53·0	52·3	53·7	53·3	55·5	53·5	55·5	54·8	52·6	52·3	53·5	53·3	Noon
13h	52·0	49·5	48·0	51·0	49·8	51·0	51·5	51·5	55·0	53·8	54·5	54·5	52·2	52·0	52·2	51·5	13h
14	49·2	48·0	47·8	48·5	48·5	50·0	49·5	50·7	52·8	54·2	52·7	53·0	52·2	52·2	50·3	49·0	14
15	47·3	47·8	47·4	47·8	48·0	48·7	48·3	50·5	49·5	52·5	50·0	50·7	51·7	51·0	49·3	48·5	15
16	47·5	48·3	49·0	48·5	47·8	48·5	48·3	49·8	48·7	51·3	48·7	59·5	51·0	49·8	49·5	49·0	16
17	49·3	50·0	50·1	50·2	49·9	50·0	50·0	50·7	50·0	51·5	50·0	50·3	51·3	50·2	50·7	50·7	17
18	50·7	51·0	51·2	51·0	50·7	51·7	52·0	52·0	52·0	52·3	51·3	51·0	52·2	51·8	51·3	52·0	18
19	51·8	51·5	51·6	51·5	51·5	52·3	52·3	53·0	52·2	52·7	52·0	52·3	52·5	52·3	51·8	52·7	19
20	52·0	51·9	51·7	51·7	51·7	52·5	52·2	52·5	52·1	52·7	52·3	52·3	52·3	52·2	51·8	53·3	20
21	51·7	51·9	51·8	51·9	51·8	52·0	52·3	52·3	52·2	52·3	52·2	51·8	51·9	52·3	51·7	53·0	21
22	51·5	51·6	51·9	52·0	52·0	51·9	52·2	52·2	52·3	52·0	52·2	51·8	51·7	52·0	51·6	52·8	22
23	50·5	51·0	52·0	51·8	51·5	51·7	52·0	52·1	52·2	51·7	51·7	51·7	51·5	52·3	51·5	52·5	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	52·0	51·5	51·5	51·9	51·5	51·8	52·0	51·8	52·0	52·1	51·8	51·8	51·5	51·3	51·1	51·7	Midnight
1h	51·8	51·3	51·5	51·8	51·5	51·7	51·9	51·9	52·2	52.5	51·9	51·6	51·5	51·3	51·1	51·7	1h
2	51·7	51·5	51·5	51·7	51·3	51·7	52·3	51·7	52·3	52·5	51·8	51·9	51·5	51·3	51·5	51·6	2
3	51·3	51·5	51·3	50·7	51·3	51·5	52·2	52·0	52·0	52·5	52·1	51·9	51·6	51.3	51·5	51·5	3
4	50·8	51·5	51·2	51·5	51·0	51·0	51·0	52·0	52·1	52·2	52·1	51·7	51·5	51·4	51·5	51·4	4
5	51·0	51·5	51·0	51·5	50·7	50·7	50·8	51·5	51·9	51·3	52·0	51·8	51·4	51·3	51·0	51·2	5
6	51·5	51·3	51·0	51·8	50·5	50·2	50·5	51·3	50·7	51·5	51·5	51·4	51·2	51·0	50·8	51·0	6
7	50·9	51·2	50·3	50·7	49·8	49·8	49·7	52·1	50·0	50·7	50·7	50·9	50·4	50·8	50·0	50·3	7
8	52·3	51·9	51·0	51·2	50·0	50·0	50·0	50·8	51·3	51·0	51·3	52·1	50·7	51·4	51·6	50·7	8
9	54·3	53·8	51·9	52·2	52·5	54·0	52·2	52·8	53·3	53·5	53·8	53·2	52·2	51·8	52·8	52·2	9
10	55·3	53·7	52·3	52·6	54·0	55·3	54·0	53·3	54·5	54·7	54·7	53·2	52·5	53·3	53·2	53·3	10
11	55·3	53·0	53·3	52·8	55·0	55·9	55·0	54·1	54·3	55·3	54·2	53·1	53·5	54·3	54·0	53·9	11
Noon	54·0	52·0	52·7	52·0	53·5	55·0	54·0	54·0	53·0	55·0	52·5	51·7	53·2	54·0	54·6	53·3	Noon
13h	49·5	50·0	52·5	51·5	51·0	53·0	52·0	53·0	49·0	51·0	49·0	50·4	53·2	52·5	53·8	51·7	13h
14	48·7	48·7	50·3	51·7	49·0	51·8	50·0	47·2	47·8	48·0	48·0	49·7	52·4	50·5	53·1	50·2	14
15	48·6	48·0	49·0	51·0	48·5	50·2	49·5	47·0	48·0	47·8	48·3	49·1	50·7	49·3	50·8	49·2	15
16	48·9	48·3	48·7	50·3	48·8	49·9	49·2	48·0	48·5	49·3	49·5	49·7	48·4	48·8	48·6	49·0	16
17	50·3	50·0	50·0	50·1	50·0	50·0	50·0	50·0	50·9	52·2	51·5	50·9	49·0	49·5	49·3	50·3	17
18	51·5	51·7	51·7	51·5	50·7	51·3	51·3	51·8	52·1	52·3	52·2	51·9	51·5	51·5	50·6	51·5	18
19	51·9	51·9	52·0	51·9	51·8	51·3	51·8	52·3	52·1	52·7	53·0	52·7	51·5	51·9	51·6	52·1	19
20	52·0	52·0	52·3	51·8	50·7	50·2	51·8	52·2	52·2	52·5	53·0	52·4	51·8	51·9	51·7	52·1	20
21	52·0	52·3	52·5	51·9	51·5	49·8	51·7	52·2	52·5	52·3	52·7	52·2	51·7	51·8	51·5	52·0	21
22	51·8	52·0	52·8	51·8	51·7	50·0	51·5	52·2	52·3	52·3	52·2	52·0	51·5	52·5	51·4	51·9	22
23	51·7	51·9	52·3	51·5	51·7	51·8	51·2	52·1	52·0	51·8	51·8	51·6	51·0	51·3	51·3	51·7	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*).

AUGUST 1923.

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	068	078	076	063	058	075	065	079	079	084	082	084	083	091	071	071	Midnight
1h	071	076	079	065	065	075	073	078	081	084	082	084	089	090	072	074	1h
2	073	074	080	070	067	077	072	078	083	084	082	085	089	083	076	075	2
3	077	077	087	067	068	078	072	076	083	084	083	085	094	083	076	076	3
4	079	078	086	066	068	081	072	078	084	090	082	086	093	084	090	080	4
5	080	077	085	068	071	081	076	081	089	089	082	087	093	087	086	080	5
6	083	077	087	069	074	083	077	080	090	092	085	089	094	091	085	083	6
7	086	084	092	072	082	084	083	084	090	094	090	095	105	094	087	086	7
8	090	085	098	073	087	100	087	082	092	104	089	095	111	091	090	087	8
9	094	088	101	099	091	101	093	081	092	105	085	099	116	100	094	091	9
10	096	090	102	093	088	098	088	079	093	100	083	100	122	106	101	092	10
11	090	089	094	075	086	093	078	094	084	104	084	102	112	100	101	093	11
Noon	081	079	075	069	089	085	080	103	085	114	085	102	113	100	101	088	Noon
13h	068	075	071	076	092	083	078	102	078	113	085	103	107	094	088	087	13h
14	064	085	064	080	087	077	078	099	072	104	083	107	105	083	081	090	14
15	073	084	032	073	076	065	087	094	075	099	082	103	102	076	066	086	15
16	073	076	056	065	066	058	082	081	076	087	077	094	096	073	064	087	16
17	076	076	057	060	064	070	071	079	073	079	073	085	092	066	063	088	17
18	081	077	064	058	067	072	072	081	071	077	079	082	092	063	064	092	18
19	084	078	066	058	068	065	072	081	075	077	082	082	093	070	064	091	19
20	083	077	067	059	067	060	072	080	075	076	077	083	095	065	058	087	20
21	077	078	064	061	066	062	072	082	075	074	084	077	096	070	064	084	21
22	076	078	060	059	068	065	070	079	078	079	074	077	100	065	055	083	22
23	073	077	052	057	069	064	077	076	080	079	074	083	095	074	070	086	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	081	084	094	092	082	090	087	088	075	082	084	078	080	084	092	080·0	Midnight
1h	085	086	096	093	084	092	088	088	078	077	083	082	082	087	093	081·7	1h
2	078	086	096	093	083	092	092	090	083	080	085	083	083	087	092	082·3	2
3	080	085	097	099	087	094	097	092	085	082	087	084	084	088	093	083·8	3
4	083	088	097	097	087	094	097	094	086	084	088	084	085	090	094	085·3	4
5	085	091	101	098	088	092	093	095	086	087	089	086	085	097	098	086·4	5
6	085	091	103	098	091	092	096	097	088	088	092	086	085	096	102	088·1	6
7	090	100	107	104	096	097	098	105	095	094	094	086	087	098	102	092·3	7
8	092	103	112	107	101	103	103	114	097	097	095	085	087	098	102	095·4	8
9	090	104	117	104	103	102	095	117	094	094	088	080	088	097	102	096·9	9
10	091	104	121	103	099	098	085	114	082	088	083	077	086	097	093	095·3	10
11	088	104	123	103	092	096	077	104	075	083	084	067	086	093	095	091·9	11
Noon	093	102	114	102	091	097	077	102	072	085	085	072	087	097	094	090·9	Noon
13h	097	092	103	091	092	092	076	097	081	088	091	082	088	095	097	089·1	13h
14	095	085	101	086	093	090	087	083	080	092	092	088	090	093	090	087·3	14
15	086	083	096	087	092	088	086	068	085	089	093	088	076	088	087	082·5	15
16	082	082	096	086	086	083	083	066	086	087	087	080	072	085	083	079·2	16
17	082	085	097	084	085	083	084	065	085	088	085	076	076	088	078	077·9	17
18	083	090	096	082	086	084	085	070	087	092	084	077	082	092	080	079·5	18
19	083	092	095	082	086	087	084	075	088	088	084	078	083	092	082	080·2	19
20	084	094	097	084	085	088	084	074	084	087	082	077	084	091	084	079·3	20
21	084	093	094	083	084	087	087	074	086	083	077	077	084	093	084	079·3	21
22	084	092	091	082	084	086	086	075	077	082	075	077	084	090	074	077·6	22
23	084	092	089	081	086	086	088	075	079	084	075	078	083	091	082	078·7	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*).

AUGUST 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	096	094	095	100	098	099	101	100	102	104	105	106	109	108	114	116	Midnight
1h	097	093	096	097	098	099	101	101	102	103	104	105	109	109	113	115	1h
2	095	092	095	097	098	099	101	101	101	103	104	105	106	107	112	114	2
3	094	092	093	098	098	099	101	102	102	103	104	114	105	108	110	114	3
4	092	091	092	097	097	099	101	102	102	102	105	105	105	107	109	113	4
5	091	091	093	097	097	099	101	103	102	104	105	105	105	107	108	112	5
6	091	091	092	097	096	099	101	102	102	105	106	106	106	107	109	112	6
7	091	090	091	094	095	099	100	102	101	105	106	104	104	104	107	110	7
8	092	091	091	095	095	099	101	103	105	105	109	106	106	107	110	112	8
9	096	095	094	098	099	102	103	104	111	107	113	110	110	112	114	115	9
10	101	096	097	099	103	105	102	103	115	109	114	111	112	117	118	116	10
11	101	091	095	099	102	101	099	109	111	102	113	110	110	117	116	115	11
Noon	097	084	099	096	095	098	092	097	012	101	103	108	106	115	112	114	Noon
13h	090	083	084	084	087	092	087	091	096	100	096	097	102	114	104	108	13h
14	078	075	079	079	077	085	074	090	089	097	090	090	103	111	102	105	14
15	076	075	083	087	091	084	069	092	089	096	083	091	102	103	098	106	15
16	081	082	089	092	097	091	074	098	093	097	085	092	103	101	099	108	16
17	088	089	093	097	100	091	086	101	101	101	093	098	102	103	104	112	17
18	091	091	092	098	100	101	095	105	107	107	102	104	106	110	109	114	18
19	092	091	095	098	099	101	097	104	107	108	104	108	105	111	112	114	19
20	092	091	095	098	099	101	099	103	107	108	105	109	108	111	113	114	20
21	092	092	096	098	099	100	099	102	106	107	107	109	108	112	114	114	21
22	093	092	097	097	098	100	099	102	106	105	106	109	108	113	115	114	22
23	095	092	097	098	096	100	099	103	105	104	106	108	107	113	114	114	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	116	116	112	112	114	114	115	112	112	114	112	115	113	113	110	108·0	Midnight
1h	114	116	112	112	114	114	115	112	112	114	112	114	112	112	109	107·7	1h
2	114	115	112	112	114	114	115	112	112	113	111	113	111	111	110	107·1	2
3	112	115	112	112	114	114	115	112	111	112	110	113	111	110	110	107·1	3
4	112	114	111	112	114	114	115	112	111	111	110	113	110	110	109	106·4	4
5	111	113	111	112	114	115	115	112	112	112	111	113	110	110	108	106·5	5
6	112	113	111	112	114	115	115	113	111	112	111	113	110	110	108	106·5	6
7	110	112	110	110	114	114	113	111	111	112	112	113	111	119	108	105·6	7
8	116	114	112	113	116	116	115	116	115	114	116	117	113	114	112	107·9	8
9	119	114	115	114	114	119	118	120	120	118	119	120	114	115	115	110·9	9
10	121	111	117	116	125	121	117	123	119	123	120	117	115	116	118	112·8	10
11	116	108	114	115	123	121	112	114	113	120	113	113	110	114	118	110·2	11
Noon	109	106	111	110	115	116	105	097	102	108	098	110	105	108	112	104·6	Noon
13h	096	106	110	108	113	114	097	079	093	103	091	106	104	096	105	097·9	13h
14	095	108	105	111	109	115	097	076	092	100	094	100	094	087	099	093·8	14
15	101	109	100	112	109	113	099	090	095	102	098	095	086	088	098	094·2	15
16	106	110	102	112	112	113	105	101	101	108	104	098	087	094	100	097·9	16
17	109	111	107	113	115	114	109	109	108	112	109	103	095	101	104	102·5	17
18	111	112	110	115	116	116	112	115	112	113	112	107	104	106	108	106·5	18
19	111	112	111	115	116	116	113	114	111	113	113	111	108	108	108	107·3	19
20	111	112	111	114	115	115	113	114	113	113	113	112	109	109	109	107·6	20
21	112	112	111	114	115	114	112	114	113	113	113	112	111	110	110	107·8	21
22	113	113	111	113	114	114	112	114	112	114	114	114	111	109	110	107·8	22
23	113	113	111	113	113	114	111	112	112	113	114	113	111	110	113	107·7	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1923.

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.)
AUG:	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1015·1	+ 1·3	23·5	17·0	6·5	20·0	+ 0·2	2·4	15·7	+ 0·7	76	+ 1	17·7	13·5	0·1	5	4·6	2·8
2	1015·8	+ 2·0	23·3	17·0	6·3	20·0	+ 0·2	2·5	15·5	+ 0·5	75	0	17·4	12·4	0·1	5	4·1	4·2
3	1017·3	+ 3·5	23·0	17·0	6·0	19·6	— 0·2	2·4	15·3	+ 0·3	76	+ 2	17·2	12·8	0·0	...	4·0	5·2
4	1018·3	+ 4·5	22·9	19·0	3·9	20·0	+ 0·2	1.7	17·0	+ 2·0	83	+ 9	19·2	15·0	5·4	105	3·4	5·9
5	1017·8	+ 4·0	22·5	18·0	4·5	19·9	+ 0·1	1·8	16·6	+ 1·6	81	+ 7	18·7	15·7	5·8	120	3·8	6·0
6	1016·3	+ 2·5	22·8	16·6	6·2	19·0	— 0·8	1·6	16·1	+ 1·1	83	+ 9	18·1	14·2	1·5	40	2·7	6·3
7	1016·0	+ 2·2	22·2	16·8	5·4	19·1	— 0·7	1·9	1·57	+ 0·7	81	+ 7	17·7	14·1	0·5	10	3·0	3·4
8	1016·2	+ 2·4	22·2	16·0	6·2	19·1	— 0·7	1·8	15·8	+ 0·9	81	+ 7	17·8	11·9	0·0	...	2·5	5·3
9	1016·9	+ 3·1	23·1	16·4	6·7	20·0	+ 0·1	2·8	15·0	+ 0·1	73	— 1	16·9	13·6	0·0	...	2·4	2·3
10	1016·5	+ 2·7	22·2	16·9	5·3	19·0	— 0·9	1·7	15·9	+ 1·0	82	+ 8	17·9	13·1	3·6	70	5·6	5·2
11	1016·9	+ 3·1	23·3	17·1	6·2	20·0	+ 0·1	2·2	16·1	+ 1·2	78	+ 4	18·1	14·9	0·9	30	4·9	4·2
12	1017·1	+ 3·2	22·9	17·3	5·6	19·8	— 0·1	3·0	14·4	— 0·5	71	— 3	16·3	14·6	0·3	15	3·9	6·6
13	1015·3	+ 1·4	23·0	15·1	7·9	19·1	— 0·8	3·3	13·1	— 1·8	68	— 6	14·9	16·1	0·0	...	4·2	5·5
14	1013·8	— 0·1	23·2	14·2	9·0	19·0	— 0·9	3·4	12·9	— 2·0	68	— 6	14·8	10·7	0·0	...	5·0	1·2
15	1013·6	— 0·3	22·5	13·3	9·2	18·0	— 2·0	2·7	13·1	— 1·9	73	— 1	14·9	9·8	0·0	...	3·5	3·8
16	1016·1	+ 2·2	22·8	15·8	7·0	19·0	— 1·0	3·2	13·2	— 1·8	69	— 5	15·0	11·9	0·3	10	3·9	5·0
17	1018·2	+ 4·2	22·3	16·0	6·3	19·2	— 0·8	3·7	12·5	— 2·5	65	— 9	14·4	11·0	0·2	05	4·5	6·5
18	1016·2	+ 2·2	22·2	18·1	4·1	19·7	— 0·3	4·0	12·5	— 2·5	64	— 10	14·4	13·3	0·0	...	3·8	8·0
19	1015·8	+ 1·8	23·2	16·8	6·4	19·6	— 0·4	3·5	13·3	— 1·7	67	— 6	15·1	12·3	0·0	...	3·6	7·0
20	1015·5	+ 1·4	23·8	15·6	8·2	19·6	— 0·5	2·9	14·4	— 0·6	72	— 1	16·3	11·0	0·0	...	3·1	6·7
21	1014·6	+ 0·5	24·1	16·4	7·7	19·9	— 0·2	3·1	14·3	— 0·7	70	— 3	16·2	13·0	0·0	...	5·0	4·3
22	1014·1	0·0	23·5	18·1	5·4	20·2	+ 0·1	2·5	15·7	+ 0·7	76	+ 3	17·7	12·5	0·3	10	3·8	5·7
23	1015·1	+ 1·0	23·3	18·3	5·0	20·1	0·0	1·5	17·4	+ 2·4	84	+ 11	19·7	15·7	0·5	20	2·0	7·2
24	1015·5	+ 1·4	25·0	17·2	7·8	20·7	+ 0·5	2·4	16·4	+ 1·4	77	+ 4	18·5	14·3	0·5	10	5·2	3·7
25	1014·4	+ 0·3	23·8	17·9	5·9	20·4	+ 0·2	1·9	17·0	+ 2·0	81	+ 8	19·2	15·2	0·3	10	3·3	4·5
26	1013·4	— 0·7	24·3	17·8	6·5	20·6	+ 0·4	2·5	16·1	+ 1·1	75	+ 2	18·1	14·1	0·3	5	4·8	3·5
27	1014·7	+ 0·6	24·9	15·7	9·2	20·1	— 0·1	3·1	14·6	— 0·5	71	— 2	16·5	11·4	0·0	...	5·6	2·0
28	1015·9	+ 1·8	23·7	16·0	7·7	19·9	— 0·4	2·6	15·2	+ 0·1	74	+ 1	17·1	12·4	2·2	20	5·6	4·8
29	1016·1	+ 2·0	22·9	16·4	6·5	18·8	— 1·5	2·3	14·6	— 0·5	77	+ 4	16·5	8·8	0·5	15	3·0	7·4
30	1014·8	+ 0·7	24·2	15·1	9·1	19·6	— 0·7	2·6	14·9	— 0·2	74	+ 1	16·8	11·0	0·0	...	4·9	7·0
31	1015·5	+ 1·4	24·3	18·0	6·3	20·4	+ 0·1	2·9	15·2	+ 0·1	72	— 1	17·1	12·1	0·0	...	5·0	5·3
Mean	1015·8	+ 1·8	23·3	16·7	6·6	19·7	— 0·3	2·6	15·0	0·0	74·7	+ 1·1	17·0	13·0	23·3	510	4·0	5·1
Aver.	1014·0	...	24·1	16·4	7·7	20·0	...	4·0	15·0	...	73·6	...	16·9	13·1	59·8	1461	4·0	5·0
	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 AUGUST 1923.

Pressure was well above normal from the 1st to the 12th; it dropped to normal on the 14th and 15th and recovered rapidly on the 16th. For the second half of the month it was generally above normal but very variable.

Air Temperature was generally about normal; it was, however sensibly below normal on the 15th, 16th and 17th.

Relative Humidity was below normal from the 12th to the 21st and above on all other days, and above in the mean.

Wind Velocity was generally normal with but slight variations.

Rainfall was deficient: only 39% of normal at the Observatory. In the other districts the percentage variation was:

Northern Districts	River System 1,	40 % below
Eastern Districts	,, ,, 2, 3, 4,	22 % ,,
South-Eastern Districts	,, ,, 5 & 6	20 % ,,
Western Districts	River System 11	2 % above
	,, ,, 12	7 % below
	,, ,, 13	Nil

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1923

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
AUG.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	10·2	91	— 1·3	+ 3·5	70	3·7	3·8	— 0·1	24·9	24·0	22·3	...	...	21·7	21·5	f.
2	8·7	78	— 1·0	+ 3·7	75	3·8	3·9	0·0	24·9	23·8	22·3	...	...	21·8	21·6	f. : c f. : f.
3	8·1	72	— 1·4	+ 3·9	70	4·1	4·2	+ 0·3	24·9	23·7	22·2	...	...	21·7	21·4	c. : o. : c.f.
4	5·5	49	— 1·6	+ 6·0	75	6·2	6·3	+ 2·4	25·0	24·0	22·2	...	...	21·5	21·2	c. f. : o.r. : c. : d.
5	8·3	74	— 1·3	+ 4·9	75	5·0	5·2	+ 1·3	24·9	23·9	22·3	...	...	21·4	21·2	c. f. : c. r. : c. d.
6	8·6	77	— 1·0	+ 4·0	76	4·1	4·2	+ 0·3	24·8	23·8	22·2	...	...	21·4	21·2	o. r. : c. : c. f.
7	7·7	69	— 1·3	+ 3·4	69	3·7	3·7	— 0·2	24·9	23·7	22·2	...	...	21·4	21·1	c. f. f.b.
8	7·0	62	— 1·0	+ 3·0	72	3·1	3·2	— 0·7	24·9	23·8	22·2	...	...	21·2	20·9	f. : c. : o. g. : f.
9	10·6	94	— 1·0	+ 3·9	76	4·0	4·2	+ 0·3	24·9	23·7	22·1	...	...	21·4	21·4	f. b.
10	4·2	37	— 0·7	+ 3·5	79	3·6	3·6	— 0·3	24·9	23·8	22·1	...	...	21·6	21·4	f.b.: o.r. : c. : f.
11	9·6	85	— 1·2	+ 3·8	72	2·0	4·1	+ 0·2	24·8	23·7	22·1	..	...	21·7	21·4	c.f. : d: c. : c. f.
12	7·0	62	— 1·7	+ 3·9	66	4·2	4·3	+ 0·4	24·8	23·7	22·1	...	...	21·6	21·3	o.
13	5·6	50	— 1·5	+ 2·1	54	2·6	2·7	— 1·2	24·8	23·7	22·2	...	...	21·7	21·6	o. : c.f : f. b.
14	10·9	96	— 2·9	+ 2·5	41	3·8	3·9	0·0	24·8	23·7	22·1	...	...	21·7	21·4	f. b.
15	3·1	27	— 2·2	+ 2·5	49	3·8	3·4	— 0·5	24·9	23·7	22·1	...	...	21·2	20·6	f. : c.f. : f:
16	6·6	58	— 1·4	+ 3·2	66	3·5	3·5	— 0·4	24·8	23·8	22·1	...	...	21·0	20·7	c. f. . f. :
17	3·7	32	— 1·6	+ 4·0	68	4·3	4·3	+ 0·4	24·8	23·7	22·1	...	...	20·9	20·3	c. f. : o.
18	1·4	12	— 1·3	+ 3·5	70	3·7	3·8	— 0·1	24·8	23·7	22·1	...	...	21·1	20·8	o.
19	4·2	37	— 1·3	+ 2·6	63	2·9	3·0	— 0·9	24·7	23·7	22·1	...	...	21·2	21·1	c. d. . c. f. : o.
20	4·5	40	— 0·8	+ 1·6	63	1·8	1·9	— 2·0	24·7	23·7	22·1	...	...	21·6	21·4	o. : c.f. : c.
21	7·7	67	— 1·3	+ 2·6	63	2·9	3·0	— 0·9	24·7	23·6	22·0	...	...	22·0	22·1	o. : c.f. : f. b.
22	7·4	67	— 1·7	+ 4·5	69	4·8	4·9	+ 1·0	24·7	23·6	22·1	...	...	22·0	21·9	o.d. : c. f.
23	3·6	32	— 0·9	+ 3·8	77	3·9	4·0	+ 0·1	24·8	23·4	22·1	...	...	22·0	21·9	c. f. : o.
24	10·2	89	— 0·8	+ 3·9	78	4·0	4·1	+ 0·2	24·8	23·5	22·1	...	...	22·1	22·1	c.d. : c .f.
25	7·0	61	— 0·8	+ 4·2	79	4·3	4·3	+ 0·4	24·8	23·6	22·1	...	...	22·2	22·0	f. : c . : f.
26	10·9	95	— 0·4	+ 2·5	81	2·5	2·7	— 1·2	24·8	23·7	22·1	...	...	22·4	22·5	c.d. . c. f.
27	11·0	95	— 1·7	+ 2·7	58	3·2	3·3	— 0·6	24·6	23·5	22·0	...	...	22·5	22·6	f.
28	9·8	85	— 1·9	+ 4·4	67	4·8	4·8	+ 0·9	24·6	23·6	22·1	...	...	22·3	22·2	c. f: c. p. : f.
29	3·6	31	— 0·6	+ 2·3	75	4·8	2·6	— 1·3	24·6	23·4	22·1	...	...	22·1	21·7	c d : o.
30	7·4	64	— 1·5	+ 3·4	66	3·7	3·8	— 0·1	24·7	23·4	22·1	..	...	22·1	21·9	o.
31	9·8	85	— 1·7	+ 3·4	63	3·8	3·9	0·0	24·7	23·6	22·1	...	...	22·5	22·5	o. : c . : c. f.
Mean	7·22	63·6	—1·32	+3·46	69·1	3·70	3·83	0·07	24·80	23·68	22·13	...	...	21·71	21·51	...
Average	7·69	67·8	—1·40	+3·20	...	...	3·90	...	24·84	23·83	...	...	...	21·38	21·47	...
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 1923.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1019·9 m.b.s.	at	10h	on 4th	1011·6 m.b.s.	at	15h	on 26th
Temperature of the Air	25·°0C	at	14·45h	on 24th	13·°3C	at	1h20	on 15th
Daily range of temperature of the Air...	9·2°C		...	on 15th & 27th	3·°9C		...	on 4th
Temperature of the Dew Point	19·6°C	at	10h	on 23rd	10·°0C	at	10h	on 14th
Daily range of temperature of the Dew Point	5·5°C		...	on 14th	2·°3C		...	on 31st
Relative humidity...	97·6%	at	23h	on 5th	43·9%	at	13h	on 27th
Wind Velocity	9·3 m.p.s.	at	16h	on 4th	0·6 m.p.s.		20h & 21h	on 27th
Rainfall	7·3 mm.	ending	7h	on 6th				
Temperature of the soil at 3 ins. ...	24·3°C	at	12h on 27th, 15h on	31st	19·°2C	at	6h on 15th at 9h on 17t	
,, ,, at 6 ins. ...	23·4°C	at	18h	on 26th & 31st	20·°3C	at	9h	on 17th
Duration of sunshine	11·0h		...	on 27th	...		1·4h	on 18th
Amount of Evaporation	5·6 mm.		...	on 10th,27th,28th	2·0 mm.		...	on 23rd
Vapour Tension	19·7 mbs		...	on 23rd	14·4 m.b.s.		...	on 17th
Minimum on Grass	8·8°C		...	on 29th	...		...	...

Number of Days Overcast 5, Clear 4, of Rain 18, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 21·°18C, Average °C, Mean Night Temperature of Air 18·14°C, Average, °C

* South (0°); East (90°); North (180°); West (270°). † Thermometers 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 1923.

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

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d	Day. / Hour.
Midnight	0160	0158	0172	0184	0189	0175	0167	0163	0173	0172	0173	0178	0173	0149	0142	0157	Midnight
1h	0157	0156	0170	0181	0187	0171	0163	0160	0173	0169	0167	0178	0167	0145	0137	0151	1h
2	0152	0152	0167	0177	0183	0168	0161	0157	0173	0163	0164	0175	0161	0140	0134	0151	2
3	0147	0150	0162	0175	0178	0167	0157	0156	0164	0160	0164	0172	0152	0135	0133	0147	3
4	0145	0148	0162	0174	0177	0162	0152	0152	0161	0156	0164	0168	0152	0135	0127	0146	4
5	0147	0148	0164	0176	0176	0163	0155	0152	0162	0156	0165	0170	0153	0137	0127	0147	5
6	0149	0150	0167	0179	0178	0166	0157	0158	0164	0163	0170	0170	0154	0139	0131	0152	6
7	0153	0155	0173	0182	0183	0169	0162	0162	0168	0168	0173	0176	0157	0146	0126	0158	7
8	0159	0163	0179	0189	0188	0174	0166	0167	0174	0173	0176	0179	0164	0150	0139	0165	8
9	0167	0167	0183	0194	0193	0175	0172	0174	0180	0177	0182	0179	0167	0152	0146	0173	9
10	0168	0168	0184	0199	0192	0176	0174	0176	0183	0179	0181	0184	0167	0149	0145	0174	10
11	0162	0164	0180	0195	0186	0168	0169	0173	0179	0171	0179	0180	0163	0142	0142	0169	11
Noon	0152	0159	0175	0188	0179	0161	0162	0163	0175	0165	0174	0173	0156	0134	0134	0159	Noon
13h	0144	0150	0168	0179	0171	0155	0157	0153	0165	0160	0162	0164	0148	0129	0128	0154	13h
14	0139	0147	0160	0173	0167	0149	0149	0149	0161	0153	0159	0159	0041	0125	0122	0153	14
15	0137	0147	0162	0174	0165	0146	0146	0148	0155	0152	0154	0157	0036	0125	0119	0153	15
16	0139	0148	0164	0174	0168	0149	0146	0152	0157	0153	0156	0157	0137	0124	0124	0155	16
17	0139	0150	0165	0176	0168	0150	0148	0153	0158	0158	0158	0161	0138	0127	0128	0158	17
18	0142	0156	0170	0179	0168	0154	0152	0160	0162	0156	0163	0162	0143	0128	0134	0161	18
19	0146	0163	0174	0181	0172	0159	0165	0164	0166	0164	0167	0168	0146	0131	0139	0164	19
20	0149	0169	0178	0183	0176	0163	0159	0168	0172	0170	0176	0172	0149	0139	0146	0169	20
21	0153	0174	0186	0187	0176	0166	0164	0174	0173	0174	0178	0176	0152	0143	0149	0176	21
22	0158	0173	0187	0190	0177	0169	0167	0175	0175	0174	0182	0176	0153	0146	0154	0178	22
23	0158	0173	0186	0192	0176	0168	0166	0174	0174	0178	0179	0174	0152	0144	0157	0180	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	0182	0180	0163	0163	0155	0145	0147	0162	0155	0145	0140	0160	0173	0159	0162	1016·4	Midnight
1h	0181	0177	0160	0162	0154	0141	0145	0158	0153	0143	0139	0159	0168	0158	0159	1016·1	1h
2	0179	0174	0156	0159	0150	0138	0143	0154	0150	0139	0135	0156	0165	0153	0154	1015·8	2
3	0178	0169	0155	0154	0147	0137	0141	0150	0149	0133	0133	0153	0161	0149	0150	1015·4	3
4	0177	0164	0154	0158	0145	0139	0139	0147	0145	0132	0133	0150	0162	0148	0148	1015·2	4
5	0176	0163	0155	0155	0144	0139	0138	0148	0146	0130	0134	0151	0163	0145	0145	1015·3	5
6	0181	0164	0161	0157	0148	0139	0147	0159	0149	0135	0130	0156	0167	0148	0149	1015·6	6
7	0188	0169	0168	0161	0152	0148	0151	0162	0154	0140	0145	0163	0170	0150	0152	1016·1	7
8	0191	0170	0170	0160	0155	0151	0155	0166	0158	0143	0149	0166	0175	0152	0159	1016·6	8
9	0194	0174	0172	0169	0160	0154	0160	0168	0159	0144	0155	0169	0176	0154	0164	1016·9	9
10	0196	0175	0168	0164	0160	0160	0161	0170	0158	0146	0157	0170	0176	0154	0165	1017·0	10
11	0191	0169	0164	0158	0152	0151	0158	0163	0151	0140	0155	0165	0169	0150	0160	1016·5	11
Noon	0186	0163	0155	0150	0143	0140	0151	0154	0142	0142	0146	0160	0160	0144	0154	1015·8	Noon
13h	0180	0155	0150	0149	0135	0134	0147	0147	0141	0123	0141	0155	0153	0141	0149	1015·1	13h
14	0177	0150	0146	0142	0129	0128	0142	0143	0131	0117	037	0151	0146	0134	0145	1014·6	14
15	0174	0146	0145	0139	0126	0126	0140	0141	0127	0116	0138	0147	0146	0131	0140	1014·4	15
16	0173	0145	0146	0141	0127	0126	0145	0142	0127	0117	0140	0149	0145	0136	0131	1014·5	16
17	0174	0146	0149	0146	0130	0130	0146	0145	0128	0120	0145	0150	0145	0139	0145	1014·7	17
18	0175	0149	0151	0148	0138	0132	0150	0151	0130	0122	0150	0155	0149	0140	0150	1015·1	18
19	0179	0152	0155	0151	0142	0139	0151	0156	0134	0129	0156	0160	0151	0146	0158	1015·6	19
20	0180	0160	0160	0155	0150	0145	0160	0160	0139	0135	0161	0168	0160	0155	0165	1016·1	20
21	0184	0164	0162	0159	0154	0151	0165	0164	0146	0138	0164	0170	0160	0156	0169	1016·5	21
22	0183	0165	0166	0158	0155	0153	0164	0163	0148	0140	0164	0169	0164	0158	0172	1016·6	22
23	0184	0165	0164	0158	0150	0150	0163	0161	0149	0140	0163	0170	0164	0160	0171	1016·6	23

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

Hour. \ Day.	AUGUST 1923.																															
	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	2	8	3	5	9	3	1	7	1	4	5	9	1	0	4	4	8	9	9	9	3	5	6	2	5	1	4	5	8	9	4·9
1h	3	3	2	2	3	8	4	2	7	0	3	7	8	1	2	4	3	8	9	9	8	5	4	5	4	6	1	5	6	8	9	4·8
2	3	4	3	4	5	8	3	4	3	0	3	6	8	2	3	4	4	7	8	9	8	8	3	3	6	6	1	5	8	7	9	5·0
3	2	4	9	5	6	9	5	5	1	0	2	6	6	4	4	6	5	7	7	10	8	8	6	4	2	2	1	5	9	7	10	5·3
4	2	4	9	6	5	8	6	4	0	4	5	3	8	2	4	6	3	7	6	7	8	9	4	4	2	8	2	5	7	5	10	5·3
5	2	4	9	8	4	8	6	4	2	7	4	5	9	2	5	7	3	8	7	4	7	8	4	3	4	7	3	7	8	4	9	5·5
6	2	4	8	7	4	8	3	4	3	9	4	7	10	1	7	7	2	9	9	3	5	8	5	5	6	2	4	10	10	6	9	5·9
7	2	4	8	9	5	5	2	5	2	10	6	6	10	1	7	8	3	7	7	3	4	7	7	5	6	4	4	8	10	9	7	5·9
8	2	5	6	8	6	4	1	8	1	10	8	6	10	0	6	8	7	7	6	5	6	7	8	6	5	3	4	7	10	8	5	5·9
9	2	9	6	10	8	7	3	5	2	10	8	6	9	0	6	6	7	6	6	6	8	8	4	7	5	3	3	6	7	6	3	5·9
10	2	7	5	10	8	7	4	0	2	9	5	8	9	0	5	8	7	6	7	4	7	6	6	5	6	3	2	7	7	6	4	5·7
11	5	6	6	10	8	6	5	7	3	7	3	8	8	1	4	7	8	7	7	3	6	5	7	3	7	3	2	6	6	6	4	5·6
Noon	5	3	7	9	9	8	5	7	3	9	4	8	7	1	6	7	8	7	7	3	5	5	7	3	6	3	2	8	6	5	5	5·7
13h	4	2	8	6	8	7	5	7	3	10	5	9	6	3	7	6	8	8	5	7	4	4	10	2	10	3	1	5	7	5	5	5·8
14	4	2	8	9	7	6	6	7	5	8	6	8	5	4	6	5	8	9	5	7	3	3	10	1	8	3	1	4	7	6	5	5·7
15	4	4	7	8	6	6	6	6	1	5	3	7	4	3	4	3	7	7	3	8	3	2	10	3	7	3	2	4	7	6	3	4·9
16	3	5	5	7	6	3	5	6	2	6	3	6	3	2	3	3	9	8	4	8	2	3	8	3	5	3	2	3	6	7	2	4·5
17	3	5	4	5	6	3	4	8	2	5	3	6	2	1	2	3	8	8	6	8	1	4	8	2	4	3	2	3	5	8	2	4·3
18	3	6	3	3	7	3	3	9	3	3	4	3	2	0	2	3	9	9	6	9	0	5	8	3	2	3	2	5	8	8	2	4·4
19	2	7	2	2	6	5	2	6	3	1	3	5	1	0	1	2	10	10	7	9	0	5	9	2	1	3	2	2	8	10	2	4·1
20	2	5	1	2	8	6	1	4	1	0	5	7	0	0	1	2	9	10	9	7	0	5	10	3	0	2	2	2	8	9	3	4·0
21	2	3	1	1	2	6	0	9	0	0	5	7	0	0	1	3	9	10	10	6	0	5	10	3	2	2	1	1	9	7	4	3·9
22	2	2	0	4	5	5	0	0	0	4	1	9	0	0	1	5	8	10	10	7	0	6	10	3	4	2	2	1	7	8	4	3·9
23	3	1	0	4	7	5	0	2	0	6	3	10	0	0	3	4	8	10	10	9	1	8	9	3	5	2	2	2	7	8	3	4·3

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

Hour* Ending \ Day.	AUGUST 1923.																															
	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	3	0	0	0	5	25	3	17	0	5	4	0	25	20	0	18	0	0	30	2	5	5	7	0	25	30	0	0	0	2	4·2
8	60	49	30	1	45	59	60	3	60	10	47	23	0	60	59	0	15	0	0	55	55	40	45	60	36	57	59	18	0	35	50	18·2
9	60	24	60	3	40	60	60	38	60	8	20	39	3	60	17	30	10	0	3	8	35	20	50	60	60	60	60	60	17	60	60	19·1
10	60	35	60	3	45	60	60	52	60	12	60	36	5	60	17	20	12	10	20	57	0	2	58	50	60	60	60	55	50	60	60	21·0
11	60	60	60	0	50	55	45	30	60	40	60	52	22	60	3	15	40	4	23	60	12	38	15	60	50	60	60	60	47	60	60	22·0
Noon	60	59	34	38	20	40	22	39	60	45	60	47	37	60	4	30	48	12	15	50	37	59	14	60	38	60	60	60	15	60	60	21·7
13h	60	60	35	47	47	55	6	55	60	6	60	52	10	60	20	57	35	1	38	6	55	60	28	60	12	60	60	60	25	39	45	21·2
14	60	60	40	59	60	50	35	34	60	50	60	30	60	60	4	59	28	8	43	1	60	60	2	60	17	60	60	60	20	52	59	22·9
15	60	60	52	60	60	48	30	45	60	40	60	47	60	60	0	60	10	8	39	5	60	60	2	60	32	60	60	60	12	49	60	23·0
16	52	60	60	59	60	37	50	58	60	33	60	53	55	60	8	60	4	42	55	0	60	60	0	60	30	60	60	60	24	26	45	23·4
17	49	52	52	58	59	40	50	47	59	8	59	36	60	60	30	59	0	2	14	0	60	35	0	59	60	60	60	60	5	4	60	21·0
18	10	1	1	0	12	8	18	18	20	0	25	0	28	27	4	8	0	0	0	0	25	4	0	15	25	30	34	35	0	0	25	6·2
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 223·9 hours and the total possible sunshine 353·0 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°)

AUGUST 1923

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	17·9	1·0	19·0	1·4	18·1	1·6	19·0	2·8	19·0	1·0	18·1	0·6	18·2	1·1	17·5	1·0	Midnight
1h	17·9	1·4	18·9	1·8	17·4	1·5	19·2	2·0	19·0	0·8	18.2	1·0	18·0	0·7	17·7	1·1	1
2	17·7	1·5	19·0	1·5	17·9	1·7	19·2	1·3	18·5	1·2	18.1	1·2	17·9	0·9	17·4	0·9	2
3	17·7	1·2	19·0	1·3	17·6	1·5	19·1	1·5	19·0	1·2	17.1	0·8	17·8	1·3	17·5	1·2	3
4	17·2	0·9	18·8	1·3	18·1	1·3	19·3	2·0	19·0	1·2	16·6	0·7	18·0	1·4	16·7	1·4	4
5	17·1	1·0	18·6	1·6	17·5	1·0	19·0	1·2	18·7	0·8	17.1	0·6	18·0	1·2	16·7	1·1	5
6	17·1	1·0	18·5	1·5	17·1	1·0	19·0	1·2	18.2	0·9	17·1	0·8	17·5	1·2	16·1	1·0	6
7	17·6	1·0	18·1	1·3	17·5	1·2	19·0	0·7	18·6	0·6	17·1	0·8	17·4	1·2	16·0	1·0	7
8	19·2	2·0	19·6	1·7	18·9	1·7	19·0	0·7	19.2	1·0	17·6	1·7	19·0	1·7	17·2	1·0	8
9	21·4	3·2	21·0	2·7	21·2	3·0	19·1	0·6	20·9	1·8	19·6	2·0	20·5	2·5	19·2	1·1	9
10	22·3	4·0	21·2	2·7	22·4	3·3	19·1	0·4	20·7	1·5	21·2	3·4	21·2	3·1	20·5	2·2	10
11	22·7	4·1	22·8	4·4	22·2	3·1	20·1	0·6	21·6	2·3	21·4	3·2	21·6	3·8	21·6	3·4	11
Noon	23·6	5·3	22·1	3·9	20·3	1·3	20·9	1·6	20·3	1·1	21·9	2·8	21·7	4·2	21·9	3·4	Noon
13h	23·1	4·9	23·2	4·9	20·2	1·3	22·4	2·2	21·5	2·1	22·2	3·0	19·7	1·6	21·9	3·5	13h
14	23·4	5·2	23·1	5·1	22·1	3·8	22·6	2·5	23·2	4·6	22·1	3·3	21·2	2·7	22·1	3·4	14
15	22·9	4·8	22·9	4·6	22·1	4·1	22·6	3·3	22·3	4·0	20·3	1·9	21·2	3·1	21·8	3·5	15
16	22·1	4·2	22·3	3·9	21·9	3·9	22·2	4·4	21·7	4·0	20·1	1·9	21·2	3·5	21·9	3·5	16
17	21·2	3·3	21·6	3·3	21·1	3·5	21·7	3·2	21·2	3·4	20·3	2·2	20·8	3·2	21·3	3·0	17
18	20·2	2·2	20.3	2·4	20·1	3·2	20·5	2·4	20·0	2·1	19·2	1·7	19·2	2·4	20·0	1·9	18
19	19·8	1·8	19·0	1·8	19·2	2·5	20·1	2·4	19·1	1·4	18·2	1·2	18·1	1·2	18·9	1·2	19
20	19·6	1·6	19·0	1·5	19·1	2·0	20.0	2·0	19·1	1·4	18·1	1·1	17·7	1·2	18·6	1·0	20
21	19·6	1·5	17·8	1·6	19·0	2·5	19·7	1·6	18·9	1·8	18·0	1·1	17·5	1·0	18·5	0·7	21
22	19·3	0·8	17·0	1·3	18·9	3·2	19·2	0·9	19·1	1·3	18·2	0·9	17·7	1·0	18·7	1·4	22
23	19·3	1·1	17·3	1·1	19·1	3·2	19·1	1·0	18·2	0·2	17·9	0·9	16·8	0·6	18·1	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.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	18·7	1·7	19·0	1·1	17·9	0·7	19·1	2·0	18·3	2·2	17·3	1·4	14·1	1·1	17·7	1·0	Midnight
1h	18·5	1·8	19·0	1·3	18·1	0·9	19·2	2·1	18·1	2·1	18·0	1·7	13·8	1·4	17·3	1·4	1h
2	18·0	1·9	19·2	1·4	18·2	1·1	18·9	2·2	18·1	1·9	18·1	1·4	14·2	1·4	16·5	1·6	2
3	18·0	2·0	17·8	0·9	17·2	0·7	18·2	1·9	18·1	2·0	18·4	2·3	14·2	1·2	16·2	1·3	3
4	17·8	1·9	17·0	1·0	17·5	0·9	18·2	2·1	18·1	1·9	18·3	1·7	14·8	1·6	15·9	1·4	4
5	17·1	2·0	17·1	1·0	18·1	1·0	18·4	2·3	17·9	1·6	17·1	2·3	13·9	1·4	16·0	1·3	5
6	17·0	1·8	18·0	1·0	17·5	0·5	18·2	2·3	18·0	3·1	17·5	2·6	14·3	1·0	16·1	1·4	6
7	17·5	2·0	17·7	0·6	18·0	0·8	18·1	2·0	18·0	3·0	16·4	2·1	15·0	1·2	17·2	3·1	7
8	20·0	3·1	18·0	0·5	19·3	2·2	19·2	2·5	18·4	2·9	18·5	2·8	18·5	2·2	18·3	3·2	8
9	21·3	4·4	18·7	1·4	20·9	2·4	21·6	3·9	20·4	4·4	20·5	5·2	20·2	3·4	19·9	4·2	9
10	22·1	4·6	19·2	0·9	22·2	2·9	20·4	2·2	21·6	5·6	21·5	6·5	21·4	4·0	20·5	4·3	10
11	22·8	5·7	21·2	2·1	22·9	3·4	21·2	3·1	22·2	6·4	22·3	6·2	21·6	4·3	21·1	4·0	11
Noon	23·0	4·9	22·2	2·7	23·1	3·5	21·9	3·6	21·9	4·8	22·9	6·6	21·3	4·2	21·5	4·9	Noon
13h	23·1	4·9	20·4	1·5	23·0	3·8	22·5	4·3	21·1	4·8	23·1	6·5	22·2	4·3	22·1	5·6	13h
14	23·1	4·9	21·5	2·2	23·1	4·1	21·5	4·3	22·7	6·5	22·6	6·7	21·9	4·7	22·0	5·2	14
15	22·9	4·3	21·2	2·9	22·9	3·9	21·7	4·0	22·3	6·0	22·0	4·9	21·6	4·9	22·2	5·5	15
16	22·2	4·0	20·3	2·9	22·2	3·6	21·2	4·0	21·3	5·1	21·9	4·9	21·1	4·4	21·5	5·0	16
17	21·5	3·3	20·3	2·2	21·5	3·2	20·6	3·9	20·6	4·4	20·8	4·1	20·0	3·8	20·8	4·6	17
18	20·3	2·2	19·5	2·6	20·2	2·2	19·7	3·2	19·1	3·0	19·5	3·3	18·8	2·9	19·7	4·0	18
19	19·2	1·1	18·6	2·3	19·3	2·0	19·1	3·0	16·8	2·0	18·2	2·4	18·0	2·7	19·0	3·5	19
20	19·0	1·3	17·9	1·8	19·0	2·0	19·1	3·8	16·7	2·7	17·9	2·6	17·6	2·5	18·9	3·6	20
21	18·9	1·3	17·6	1·3	19·2	2·0	19·1	3·2	16.3	2·0	15·9	1·6	18·0	2·8	18·6	2·9	21
22	18·8	1·4	18·1	1·2	19·1	1·9	19·0	3·2	16·6	1·2	15·2	1·3	17·3	2·1	17·9	1·7	22
23	18·9	1·4	18·2	1·2	19·1	1·8	18·9	2·8	17·1	1·1	14·5	1·3	17·7	2·5	18·2	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°)

AUGUST 1923

Day. / Hour.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	18·1	1·4	19·1	4·2	19·2	4·3	18·0	2·1	18·2	1·1	18·7	2·0	18·8	1.6	19·2	1·0	Midnight
1h	17·7	2·1	18·9	3·2	19·1	3·9	17·3	2·3	18·7	1·5	18·1	1·6	18·8	1·4	18·8	0·9	1h
2	18·0	2·8	18·9	3·2	18·3	3·7	17·2	2·4	18·5	1·3	18·6	1·7	18·6	1·2	18·5	1·0	2
3	17·3	2·7	18·6	4·1	18·1	3·0	16·9	1·9	18·2	1·2	18·6	1·5	18·7	1·0	18·2	1·0	3
4	17·7	2·9	18·2	3·3	17·9	3·0	16·9	1·0	17·6	1·0	18·7	1·0	18·6	0·9	18·0	1·0	4
5	17·1	2·2	18·1	3·1	17·4	2·4	16·7	0·9	16·4	1·1	18·2	1·4	18·5	0.8	17·3	0·7	5
6	15·9	1·8	18·1	3·3	17·8	1·5	16·1	0·9	17·7	2·5	18·1	1·5	18·3	0·8	17·6	1·0	6
7	16·2	2·4	18·2	2·9	17·7	1·2	16·0	0·9	17·9	1.7	18·5	1·2	18·9	1·1	18·0	1·3	7
8	19·1	4·0	19·4	4·3	19·2	2·1	19·1	2·1	20·5	2·6	19·9	1·4	21·3	1·8	21·2	2·4	8
9	20·5	4·8	20·3	4 4	21·2	4.1	20·3	3·2	21·3	4·0	19·8	1·4	22·9	3·0	22·3	3·4	9
10	20·8	4·8	21·5	5·4	22·2	5·4	22·2	4·9	21·4	3·1	21·2	3·0	23·2	2·1	23·0	4·1	10
11	21·4	5·1	21·2	4·5	22·6	5·8	23·3	5·5	23·2	5·0	22·7	3·6	22·0	2·8	23·6	4·6	11
Noon	21·6	5·7	21·1	4·3	23·0	6·0	23·2	5·5	23·3	5·1	23·2	4·3	22·3	2·9	23·5	4·3	Noon
13h	22·1	6·1	21·9	5·4	23·1	6·2	23·1	5·7	23·9	6·0	23·1	4·2	22·2	2·3	23·7	4·9	13h
14	21·2	4·5	21·6	4·8	22·8	5·7	22·8	5·0	23·9	5·9	23·2	5·0	21·8	1·7	24·2	5·5	14
15	20·1	3·9	21·8	4·9	22·2	5.2	22·4	4·5	23·7	6·6	23·1	4·8	21·7	2·3	24·0	4·7	15
16	20·2	4·1	21·0	4·8	21·4	4·6	21·9	4·2	22·7	5 6	22·2	4·0	20 0	1·2	23·1	4·1	16
17	19·9	3·9	20·2	4·0	20·5	4·3	21·2	4·1	21·3	5·1	21·1	3·0	19·3	1·0	22·2	3·2	17
18	19·3	4·2	19·8	3·6	18·8	2.8	20·2	3·0	19·9	3·7	20·6	3·3	19·4	1·1	21·2	2·3	18
19	19·1	3·1	19·4	4·4	17·1	1·1	19·7	2·6	18·6	2·6	19·9	2·7	19·7	1·1	20·6	1·8	19
20	19·1	3·9	19·3	4 3	17·2	1·7	19·4	2·3	17·7	1·8	19·9	2·5	19·9	0·9	20·1	1·4	20
21	19.1	3·0	19·1	4·1	18·1	3·0	18·8	1·7	17·2	1·4	19·9	2·0	19·0	0·9	20·0	1·6	21
22	19 1	3·9	19·1	3·8	18·3	2·1	1·88	1·7	17·2	1·2	18·9	1·1	19·1	0·9	19·6	1·4	22
23	19·0	2·9	19·0	4·0	18·1	2·0	18·3	1·3	17·3	1.2	18·4	1·3	19·1	1·0	19.3	1·2	23

Day. / Hour.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean. Air.	Mean. Excess of Air over Evap	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	19·2	1·1	18·7	1·0	18·9	1·7	16·6	1·0	18·2	2·1	17·1	1·2	19 0	1·7	18·3	1·6	Midnight
1h	19·1	1·2	18·7	1·2	18·3	1·2	17·2	1·1	18·1	2·0	16·9	1·0	18·1	0·9	18·1	1·6	1h
2	19·1	0·9	18·2	0·8	18·1	1·1	17·1	0·9	18·0	1·8	16·3	1·2	18·1	1·0	18·0	1·6	2
3	18·9	0·8	18·0	1·0	18·1	1·1	16·6	0·9	18·0	2·0	17·0	1·2	18·0	0·9	17·8	1·5	3
4	18·3	0·8	18·3	0·8	18·0	1·1	16·9	1·0	17·9	1·7	16·7	0·8	18·1	1·1	17·7	1·4	4
5	18·2	1·0	18·4	1·0	17·2	0·9	18·8	1·0	16·8	1·3	15·5	0·7	18·3	1·2	17·5	1·3	5
6	18·3	1·2	18·1	1·0	17·6	1·3	18·8	1·4	16·4	1·0	15·5	1·3	18·7	1·7	17·4	1·4	6
7	19·1	1·0	18·8	1·2	17·3	0·6	18·8	0·7	16·9	1·2	16·8	0·9	18·7	1·9	17·6	1·4	7
8	21·2	1·9	21·2	2·0	21·5	2·9	19·9	1.7	17·5	1·2	20·0	2·2	21·2	3·0	19·4	2·1	8
9	22·3	3·0	22·2	2·6	22·7	4·0	21·5	3·0	18·2	1·1	21·7	4·0	22·3	4·0	20·8	3·1	9
10	23·1	3·9	23·4	4·1	23·4	4·5	22·0	3·3	20·7	2·6	22·7	4·7	23·5	5·4	21·7	3·6	10
11	23·2	4·3	23·9	4·2	24·0	6·0	23·1	4·5	21·7	4·1	23·0	4·8	23·6	5·4	22·3	4·2	11
Noon	23·3	3·9	23·8	4·3	24·7	6·9	23·4	4·5	22·0	4·6	22·5	4·4	23·6	5·2	22·4	4·2	Noon
13h	20·4	1·8	23·8	4·1	24·9	7·6	23·2	4·4	21·9	4·8	23·2	5·1	23·7	5·1	22·4	4·3	13h
14	22·9	3·2	24·1	5·2	24·1	6·7	23·0	4·6	22·1	5·1	23·0	4·6	23·8	5·3	22·7	4·6	14
15	22·1	2·2	23·9	4·8	23·8	6·1	22·8	4·5	21·1	4·0	22·1	3·3	23·1	4·6	22·3	4·3	15
16	22·2	3·0	23·2	4·2	23·0	5·3	22·2	4·3	20·6	3·4	21·5	3·4	22·2	4·1	21·7	4·0	16
17	21·6	2·7	22·3	4·0	21·9	4·8	21·1	4·0	19·1	1·9	20·6	2·5	21·0	3·5	20·9	3·4	17
18	20·2	1·6	20·6	2·5	20·2	3·1	20·0	3·2	19·0	2·7	20·0	2·5	19·8	2·8	19·9	2·7	18
19	19·9	1·6	19·1	2·0	18·7	1·9	19·5	3·0	18·5	2·1	19·5	2·4	19·0	2·3	19·0	2·2	19
20	19·9	1·4	19·1	1·8	17·6	2·2	19·0	2·6	17·9	1·2	19·1	2·0	18·9	2·3	18·8	2·1	20
21	19·8	1·2	19·0	1·9	16·1	1·8	18·6	2·3	16·7	0·7	19·0	2·1	18·8	2·1	18·5	1·9	21
22	19·6	1·2	18·8	1·9	15·7	1·6	18·7	2·7	17·6	1·4	19·1	2·2	19.2	2·2	18·4	1·7	22
23	19 0	1·1	18·3	1·4	17·1	1·1	18·9	2·8	16·7	0·8	19·2	2·1	19·?	2·0	18·2	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.)

AUGUST 1923.

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	890	914	889	928	893	915	889	929	883	942	890	949	900	944	890	924	Midnight
1h	888	918	889	928	891	913	886	936	886	936	891	943	900	936	889	926	1h
2	888	919	887	934	885	923	878	952	889	929	900	932	888	919	889	928	2
3	884	924	887	932	890	923	873	941	877	935	885	937	886	922	879	932	3
4	885	923	888	931	898	912	880	948	889	921	891	921	886	936	881	919	4
5	888	919	886	934	892	919	876	958	882	927	884	939	888	930	886	914	5
6	886	921	887	934	890	914	880	948	876	936	887	934	886	935	887	919	6
7	888	919	888	931	887	919	878	954	887	933	887	934	881	928	890	914	7
8	891	922	887	933	874	926	872	967	877	934	888	930	876	924	886	921	8
9	891	945	900	950	882	943	876	958	900	947	886	967	879	951	883	941	9
10	889	952	887	962	888	957	887	963	900	967	888	961	889	956	884	939	10
11	879	950	900	968	886	968	900	976	900	964	889	955	883	942	900	933	11
Noon	882	944	887	963	878	953	887	964	884	982	900	966	888	957	900	945	Noon
13h	882	944	892	940	900	985	887	966	900	973	887	962	885	937	900	944	13h
14	889	956	880	949	885	977	883	983	900	989	888	960	886	935	900	940	14
15	890	951	900	966	875	959	883	987	885	975	888	957	890	947	900	942	15
16	890	950	890	950	887	962	882	991	887	963	891	945	888	958	893	935	16
17	882	945	890	949	880	949	891	944	873	966	885	938	881	947	890	948	17
18	885	938	887	932	882	943	880	949	879	951	889	928	889	927	887	934	18
19	888	931	894	914	885	937	889	955	884	940	887	919	893	917	890	925	19
20	885	938	894	915	886	934	900	958	875	938	888	919	885	924	892	920	20
21	889	929	888	919	883	941	872	967	875	937	885	923	888	918	890	923	21
22	884	940	887	919	886	935	900	981	900	932	895	925	891	912	889	917	22
23	884	939	900	922	889	927	888	958	900	956	895	925	889	917	885	938	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	924	891	922	888	930	885	938	891	913	891	909	893	907	887	913	Midnight
1h	888	930	887	919	884	924	885	938	890	915	884	911	892	903	888	909	1h
2	883	942	900	922	900	926	884	940	893	916	879	909	892	919	891	907	2
3	877	934	897	913	889	926	873	941	887	913	850	933	888	918	891	907	3
4	879	921	894	914	890	925	882	927	894	906	847	935	878	914	894	904	4
5	885	923	890	914	900	926	877	934	891	909	872	911	886	906	892	906	5
6	889	929	879	931	904	921	890	925	876	915	854	919	886	906	887	909	6
7	887	933	900	927	892	920	882	927	879	914	880	908	882	908	888	918	7
8	885	938	917	941	880	930	874	940	884	911	883	907	883	911	890	915	8
9	888	958	912	931	885	937	882	944	864	924	871	929	891	922	882	945	9
10	890	951	893	933	882	944	883	941	866	934	844	956	881	947	884	939	10
11	891	943	890	949	877	956	876	958	883	942	857	943	877	934	891	943	11
Noon	900	964	900	967	888	958	900	955	883	943	846	954	881	928	875	959	Noon
13h	900	949	889	952	886	973	888	960	883	941	861	939	886	934	879	951	13h
14	914	973	888	958	878	959	886	969	881	946	880	949	881	928	888	960	14
15	900	974	900	964	887	965	878	954	879	951	855	945	875	937	875	960	15
16	900	959	889	953	889	955	876	957	883	943	870	946	863	937	879	951	16
17	900	968	883	941	880	948	874	964	888	930	868	932	857	943	876	957	17
18	887	934	900	947	891	943	877	935	887	913	869	921	863	937	883	941	18
19	888	919	887	933	894	930	886	914	895	905	877	915	877	923	886	936	19
20	886	921	891	913	883	926	882	927	887	913	887	909	866	934	891	946	20
21	888	919	888	919	888	930	877	923	891	907	887	909	861	939	893	932	21
22	886	922	879	931	885	924	891	913	888	909	893	904	869	931	894	927	22
23	882	918	900	926	878	932	892	918	891	907	891	907	879	921	895	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.*)

AUGUST 1923.

Hour \ Day.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Hour \ Day.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	884	924	888	931	889	916	892	911	892	908	888	930	883	942	889	926	Midnight
1h	876	936	887	933	884	924	891	913	887	913	889	926	885	938	893	934	1h
2	874	940	878	933	883	917	888	918	893	909	878	933	882	943	890	924	2
3	882	927	887	920	885	915	885	915	893	909	883	925	886	934	894	929	3
4	883	925	887	919	887	913	896	921	902	911	880	920	887	934	891	922	4
5	885	924	890	924	884	916	895	912	894	914	885	915	886	934	891	921	5
6	889	926	890	924	891	922	895	903	890	914	882	918	890	925	889	929	6
7	891	922	890	925	892	911	889	905	884	916	889	929	887	934	889	929	7
8	887	932	884	940	889	926	885	907	873	927	883	942	885	938	889	927	8
9	877	956	879	950	892	939	890	925	882	945	891	945	893	933	900	963	9
10	887	963	887	962	886	936	877	905	891	943	879	952	890	950	889	952	10
11	874	963	888	958	879	951	900	927	891	944	887	962	908	940	900	960	11
Noon	876	958	889	953	890	949	890	924	890	947	886	971	900	938	911	955	Noon
13h	888	961	889	954	890	947	900	927	883	941	887	962	900	946	900	953	13h
14	877	955	889	954	880	949	906	928	884	939	888	960	900	951	909	943	14
15	879	952	879	951	879	952	888	931	884	940	886	968	900	956	889	955	15
16	880	948	882	944	882	944	894	928	883	941	873	965	883	941	888	959	16
17	883	941	883	942	887	934	889	929	883	943	877	956	889	929	882	944	17
18	887	934	889	928	890	914	896	910	877	923	879	951	884	924	890	951	18
19	888	930	894	929	892	908	893	907	888	919	881	946	884	940	887	933	19
20	884	940	890	924	892	908	892	908	888	919	883	942	890	949	886	935	20
21	893	934	887	920	892	908	892	908	889	917	878	953	892	941	883	941	21
22	893	933	887	919	893	916	890	910	887	919	888	960	893	933	894	928	22
23	888	930	889	916	891	912	890	910	886	914	881	947	892	919	889	926	23

Hour \ Day.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Hour \ Day.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	893	932	900	921	882	918	893	909	890	925	885	915	890	924	889	924	Midnight
1h	886	936	895	923	878	922	890	915	885	915	839	929	880	920	888	925	1h
2	886	935	896	918	879	921	893	910	882	918	882	918	874	911	887	925	2
3	887	932	897	913	878	922	893	909	884	916	884	940	885	906	884	924	3
4	889	928	897	914	885	915	892	910	889	911	894	927	884	907	887	920	4
5	887	933	896	918	885	915	883	941	892	908	890	914	882	918	887	922	5
6	889	929	896	920	890	910	885	938	900	915	884	916	881	919	886	923	6
7	888	930	896	918	886	914	900	916	891	912	885	915	891	942	888	923	7
8	883	943	895	922	881	928	881	947	910	914	884	939	885	938	885	930	8
9	900	965	900	945	878	952	871	971	900	927	900	943	875	961	887	946	9
10	900	971	900	940	867	949	872	967	883	943	887	962	872	967	884	950	10
11	900	958	908	940	878	954	886	972	919	946	890	947	878	952	889	952	11
Noon	910	951	907	936	878	953	871	969	891	943	890	948	879	950	888	953	Noon
13h	900	951	909	944	882	944	873	966	907	935	891	944	890	949	890	951	13h
14	891	943	900	940	878	954	874	963	909	945	878	954	880	949	889	953	14
15	890	951	900	935	877	955	854	968	886	935	881	946	890	949	885	954	15
16	891	945	885	938	884	943	872	967	892	941	882	944	879	951	884	950	16
17	881	947	885	924	868	932	877	956	910	925	883	943	879	951	882	944	17
18	886	936	894	927	873	927	886	936	891	922	889	926	886	936	885	933	18
19	884	939	892	919	894	906	882	943	889	911	889	928	889	917	888	925	19
20	889	928	888	912	896	904	875	938	903	906	878	922	885	915	887	925	20
21	884	939	887	919	896	904	881	946	892	911	876	924	891	921	886	926	21
22	900	939	893	905	892	908	891	943	880	920	876	936	883	926	889	926	22
23	908	938	893	917	891	909	890	949	892	908	878	933	883	926	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 August 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 *).*

AUGUST 1923.

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

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	2·9	6	3·3	5	1·9	5	1·4	4	1·2	6	3·2	6	4·5	6	2·8	7	3·3	8	2·1	4	2·6	5	1·1	6	2·7	4	2·1	6	2·6	2·6
1h	5	4·4	6	3·5	5	2·9	5	1·6	4	1·8	6	2·8	6	4·1	7	3·5	6	3·9	7	2·4	4	3·1	5	1·8	4	2·2	6	3·1	2	2·8	2·8
2	5	4·8	5	4·0	4	2·4	5	2·1	5	1·1	5	4·0	6	4·7	6	2·6	6	3·8	7	1·8	4	3·0	5	1·2	4	2·5	4	2·5	2	2·8	2·9
3	5	3·3	5	2·4	4	2·2	4	2·1	5	1·1	5	3·0	6	3·7	7	3·0	6	3·4	7	1·3	4	3·2	5	1·1	4	2·3	6	4·3	2	1·6	2·9
4	5	3·0	5	2·3	4	1·8	7	2·2	9	1·1	4	2·9	6	3·6	6	2·4	6	3·0	7	1·4	4	2·1	5	1·3	4	1·5	7	2·8	2	1·8	2·7
5	5	2·8	6	2·6	4	2·3	6	1·3	6	1·5	4	2·2	6	3·7	6	2·3	6	3·5	7	1·8	4	2·2	6	4·4	4	1·1	5	1·7	4	2·6	2·5
6	6	2·8	6	2·6	6	2·4	3	0·6	5	1·7	4	2·6	6	2·7	6	3·1	6	3·1	7	2·0	4	1·4	6	4·1	8	1·5	4	2·3	4	2·7	2·7
7	6	2·4	6	2·7	5	1·4	2	1·2	4	2·3	6	3·1	6	3·6	6	3·1	6	3·2	7	1·8	4	2·0	8	1·6	5	1·5	4	2·2	7	4·3	2·7
8	6	3·4	6	4·3	6	2·8	2	1·7	4	3·8	6	4·5	6	4·1	6	2·9	6	4·6	7	2·3	5	3·4	6	5·1	11	1·7	6	4·2	6	4.1	3·5
9	6	6·1	6	5·4	7	4·0	6	2·7	6	4·9	7	4·6	7	3·4	8	6·3	8	6·5	8	4·5	6	5·7	6	7·7	8	2·7	8	4·3	6	6·6	4·9
10	7	6·4	7	6·3	6	3.9	1	2·4	7	4·4	6	5·6	7	5·1	7	5·3	8	7·1	8	4·0	5	5·9	6	7·3	6	4·6	7	6·3	6	7·3	5·4
11	6	6·8	7	5·9	6	5·5	8	2·7	7	4·5	7	6·3	9	4·1	8	6·0	8	5·8	9	4·1	6	5·9	7	7·3	10	5·0	7	4·8	6	5·7	5·4
Noon	6	6·3	7	5·4	7	5·0	6	2·6	7	4·8	7	7·2	8	3·8	9	5·6	9	5·2	9	3·7	6	5·8	6	7·5	7	4·4	7	4·9	6	5·4	5·6
13h	7	6·2	7	5·5	7	4·8	8	2·7	6	4·4	7	6·3	8	4·6	8	5·3	8	5·1	9	4·5	6	4·8	6	7·1	9	3·6	7	4·5	7	5·0	5·3
14	6	6·0	7	5·5	6	5·3	9	2·9	6	4·2	7	6·1	8	5·1	9	4·4	7	4·4	8	4·0	6	5·9	6	6·8	9	4·6	6	5·9	6	5·3	5·6
15	6	5·6	6	5·5	6	5·6	6	3·3	6	4·3	7	6·9	8	5·6	7	5·6	7	5·2	8	3·5	6	6·0	5	8·2	6	3·8	6	5·0	7	5·0	5·7
16	6	5·2	6	4·8	6	4·8	7	2·9	6	4·4	6	7·0	6	4·4	7	6·0	7	4·6	6	4·1	6	4·6	6	7·2	7	4·2	6	4·8	6	5·5	5·3
17	6	4·4	6	4.5	6	3·6	6	3·1	6	4·6	6	6·1	6	3·1	6	4·8	6	5·1	5	2·8	4	4·6	6	6·1	10	2·7	6	4·6	6	5·5	4·8
18	6	3·6	6	3·0	5	1·7	6	1·1	4	3·3	6	5·5	5	2·9	7	5·2	6	3·9	7	2·8	4	3·8	5	4·4	6	2·4	6	2·8	6	3·9	3·7
19	6	3·2	7	3·0	4	1·2	4	1·0	5	2·2	6	5·0	6	4·3	6	3·5	6	4·2	6	2·1	4	0·8	6	4·7	4	1·5	6	3·0	5	2·0	2·9
20	6	4·3	6	2·6	4	1·1	4	1·1	5	2·2	6	4·5	7	5.0	6	3·8	6	3·0	4	1·7	4	0·6	5	4·6	10	0·7	4	3·2	4	2·2	2·9
21	7	3·5	5	2·4	4	1·1	4	1·2	5	2·0	6	5·8	7	4.2	6	4·4	6	4·2	5	2·3	4	0·6	6	5·0	5	1·4	4	3·4	6	2·3	3·1
22	7	3·4	5	2·3	6	1·8	4	1·4	5	2·3	7	6·1	7	3·4	7	2·9	8	3·9	3	0·9	4	1·1	7	4·4	4	2·9	5	4·4	5	3·1	3·0
23	6	3·2	5	1·9	5	1·5	4	1·4	4	2·0	6	5·1	6	2·1	6	2·8	9	3·9	6	1·9	4	1·3	7	5·0	4	1·2	5	4·0	5	3·1	2·9

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for AUGUST 1923.

Hour Ending \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m	m.m
1h	...	...	...	...	0·1	0·1	0·2	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...
3	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	0·2	...	...	...	...	0.1	...	...	...	...	...	0·2	...	...	...	...	...	...	0·5	...	0.3	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	0·2	...	...	...	...	...	0.3	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	0·1	...	0.5	...	...	...	0·7	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·2	0·1	...	...
8	...	...	...	0·6	...	...	...	...	...	0.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	0·1	...	0·1	0·7	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...
10	...	...	...	3·5	1·5	...	...	...	...	0.7	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	0·1	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	0·1	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...
21	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...
22	...	...	...	...	0·5	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...
23	...	...	...	0·5	1·0	...	...	...	...	0·7	...	...	...	...	...	0·1	...	...	...	...	...	0·2	0·1	...	0·2	...	...	...	...	...	...
24	...	...	...	0·2	0·9	...	...	...	...	...	...	...	...	...	...	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 AUGUST 1923.

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	1.02	26·0	48.0	8
	3	Belmont	50	1.0	25·5	34·8	8
	4	Poudre d'Or	20	0.91	23·0	35·3	8
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	2·19	55·6	55·9	14
	7	Forbach*	300	1·24	31·4	...	9
	8	Labourdonnais ...	290	0·88	22·0	64·8	8
	9	Beau Séjour	300	2·07	52·6	89·2	20
	10	Mont Piton	860	1·47	37·3	78·7	14
	11	Mon Choix	700	1·20	30·5	72·9	12
	12	Antoinette	640	1·49	37·8	97·0	8
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	3·03	77.0	92·7	17
	15	Mon Songe	1,620	1·73	43·9	98·3	10
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	1·59	40·4	71·1	19
	19	The Observatory ...	179	0·92	23·3	59 8	...
	20	Solitude§	175	...	..	...	...
	21	St. André§	90	...	...	...	...
	22	Belle Vue Harel* ...	350	1·53	38·9	...	11
	23	Mont Choisy*	10	0·60	15·2	...	1
	25	Esperance (Trébuchet)§	165	...	...	...	...
	28	Mon Rocher*	...	1·13	28·7	...	8
	45	Roche Bois Station§ ...	44	..	...	...	...
	46	Riche Terre Station* ...	106	0·08	2·0	...	1
	47	Terre Rouge Station* ...	137	Nil	Nil	...	Nil
	48	Mapou Station* ...	296	0·59	15·0	...	2
	49	Poudre d'Or Station* ...	172	0·71	19.0	...	4
	50	Rivière du Rempart* ...	134	1·93	49·0	...	5
2 & 3	1	Union Régnard ...	600	4·22	107·1	93·2	20
	2	Constance d'Arifat L.G..	100	1·03	26·2	67·6	7
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	1,600	4.50	114·2	120·1	13
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	2·89	73·4	...	15
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)* ...	...	3·12	79·2	...	5
	9	Belle Vue (Allendy)* ...	...	1·64	41·6	...	8
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci	900	6·63	168·3	209·5	20
	2	Etoile	400	3·36	85·3	134·9	9
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive*	400	3·73	94·7	...	14
	5	Olivia	400	3·78	96·0	96·8	19
	6	Deep River*	350	3·59	91·2	...	16
	7	Belle Rose Estate* ...	...	2·20	55·9	...	17
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	5·92	150·4	...	26
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau	460	2·35	59·7	110·5	9
	3	Ferney	20	2·31	58·6	105·4	17
	4	Beau Vallon	60	1·66	42·2	75·4	16
	5	Union Vale	200	2.05	52·0	61·2	11
5 cont.	6	Mon Désert (Carié)* ...	75	3·31	84·1	...	17
	7	Cluny§	1,000	...	...	...	...
	8	Union Park*	...	7·45	189·2	...	22
	9	Sauveterre Estate* ...	...	2·95	74·9	...	11
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	9·72	246·9	255·3	24
	2	Tivoli*	1,300	9·33	237·0	...	23
	3	La Flora*	1,050	10·97	278·6	...	20
	4	Britannia	780	4·23	107·4	152·1	21
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	...
	9	St. Avold*	900	6·27	159·2	...	23
	10	Terracine§	100	...	...	...	...
	12	Bel Air	...	2·05	52·1	...	11
	13	Chamouny*	...	11·26	286·0	...	13
	14	Union S. E.*	...	3·54	90·0	...	12
	15	Fontenelle*	...	4·05	103·0	...	10
	16	Combo*	...	3·	88·4	...	9
	17	St. Felix (Wilson)* ...	...	0·50	12·7	...	2
	18	Choisy Estate*	...	3·93	99·8	...	13
7, 8 & 9	1	Bel Ombre	40	3·59	91·2	95·8	15
	3	Beau Champ*	...	3·40	86·4	...	12
	4	Board*	...	4·28	108·7	...	13
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10	...	No returns.	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	7·83	198·9	186·9	20
	3	Mare aux Vacoas ...	1,850	9·29	236·0	254·5	31
	4	La Marie Filter Bed ...	1,700	5·00	126·9	119·4	22
	5	Réunion	1,420	5·81	147·6	131·6	13
12	1	The Manse	850	1 40	35·5	43·9	20
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	2·44	61·8	58·4	25
	4	Alma	1,460	5·73	145.5	177·0	24
	5	Bagatelle	1,250	3·52	89·4	94·7	22
	6	Highlands*	1,300	6·04	153·4	...	19
	7	Trianon	950	2·40	60·9	66·5	16
	8	Salency§	923	...	...	...	..
	9	La Ferme*	350	0·67	17·0	...	15
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	2·65	67·3	55·9	17
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	..
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	3·45	87·6	...	8
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...

* Normals not available § Record not Receive

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NEW SERIES (MONTHLY). VOL. IX. PART 9 PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS

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

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

SEPTEMBER 1923

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

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Weather Bureau

PORT LOUIS

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1924.

TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of SEPTEMBER 1923.

Month and Day. 1923.	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)	List of Earthquakes. Date.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	E.-W. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	Remarks.
SEPT.	° ′			′													
1	10.51·0	·22981	·30015	5·3	38	19	...	...	...	...	...	...	...	...	...	...	Driving clock out of order.
2	50·8	989	012	5·3	30	18											
3	50·4	993	012	5·0	27	14											
4	50·3	988	016	4·8	26	12											
5	50·2	988	011	6·8	22	21											
6	50·0	992	014	6·1	33	25											
7	50·0	991	011	6·0	31	31											
8	49·6	987	009	6·7	18	34											
9	50·6	988	007	7·7	24	31											
10	49·6	968	009	6·3	57	35											
11	50·5	976	010	7·3	28	35											
12	50.1	973	004	7·9	30	34											
13	49·7	974	001	6·2	19	29											
14	50·7	975	·30000	6·5	39	22											
15	50·3	978	·29996	5·1	17	20											
16	50·9	980	988	9·3	17	42											
17	51·1	979	988	7·6	19	38											
18	51·9	973	984	8·3	32	35											
19	52·0	974	983	7·6	12	25											
20	52·8	979	982	6·2	22	20											
21	52·2	986	981	3·8	16	21											
22	51·7	987	981	9·0	18	27											
23	51·9	982	982	8·2	23	28											
24	52·0	980	983	6·8	28	23											
25	51·3	979	980	8·7	18	35											
26	51·1	971	978	10·5	23	29											
27	51·0	932	988	6·4	94	25											
28	53·2	931	991	5·7	55	14											
29	52·6	950	984	8·7	30	26											
30	53·2	955	977	7·3	21	40											
31	...	...	...	...		...											
Mean	10·51·08	·22976	·29996	6·90	28.9	25·6	...	...	...	...	...	...	...	...	...	...	...

T=0·37784 : Mean Dip.=θ=52°.32′·98 (X=·22565 : Y=−·04325 : Z=·29996).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of SEPTEMBER 1923.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Horizontal Force (C.G.S. Unit) Observed Value.	Dip (South). A. M. Observations. Day and Hour.	A. M. Observations. Observed Value.	Resulting Vertical Force. C. G. S. Units.	P. M. Observations. Day and Hour.	P. M. Observations. Observed Value.	Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
Sept. 7.10·03	10·53·02	Sept. 5·10·21	·22988	Sept. 5·10·21	52.33·93	·30030	Sept. ...	...	...
.13·12	10·50·32	·13·36	·22984	7·10·26	52·32·81	·30028	7. 13.21	52.31.05	·29999
14 10·53	10·54·87	14·13·22	·22941	17.10.23	52.31.54	·29985	17.14.01	52·31·34	·29961
.12·54	10·51·74	17·10·12	·22986	24.11.36	52.32.62	·30003	24.13.42	52.29.87	.29968
19. 9·27	10·54.50	·13·45	.·22965						
24.13·33	10.49.16	26.13.33	·22982						
24 11.18	10·53 53	.10.11	·22975						

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

SEPTEMBER 1923.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
—	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	51·2	51·3	50·5	50·5	50·3	50·3	50·5	50·0	50·2	50·0	50·3	50·5	50·2	50·2	50·2	50·5	Midnight
1h	51·1	51·5	50·8	50·5	50·2	50·1	50·3	50·0	50·1	50·2	50·2	50·7	50·2	51·0	50·2	50·2	1h
2	51·1	51·0	50·5	50·2	50·0	49·9	50·0	50·0	50·3	49·9	50·4	51·0	50·2	50·7	50·1	50·1	2
3	51·0	50·5	50·3	49·8	50·0	49·8	49·9	50·0	50·3	49·8	51·0	50·7	50·0	50·3	50·0	50.2	3
4	50·5	50·3	50·2	49·7	49·8	49·7	49·8	49·9	50·1	50·2	50·7	50·5	50·0	50·5	50·0	50·5	4
5	50·2	50·1	50·3	49·7	49·7	49·5	49·5	49·8	50·1	50·5	50·3	50·2	50·2	50·7	50·0	50·6	5
6	49·9	49·8	49·3	49·7	49·3	49·3	49·3	49·7	49·7	49·0	49·8	50·1	50·0	50·0	50·3	50·3	6
7	49·0	49·0	49·5	49·0	48·7	48·0	49·0	48·7	48·0	48·8	48·5	49·0	48·7	49·2	50·7	50·0	7
8	49·3	49·4	50·0	49·5	49·5	49·0	49·3	49·3	49·7	48·8	49·3	49·0	49·7	51·0	52·0	51·9	8
9	51·5	51·5	50·7	51·0	52·0	50·7	51·3	51·0	52·2	49·3	52·0	51·0	51·8	52·7	52·7	54·0	9
10	53·3	53·0	51·3	52·2	53·7	53·0	52·5	52·5	54·2	52·0	53·0	53·5	52·5	53·8	53·2	55·8	10
11	54·1	54·0	53·0	53·3	54·5	54·1	53·8	52·7	55·7	52·5	54·5	54·2	52·7	54·7	52·7	55·7	11
Noon	54·1	53·8	52·5	52·5	53·0	53·0	52·0	51·0	54·7	51·8	55·0	53·0	51·0	53·5	50·2	54·5	Noon
13h	52·2	52·0	51·0	51·0	50·5	50·0	49·9	48·2	53·5	50·3	53·0	49·0	48·1	50·5	48·7	51·0	13h
14	51·3	51·5	50·7	49·3	49·0	49·3	49·0	47·3	52·0	48·5	50·0	47·2	47·3	49·5	48·7	48·0	14
15	49·0	49·8	50·0	48·7	48·0	48·3	47·8	46·0	48·3	46·5	47·8	46·3	46·7	48·7	48·2	46·5	15
16	48·8	49·1	48·3	48·5	47·7	48·0	48·0	46·8	48·0	46·2	47·7	47·1	46·5	48·2	48·1	47·3	16
17	49·3	48·7	48·0	48·7	47·8	48·3	49·2	48·0	48·5	47·3	48·5	49·0	47·3	49·0	49·3	48·7	17
18	49·9	49·7	49·2	50·0	49·3	49·3	49·7	49·3	49·7	49·0	49·9	50·2	49·1	49·8	50·5	50·5	18
19	51·0	50·5	50·3	50·5	50·0	50·0	50·0	49·9	49·8	50·2	50·1	50·3	49·9	50·5	50·5	51·7	19
20	51·0	50·7	50·7	50·5	50·2	49·9	50·0	50·0	49·9	50·2	50·0	50·3	50·2	50·5	50·5	51·3	20
21	51·0	51·0	51·0	50·7	50·2	50·1	49·8	50·0	49·7	50·1	50·5	50·1	50·3	50·7	51·0	51·2	21
22	51·5	50·8	50·7	50·5	50·2	50·1	49·8	50·1	49·7	49·8	49·9	49·8	50·0	50·3	50·3	51·0	22
23	51·7	50·7	50·5	50·3	50·3	50·0	50·0	50·1	49·8	50·0	49·8	49·9	49·7	50·0	50·0	50·7	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	50·7	51·5	52·3	52·2	52·0	52·0	52·1	52·0	52·0	52·3	52·5	55·0	53·0	52·5	...	51·3	Midnight
1h	50·5	52·0	52·3	52·2	52·2	52·2	52·2	51·8	52·3	52·5	54·0	54·3	52·7	52·5	...	51·3	1h
2	50·0	52·3	52·5	52·5	52·0	52·3	52·0	52·5	51·8	52·5	52·5	55·0	52·5	52·5	...	51·3	2
3	50·7	51·0	51·7	52·3	52·1	52·5	52·2	51·7	52·2	52·7	53·3	54·0	52·7	52·2	...	51·1	3
4	51·0	51·3	51·5	51·7	51·0	52·4	52·2	51·8	52·3	53·0	53·0	54·0	51·0	51·4	...	51·0	4
5	50·7	51·9	51·5	52·0	51·9	52·1	52·5	51·9	52·0	53·0	49·0	53·8	52·5	53·5	...	51·0	5
6	50·5	51·7	51·7	51·3	51·3	52·3	51·7	51·0	51·5	52·7	48·0	49·3	52·3	53·0	...	50·5	6
7	50·5	51·5	51·0	51·8	51·2	53·0	52·0	52·0	52·2	53·7	47·8	52·2	54·0	54·5	...	50·4	7
8	50·0	52·7	52·5	53·8	52·7	54·2	53·5	53·5	54·0	54·0	47·8	54·3	55·0	54·7	...	51·3	8
9	53·5	54·5	53·8	56·0	54·0	55·8	55·0	54·7	56·0	55·0	50·2	54·9	56·2	56·2	...	53·0	9
10	54·5	56·0	56·3	57·0	54·3	56·0	55·5	55·5	55·8	53·5	48·1	54·5	56·5	57·0	...	54·0	10
11	55·3	56·5	56·2	56·5	54·5	53·5	55·2	55·0	54·0	49·0	50·2	54·2	55·0	57·3	...	54·2	11
Noon	54·0	55·5	54·3	55·3	54·1	50·0	53·5	53·8	51·5	46·0	50·3	53·8	52·0	56·8	...	52·9	Noon
13h	52·8	51·5	52·0	53·5	52·0	47·3	49·0	51·0	49·7	44·7	48·7	51·0	48·0	51·8	...	50·4	13h
14	50·0	49·2	49·3	52·0	51·0	47·0	47·3	49·0	49·0	44·5	48·2	51·0	47·8	50·0	...	49·1	14
15	47·8	48·2	48·7	51·8	50·8	47·8	47·3	48·7	47·3	45·3	48·7	51·8	50·0	50·2	...	48·4	15
16	47·7	48·5	49·0	51·0	50·7	49·0	49·0	49·2	47·5	47·5	49·9	52·5	51·0	51·2	...	48·6	16
17	49·0	49·5	49·9	50·8	51·8	51·8	51·0	51·5	49·8	48·3	52·3	53·8	52·3	52·5	...	49·7	17
18	50·0	50·5	51·0	51·7	52·0	52·0	52·2	52·0	51·8	51·0	52·7	53·5	53·4	52·5	...	50·7	18
19	51·0	51·2	51·5	52·1	52·0	51·8	52·5	51·7	51·0	52·5	52·7	53·0	53·4	52·8	...	51·1	19
20	51·0	51·7	52·0	53·0	51·8	51·5	52·3	52·3	49·8	52·7	52·7	53·3	53·0	52·9	...	51·2	20
21	51·2	51·7	52·2	52·1	52·0	51·3	52·2	52·2	49·5	52·7	53·0	52·0	53·0	53·0	...	51·2	21
22	51·3	51·8	53·2	52·5	52·0	52·0	51·8	51·7	49·0	54·0	54·2	53·0	53·0	53·2	...	51·2	22
23	51·2	51·8	52·2	52·2	52·0	52·0	51·2	52·0	48·7	53·0	53·8	52·7	53·0	53·3	...	51·1	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*).

SEPTEMBER 1923.

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	081	072	089	079	087	080	087	079	085	077	072	073	067	073	073	077	Midnight
1h	081	073	087	084	087	083	087	082	086	083	076	074	068	070	072	078	1h
2	080	077	090	083	087	085	089	082	087	100	075	070	072	077	074	081	2
3	079	080	097	087	088	084	091	083	086	090	073	076	077	078	075	084	3
4	085	082	100	090	099	087	093	084	088	074	073	070	078	082	077	084	4
5	083	086	098	089	093	088	094	085	089	076	073	071	078	088	078	087	5
6	086	088	102	093	094	090	097	087	090	077	075	070	080	092	079	088	6
7	092	093	104	097	095	093	098	089	091	072	077	073	078	094	080	089	7
8	097	095	106	100	096	097	099	093	097	067	077	075	077	096	080	086	8
9	097	101	107	104	094	104	098	095	096	068	080	078	078	095	077	085	9
10	095	102	100	104	090	107	098	097	096	068	078	079	081	087	084	084	10
11	089	097	095	097	089	108	102	096	096	064	087	084	083	091	089	080	11
Noon	090	091	095	097	090	113	106	097	098	070	094	095	080	085	083	078	Noon
13h	085	090	097	095	086	108	105	094	099	065	087	094	072	062	076	077	13h
14	082	090	094	084	082	098	099	088	099	057	082	086	067	064	072	077	14
15	085	087	087	085	077	087	095	083	092	043	070	074	064	067	073	082	15
16	072	087	080	085	080	086	093	080	087	047	067	067	067	060	077	080	16
17	073	088	080	078	084	086	077	084	083	055	070	065	066	060	078	074	17
18	074	092	085	080	086	086	075	087	080	064	077	065	070	065	080	075	18
19	070	091	091	078	086	085	077	087	076	062	078	065	071	067	083	072	19
20	066	089	092	079	085	086	078	087	077	064	072	064	076	057	078	073	20
21	059	092	089	083	087	087	078	086	078	063	068	066	077	064	076	076	21
22	060	094	092	084	085	087	079	085	075	062	066	066	076	065	073	075	22
23	077	091	091	083	085	090	082	085	076	070	068	067	074	067	077	074	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	075	073	070	075	082	084	083	077	072	082	052	—003	033	053	..	072·0	Midnight
1h	076	073	072	075	081	083	087	077	078	083	072	+001	036	052	...	073·9	1h
2	076	073	073	075	083	084	089	077	083	086	073	017	045	052	...	076·5	2
3	078	075	077	076	087	084	089	077	082	085	077	045	044	057	...	078·7	3
4	080	084	076	081	089	084	084	079	084	086	076	032	053	067	...	080·0	4
5	084	082	075	078	088	085	087	079	085	086	061	032	057	058	...	079·8	5
6	085	083	074	085	087	084	087	086	084	085	059	049	045	053	..	081·2	6
7	087	084	074	083	087	082	086	084	084	078	060	052	048	053	...	081·9	7
8	087	089	075	078	088	081	089	082	082	082	050	047	053	050	...	082·4	8
9	088	085	077	078	089	082	090	083	074	083	022	038	056	049	...	081·7	9
10	088	078	077	080	092	087	085	081	070	077	010	035	053	048	...	080·4	10
11	082	072	077	095	096	096	080	082	074	067	028	028	046	050	...	080·7	11
Noon	076	076	078	094	097	099	082	089	078	067	033	026	047	059	...	082·1	Noon
13h	076	073	080	079	087	098	086	096	073	068	047	031	047	067	...	080·0	13h
14	070	057	077	077	085	097	085	095	067	074	026	035	047	065	...	075·9	14
15	069	059	070	073	084	094	082	087	074	072	019	037	049	059	...	072·6	15
16	074	058	068	074	084	093	078	082	075	059	008	033	047	056	...	070·1	16
17	076	067	068	077	083	087	082	078	079	043	007	029	054	054	...	069·5	17
18	078	067	068	077	083	086	077	077	082	050	010	033	059	054	...	071·4	18
19	082	067	073	077	082	084	077	075	079	057	005	032	063	054	...	071·5	19
20	083	066	075	075	082	084	073	074	077	058	—003	030	057	052	...	070·2	20
21	077	069	075	074	082	084	067	073	082	055	—017	033	054	055	...	069·7	21
22	073	069	075	080	083	083	070	070	082	070	—003	034	050	056	...	070·5	22
23	075	069	076	081	083	083	072	068	085	056	008	033	050	046	...	071·4	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 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	115	115	112	114	112	116	113	113	109	109	110	109	107	103	100	095	Midnight
1h	115	115	113	114	112	116	114	113	110	109	109	109	105	104	100	095	1h
2	115	115	113	114	112	116	113	113	110	109	109	108	104	102	100	095	2
3	113	113	113	114	112	116	114	113	110	110	109	108	103	101	099	094	3
4	113	113	112	114	112	116	114	113	110	110	109	107	102	101	099	093	4
5	112	112	111	114	112	116	114	113	110	110	109	107	102	101	099	093	5
6	112	122	111	114	112	116	114	113	110	111	109	108	101	100	099	092	6
7	112	110	110	113	112	116	113	113	110	115	110	108	102	099	100	093	7
8	116	113	111	115	117	119	118	119	116	122	117	111	108	105	102	098	8
9	122	119	117	119	123	125	122	122	120	119	122	116	102	111	103	102	9
10	125	122	119	124	122	125	122	120	119	121	127	117	112	113	103	102	10
11	124	118	117	124	111	119	116	112	099	119	124	113	110	110	099	098	11
Noon	119	112	111	116	110	106	106	099	090	112	117	102	100	099	095	087	Noon
13h	113	105	108	112	102	100	097	089	089	097	115	091	091	092	091	076	13h
14	106	104	105	112	102	100	091	088	090	087	097	083	086	091	089	063	14
15	106	105	108	112	102	103	096	092	095	087	092	084	083	091	083	060	15
16	109	105	107	113	103	107	105	097	102	094	097	085	087	092	085	062	16
17	112	108	109	116	110	109	111	105	107	103	102	098	093	092	090	075	17
18	116	112	111	117	112	114	115	111	110	111	108	102	102	096	093	084	18
19	116	113	113	117	112	115	114	112	112	112	109	104	103	098	093	087	19
20	117	113	113	117	111	115	114	112	111	112	111	107	104	100	095	090	20
21	119	114	113	116	111	115	114	112	110	112	112	107	105	100	096	090	21
22	120	114	114	116	111	115	113	112	110	112	112	108	104	100	094	090	22
23	119	114	115	116	111	115	113	112	109	111	111	108	104	100	093	090	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	092	089	085	085	081	081	083	082	083	081	086	099	090	085	...	098·4	Midnight
1h	092	090	086	085	081	081	082	083	081	081	083	098	089	084	...	098·3	1h
2	093	090	085	086	081	081	082	081	081	080	082	095	086	083	...	097·8	2
3	092	090	085	086	081	082	083	081	081	080	082	093	086	082	...	097·5	3
4	092	090	086	085	081	082	083	082	081	080	081	089	084	082	...	097·2	4
5	091	090	086	085	082	082	085	081	082	080	079	090	085	082	...	097·2	5
6	091	089	087	085	083	083	085	080	083	081	080	085	085	083	...	097·1	6
7	092	089	087	085	084	085	087	086	087	086	080	090	088	087	...	098·3	7
8	097	091	091	089	090	087	090	091	092	088	078	093	090	088	...	102·1	8
9	101	097	094	090	092	090	093	091	095	085	093	098	091	089	...	105·4	9
10	101	099	097	090	091	090	093	092	092	081	099	099	095	089	...	106·7	10
11	098	093	088	086	085	080	082	090	084	071	100	097	090	072	...	101·0	11
Noon	086	080	078	076	080	069	072	080	070	061	090	092	077	057	...	091·6	Noon
13h	081	072	073	071	075	063	065	069	060	059	086	085	069	049	..	084·8	13h
14	074	064	072	070	071	068	066	073	061	061	078	087	070	055	...	082·1	14
15	063	064	072	072	071	073	072	076	064	067	081	090	075	064	...	083·4	15
16	071	068	075	076	075	078	077	079	069	072	085	090	080	071	...	087·2	16
17	071	073	079	079	079	083	083	081	075	078	089	089	082	073	...	091·8	17
18	086	079	081	081	082	084	085	083	081	084	091	089	081	077	...	095·9	18
19	087	082	081	083	082	083	086	084	083	084	091	089	081	079	...	096·8	19
20	089	083	081	083	083	083	085	085	082	085	092	090	083	080	...	097·5	20
21	089	083	081	082	083	082	085	085	083	084	096	090	083	081	...	097·8	21
22	091	082	081	082	081	082	084	085	082	088	103	090	083	081	...	098·0	22
23	091	084	080	082	181	081	083	084	083	084	097	090	085	083	...	097·6	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1923.

Month and Day 1923.	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.)
SEPT.	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1016·5	+ 2·4	23·5	17·2	6·3	20·0	— 0·4	3·2	14·3	— 0·8	70	— 3	16·2	13·9	0·5	10	5·4	4·6
2	1017·2	+ 3·2	23·1	17·1	6·0	19·8	— 0·6	3·6	13·3	— 1·8	66	— 7	15·1	13·8	0·4	5	4·3	7·0
3	1016·0	+ 2·0	23·8	17·1	6·7	19·7	— 0·7	2·7	14·8	— 0·4	74	+ 1	16·7	12·8	1·5	40	4·0	5·5
4	1015·2	+ 1·2	23·5	17·5	6·0	20·1	— 0·3	3.2	14·4	— 0·8	70	— 2	16·3	12·6	0·0	...	5·4	4·7
5	1015·2	+ 1·2	23·6	16·0	7·6	19·8	— 0·7	2·9	14·6	— 0·6	72	0	16·5	11·8	1·4	45	4·1	7·5
6	1014·5	+ 0·6	23·3	17·1	6·2	19·7	— 0·8	2·3	15·5	+ 0·3	77	+ 5	17·4	13·3	2·1	50	3·1	7·7
7	1013·3	— 0·6	24·3	17·9	6·4	20·4	— 0·1	2·6	15·8	+ 0·6	75	+ 3	17·8	14·0	0·7	15	5·1	4·4
8	1012·3	— 1·6	25·1	17·3	7·8	20·9	+ 0·3	3·0	15·5	+ 0·3	71	— 1	17·4	13·7	0·0	...	5·5	4·1
9	1011·8	— 2·1	25·8	17·0	8·8	20·8	+ 0·2	2·7	16·0	+ 0·8	74	+ 2	18·0	13·1	0·0	...	5·6	2·1
10	1011·8	— 2·0	25·4	17·9	7·5	20·8	+ 0·2	2·3	16·7	+ 1·4	77	+ 5	18.8	15·2	0·2	5	5·2	5·2
11	1013·1	— 0·7	25·3	18·1	7·2	20·8	+ 0·1	2·9	14·6	— 0·7	68	— 4	16·5	14·5	0·0	...	5·2	4·6
12	1014·3	+ 0·5	25·2	18·0	7·2	20·9	+ 0·2	3·2	15·2	— 0·1	70	— 2	17·1	13·9	2·0	20	5·8	5·2
13	1015·9	+ 2·2	23·8	17·6	6·2	20·3	— 0·4	3·4	14·2	— 1·1	69	— 3	16·1	15·0	5·6	65	7·1	8·2
14	1016·5	+ 2·8	23·6	17·3	6·3	19·9	— 0·9	3·3	13·9	— 1·4	68	— 4	15·7	14·0	0·0	...	5·0	8·4
15	1015·3	+ 1·6	23·2	17·2	6·0	19·6	— 1·3	2·5	15·1	— 0·3	76	+ 4	17·0	14·1	1·0	25	3·3	8·7
16	1013·5	— 0·1	23·3	16·6	6·7	19·6	— 1·3	2·0	16·0	+ 0·6	80	+ 8	18·0	13·5	1·5	35	3·3	5·5
17	1010·7	— 2·9	24·7	17·7	7·0	20·8	— 0·1	2·4	16·5	+ 1·1	77	+ 5	18·6	14·1	5·6	55	7·1	6·9
18	1008·0	— 5·5	25·9	17·1	8·8	21·1	+ 0·2	2·0	17·6	+ 2·2	86	+ 8	19·9	12·5	0·9	20	6·0	4·6
19	1009·6	— 3·9	26·5	17·9	8·6	20·8	— 0·2	2·6	16·2	+ 0·7	75	+ 4	18·2	8·5	0·0	...	5·0	4·5
20	1011·9	— 1·6	24·1	12·9	11·2	18·4	— 2·6	3·5	12·0	— 3·5	66	— 5	13·9	12·7	0·0	...	6·3	1·2
21	1012·8	— 0·6	25·0	12·3	12·7	18·5	— 2·6	3·1	12·8	— 2·7	70	— 1	14·7	7·4	0·0	...	5·7	2·7
22	1011·7	— 1·7	25·7	13·1	12·6	19·0	— 2·1	3·1	13·4	— 2·1	70	— 1	15·2	9·3	0·0	...	6·0	3·8
23	1011·4	— 1·9	25·3	14·0	11·3	19·5	— 1·7	2·7	14·6	— 1·0	74	+ 3	16·5	9·5	0·0	...	4·5	4·3
24	1011·7	— 1·6	25·3	12·3	13·0	19·1	— 2·1	3·3	13·1	— 2·5	67	— 4	14·9	7·8	0·0	...	5·8	0·9
25	1012·2	— 1·0	25·9	13·9	12·0	20·1	— 1·1	3·1	14·6	— 1·0	71	0	16·5	9·1	0·0	...	5·0	3·4
26	1012·2	— 1·0	26·5	19·0	7·5	22·2	+ 0·9	2·2	18·3	+ 2·6	78	+ 7	20·8	16·5	0·0	...	5·3	6·1
27	1012·4	— 0·7	26·6	18·9	7·7	22·1	+ 0·8	2·3	18·1	+ 2·4	78	+ 7	20·6	14·0	0·0	...	5·5	4·6
28	1012·1	— 1·0	26·2	16·4	9·8	20·9	— 0·5	2·2	17·0	+ 1·3	78	+ 7	19·2	12·1	0·0	...	4·2	4·4
29	1013·0	0·0	26·5	15·6	10·9	20·8	— 0·6	2·7	16·0	+ 0·2	74	+ 3	18·0	11·4	0·0	...	4·2	2·2
30	1013·6	+ 0·7	24·9	18·5	6·4	21·3	— 0·1	2·0	17·8	+ 2·0	81	+ 10	20·2	17·8	6·4	70	3·9	8·0
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1013·2	— 0·4	24·8	16·5	8·3	20·3	— 0·6	2·8	15·3	— 0·1	72·8	+ 1·1	17·3	12·7	29·8	460	5·1	5·0
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
	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 1923.

The abnormal features of this month were specially marked in variations of pressure and temperature. A negative wave in pressure was observed from the 6th to the 11th, a period relatively calm, with temperatnre a little above normal.

From the 15th to the 18th a well-marked depression occuurred, a period of abnormally high hmidity and frequent showers. Then followed a spell of cool and remarkably fine weather with light wind blowing more southerly than usual. This lasted to the 24th and the last week of this month was a period of warm and calm weather.

The Observatory registered 90% of normal rainfall.

The percentage variation in other districts are as follows :

Northern Districts	River System 1,	33 % above
Eastern Districts	,, ,, 2, 3, 4,	5 % below
South-Eastern Districts	,, ,, 5 & 6	16 % ,,
Western Districts	River System 11	18 % below
	,, ,, 12	10 % above
	,, ,, 13	No record

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1923

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
AUG.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	7·7	66	— 1·7	+ 3·7	65	4·0	4·1	+ 0·2	24·7	23·5	22·1	...	...	22·6	21·8	f. : c. : f.
2	3·4	29	— 0·9	+ 3·2	74	3·3	3·4	— 0·5	24·7	23·5	22·4	...	...	22·4	21·8	c. : o g.: c.: f
3	8·4	72	— 1·3	+ 3·2	68	3·4	3·5	— 0·4	24·7	23·4	22·5	...	...	22·3	21·7	c. d. : c.f.
4	9·4	81	— 1·7	+ 4·0	67	4·3	4·3	+ 0·4	24·6	23·4	22·5	...	...	21·9	21·6	f. : c : f.
5	5·2	45	— 0·4	+ 4·0	84	4·0	4·1	+ 0·2	24·6	23·5	22·5	...	...	21·8	21·6	c. : c.f. : c. d. : o.
6	3·1	27	— 0·3	+ 3·3	85	3·3	3·5	— 0·3	24·7	23·5	22·4	...	...	21·9	21·2	c.f . : c.d. : o.
7	10·1	86	— 0·4	+ 3·3	83	3·3	3·4	— 0·4	24·6	23·5	22·5	...	...	22·1	22·2	c.f. d. : f. b.
8	8·3	71	— 0·6	+ 3·1	79	3·1	3·3	— 0·5	24·6	23·5	22·4	...	...	22·6	22·6	f. : c.f : f.
9	11·0	94	— 0·4	+ 2·6	82	2·7	2·8	— 1·0	24·6	23·6	22·5	...	...	22·8	23·0	f. :
10	8·4	72	— 0·6	+ 3·0	79	3·1	3·3	— 0·5	24·6	23·4	22·6	...	...	23·1	23·3	o.r: c. : f.
11	6·9	59	— 1·0	+ 3·0	72	3·2	3·3	— 0·5	24·6	23·6	22·6	...	...	23·3	23·3	f. : c. : . f.
12	10·0	84	— 1·9	+ 4·6	68	4·9	5·0	+ 1·2	24·6	23·4	22·8	...	...	23·0	22·9	f. : c .
13	8·9	75	— 1·9	+ 5·1	70	5·4	5·5	+ 1·7	24·6	23·4	22·8	...	...	22·7	22·3	o.r. : o.f. : c.
14	5·1	43	— 0·5	+ 4·2	83	4·1	4·3	+ 0·5	24·6	23·5	22·8	...	...	22·6	22·1	o.
15	2·1	18	— 0·3	+ 3·9	86	3·9	4·1	+ 0·3	24·6	23·5	22·7	...	...	22·2	21·7	c. : o.r. : o.
16	7·4	63	+ 0·2	+ 3·3	94	3·3	3·4	— 0·4	24·6	23·4	22·7	...	...	22·3	22·1	c. : f.
17	6·9	58	+ 1·4	+ 2·2	207	1·5	2·6	— 1·2	24·6	23·4	22·7	...	...	22·7	22·7	o. : c .f. : c
18	10·2	85	+ 0·5	— 0·7	103	2·2	2·7	— 1·1	24·6	23·4	22·8	...	...	23·2	23·4	f. c.f. c. : c .f .
19	4·7	39	— 0·8	— 0·6	323	1·0	2·3	— 1·5	24·5	23·6	22·8	...	...	23·7	23·8	c .f. : o. g. . f.
20	9·5	75	— 1·4	+ 2·2	57	2·6	2·8	— 1·0	24·6	23·5	22·8	...	...	23·2	22·7	b. f. b.
21	9·7	81	— 0·8	+ 1·2	56	1·4	2·4	— 1·4	24·5	23·5	22·9	...	...	22·7	22·3	b. f. b.
22	8·9	74	— 1·3	+ 1·3	45	1·8	2·5	— 1·3	24·6	23·6	22·9	...	...	22·8	22·6	b. f. : b.
23	5·1	42	— 0·5	+ 1·9	75	1·9	2·3	— 1·5	24·6	23·5	22·9	...	...	22·9	22·6	f. : c. . f.
24	11·1	92	— 1·4	+ 1·2	41	1·9	2·6	— 1·1	24·6	23·5	22·9	...	...	22·8	22·6	b. f. b.
25	7·9	66	— 1·0	+ 2·4	67	2·6	2·6	— 1·1	24·4	23·6	22·9	...	...	22·9	22·8	c.: f.
26	9·4	78	— 0·3	+ 2·8	84	2·8	3·0	— 0·7	24·5	23·5	23·0	...	...	23·7	23·9	c. : c.f . :c
27	10·2	85	+ 0·6	+ 2·6	103	2·7	2·7	— 1·0	24·6	23·5	23·0	...	...	24·3	24·5	c.: f. b.
28	5·7	47	— 0·6	+ 0·9	56	1·0	1·8	— 1·9	24·4	23·6	23·1	...	...	24·1	24·1	b. f. : c. : f.
29	8·1	66	— 0·7	+ 1·7	68	1·8	2·1	— 1·6	24·4	23·5	23·2	...	...	23·7	23·2	b f. : c.f. . f.
30	6·0	49	— 1·7	+ 4·1	67	4·4	4·4	+ 0·7	24·4	23·6	23·3	..	...	23·7	23·6	c. p. : o .
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Mean	7·63	64·2	—0·73	+2·69	74·8	2·78	3·27	—0·52	24·58	23·50	22·73	...	...	22·87	22·67	...
Average	8·08	67·7	—1·04	+3·07	71·3	32·5	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 1923.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1018·9 m.b.s.	at	9h	on 2nd	1006·6 m.b.s.	at	14h & 15h	on 18th
Temperature of the Air	26·°6C	at	14·15h	on 27th	12·°3C	at	3·20h	on 21st
Daily range of temperature of the Air...	12·7°C		...	on 21st	5·°5C		...	on 26th
Temperature of the Dew Point	20·°0C	at	9h	on 30th	10·°2C	at	4h	on 21st
Daily range of temperature of the Dew Point	7·2°C		...	on 19th	2·°3C	at	...	on 8th
Relative humidity...	94·4%	at	5h	on 19th	46·5%	at	11h	on 20th
Wind Velocity	8·2 m.p.s.	at	15h	on 13th	0·6 m.p.s.		3h	on 19th, 18h on 28th
Rainfall	5·6 mm.	ending	7h	on 13th	..		...	...
Temperature of the soil at 3 ins. ...	26·3	at	15h	on 27th	20·0	at	9h	on 21st
,, ,, at 6 ins. ...	25·4	at	18h	on 27th	21·2	at	9h	on 6th
Duration of sunshine	11·1h		...	on 24th	2·1h		...	on 15th
Amount of Evaporation	7·1 mm.		...	on 13th, 17th	3·1mm.		...	on 6th
Vapour Tension	20·8 mbs		...	on 26th	13·9mbs		...	on 20th
Minimum on Grass	7·4°C		...	on 21st	...		...	...

Number of Days Overcast 6, Clear 5, of Rain 14, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 22·°44C, Average 22·°91C, Mean Night Temperature of Air 18·07°C, Average, 18·63°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.)

SEPTEMBER 1923.

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	0169	0175	0171	0161	0161	0155	0147	0137	0126	0123	0131	0145	0157	0176	0164	0147	Midnight
1h	0165	0174	0165	0156	0156	0154	0145	0132	0121	0120	0129	0145	0155	0174	0161	0145	1h
2	0161	0172	0160	0151	0154	0150	0137	0139	0108	0115	0126	0139	0152	0172	0159	0143	2
3	0159	0170	0159	0149	0152	0144	0132	0125	0115	0110	0124	0135	0151	0167	0152	0140	3
4	0156	0171	0156	0146	0150	0141	0132	0119	0113	0111	0122	0134	0150	0166	0151	0139	4
5	0160	0173	0158	0146	0153	0144	0132	0122	0115	0112	0123	0133	0150	0166	0151	0139	5
6	0162	0180	0163	0147	0157	0147	0136	0126	0121	0106	0127	0127	0152	0169	0153	0142	6
7	0168	0187	0168	0155	0163	0152	0139	0132	0127	0123	0133	0133	0157	0173	0159	0145	7
8	0173	0188	0173	0157	0163	0157	0142	0136	0132	0127	0136	0147	0163	0174	0164	0148	8
9	0176	0189	0176	0165	0163	0161	0146	0138	0133	0128	0141	0152	0168	0176	0166	0154	9
10	0173	0184	0173	0163	0163	0162	0142	0137	0132	0126	0145	0154	0167	0174	0162	0143	10
11	0168	0176	0166	0159	0158	0155	0137	0132	0127	0120	0139	0149	0164	0166	0157	0138	11
Noon	0162	0169	0159	0148	0148	0148	0129	0117	0117	0112	0139	0143	0158	0163	0153	0137	Noon
13h	0159	0163	0153	0146	0145	0138	0125	0113	0109	0106	0124	0138	0154	0155	0149	0129	13h
14	0153	0157	0147	0140	0140	0133	0116	0105	0103	0103	0119	0130	0049	0152	0144	0124	14
15	0153	0156	0146	0138	0139	0128	0115	0103	0103	0104	0116	0128	0049	0153	0140	0119	15
16	0154	0156	0147	0137	0137	0129	0116	0104	0097	0105	0118	0129	0149	0149	0142	0121	16
17	0158	0160	0149	0144	0137	0133	0119	0108	0108	0107	0121	0135	0153	0149	0144	0118	17
18	0161	0163	0152	0146	0137	0134	0124	0113	0109	0112	0124	0144	0154	0155	0146	0122	18
19	0169	0167	0157	0150	0144	0137	0132	0117	0115	0122	0136	0148	0163	0162	0148	0126	19
20	0176	0173	0164	0157	0150	0143	0133	0123	0121	0128	0142	0157	0172	0164	0150	0133	20
21	0177	0176	0166	0163	0154	0148	0138	0129	0123	0132	0147	0162	0175	0168	0152	0136	21
22	0176	0175	0165	0162	0158	0151	0140	0130	0125	0133	0142	0161	0175	0170	0150	0133	22
23	0177	0175	0163	0161	0157	0150	0139	0129	0126	0132	0142	0161	0177	0168	0150	0127	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	0127	0098	0085	0115	0127	0131	0122	0122	0129	0127	0124	0131	0128	0147	...	1013·9	Midnight
1h	0126	0093	0084	0109	0124	0117	0115	0117	0126	0124	0115	0128	0127	0145	...	1013·5	1h
2	0124	0087	0082	0106	0121	0118	0112	0110	0123	0130	0121	0121	0124	0144	...	1013·2	2
3	0123	0082	0082	0103	0118	0117	0103	0105	0118	0116	0124	0115	0122	0136	...	1012·8	3
4	0121	0079	0082	0105	0117	0115	0104	0102	0115	0114	0123	0115	0117	0128	...	1012·6	4
5	0120	0082	0083	0115	0121	0118	0105	0105	0116	0113	0121	0115	0119	0130	...	1012·8	5
6	0119	0084	0087	0119	0126	0120	0108	0114	0124	0115	0130	0119	0127	0134	...	1013·1	6
7	0121	0084	0090	0128	0134	0128	0114	0118	0129	0118	0126	0124	0129	0139	...	1013·7	7
8	0124	0084	0095	0130	0138	0132	0122	0125	0131	0121	0132	0125	0132	0147	...	1014·1	8
9	0126	0087	0099	0136	0140	0131	0125	0128	0130	0129	0137	0128	0136	0148	...	1014·4	9
10	0119	0083	0101	0134	0139	0129	0124	0127	0129	0129	0133	0129	0135	0149	...	1014·2	10
11	0111	0076	0099	0129	0136	0123	0119	0124	0123	0126	0129	0125	0130	0146	...	1013·7	11
Noon	0099	0073	0095	0122	0125	0116	0111	0116	0115	0120	0125	0120	0129	0134	...	1013·0	Noon
13h	0094	0069	0096	0113	0139	0108	0106	0105	0109	0118	0118	0114	0125	0127	...	1012·5	13h
14	0089	0066	0097	0109	0117	0098	0103	0106	0107	0113	112	0110	0124	0123	...	1012·0	14
15	0087	0066	0096	0106	0117	0094	0100	0107	010,	0109	0107	0107	0119	0121	...	1011·8	15
16	0085	0069	0098	0107	0116	0100	0102	0108	0109	0113	0107	0110	0117	0122	...	1011·8	16
17	0084	0070	0097	0113	0116	0107	0104	0110	0118	0117	0113	0113	0124	0124	...	1012·2	17
18	0087	0073	0096	0114	0123	0109	0109	0114	0120	0132	0116	0106	0130	0131	...	1012·5	18
19	0089	0079	0101	0119	0129	0113	0114	0122	0124	0127	0122	0124	0137	0135	...	1013·1	19
20	0099	0084	0106	0126	0130	0113	0124	0128	0128	0132	0129	0128	0140	0142	...	1013·6	20
21	0105	0086	0109	0134	0135	0128	0127	0132	0134	0137	0134	0136	0147	0145	...	1014·1	21
22	0104	0086	0114	0132	0137	0129	0127	0134	0134	0135	0134	0135	0147	0145	...	1014·1	22
23	0103	0089	0115	0130	0135	0128	0125	0133	0132	0132	0133	0133	0148	0133	...	1014·0	23

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

Hour \ Day.	SEPTEMBER 1923.																															
	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	5	3	2	8	8	1	1	3	5	1	10	10	8	10	6	6	0	0	1	2	1	0	1	3	7	3	0	4	...	3·9
1h	2	9	5	3	4	8	7	2	1	4	7	2	10	10	8	8	8	7	1	0	1	2	1	0	2	4	5	3	0	6	...	4·3
2	3	9	7	3	7	6	7	2	1	6	6	2	10	9	7	8	10	7	2	0	1	3	1	0	4	6	8	2	0	9	...	4·9
3	3	9	9	3	10	3	6	3	1	10	3	1	10	8	6	7	10	4	3	0	1	3	1	0	7	9	9	2	0	9	...	5·0
4	3	9	10	3	8	7	6	4	1	8	3	2	7	8	7	5	9	3	2	1	2	2	2	1	7	9	7	2	1	9	...	4·9
5	3	9	10	4	8	7	5	5	2	6	4	3	7	7	7	5	9	6	2	2	3	2	2	2	6	8	6	3	1	8	...	5·1
6	2	9	9	4	4	5	5	7	4	8	5	2	8	7	9	5	8	7	4	2	2	1	4	1	3	9	4	4	2	9	...	5·1
7	5	9	8	4	4	6	5	6	4	7	6	3	7	9	9	8	9	5	5	1	2	1	4	2	3	7	4	4	2	10		5·3
8	6	10	8	5	4	7	5	4	5	8	8	2	8	9	10	9	6	6	7	1	2	1	5	3	5	7	5	3	2	9	...	5·6
9	6	10	8	4	4	8	8	3	3	9	6	2	4	10	8	6	5	6	9	1	2	2	6	3	2	7	5	3	3	9	...	5·4
10	6	10	8	6	4	8	7	4	1	7	6	6	6	7	9	4	5	6	9	1	1	3	6	3	3	9	6	3	4	9	...	5·6
11	6	10	7	7	6	7	6	6	1	7	7	7	6	5	9	3	5	5	10	2	3	4	7	2	6	7	6	3	3	9	...	5·7
Noon	7	8	6	7	9	6	3	3	2	6	5	6	7	8	9	3	4	7	9	3	1	4	8	1	3	7	6	8	3	8	...	5·6
13h	6	8	5	9	10	7	3	3	3	4	6	7	9	9	10	5	5	7	7	2	3	5	8	1	3	6	6	8	2	7	...	5·8
14	5	7	5	8	10	7	3	3	2	7	7	7	9	9	10	7	5	6	7	2	3	6	8	1	4	6	6	9	4	6	...	6·0
15	4	7	3	7	9	10	4	7	5	6	6	6	9	9	10	5	7	6	7	2	5	6	9	1	3	5	4	9	7	6	...	6·1
16	4	6	3	8	10	9	3	7	4	4	5	7	9	8	10	4	6	4	8	2	7	7	9	0	3	4	3	9	6	6	...	5·8
17	4	4	3	9	9	9	3	8	3	3	4	8	9	8	10	4	8	2	8	2	6	8	8	0	4	3	2	9	5	7	...	5·7
18	4	2	2	2	9	10	2	8	2	2	3	9	9	9	10	3	5	1	4	1	5	9	8	0	3	3	2	9	2	7	...	4·8
19	9	2	2	5	10	10	2	5	1	3	2	10	9	8	8	4	8	2	2	1	4	7	2	0	2	2	2	6	1	8	...	4·6
20	8	3	1	6	10	9	3	3	1	3	1	8	9	9	9	5	9	3	1	0	3	7	1	0	1	2	3	2	1	10	...	4·4
21	5	2	2	2	10	10	3	2	0	1	2	8	9	9	7	4	9	3	0	1	2	4	1	0	1	4	1	1	1	9	...	3·8
22	3	4	2	1	9	9	1	2	0	1	2	8	8	9	9	4	5	1	0	1	2	2	1	0	2	9	1	1	2	9	...	3·6
23	5	6	3	1	9	9	1	1	2	2	1	9	8	8	10	6	5	0	0	1	2	1	0	0	3	10	2	0	1	8	...	3·8

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

Hour* Ending \ Day.	SEPTEMBER 1923.																															
	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	35	0	0	0	0	0	20	8	29	2	2	38	10	1	0	6	0	22	4	4	32	35	0	32	20	30	18	36	38	2	...	7·0
8	18	0	0	38	37	13	57	60	59	8	18	60	59	30	0	12	0	60	25	60	60	60	52	60	38	60	55	60	60	6	...	18·8
9	5	0	35	60	60	19	55	60	60	10	45	60	58	30	17	52	30	60	15	60	60	60	50	60	60	54	58	60	60	0	...	2·19
10	38	0	17	60	58	6	17	60	60	37	33	60	57	20	30	60	60	60	10	60	60	60	40	57	55	50	60	60	50	18	...	21·9
11	55	15	57	55	52	19	60	35	60	60	3	60	58	42	27	50	60	60	15	60	60	60	40	58	60	30	60	55	48	10	...	23·1
Noon	48	27	60	55	48	40	60	40	60	60	59	60	58	30	10	45	60	52	52	60	60	60	45	60	60	45	60	52	60	25	...	25·2
13h	40	8	60	58	20	32	60	60	60	60	60	60	52	15	8	26	60	50	50	60	60	60	28	60	58	50	60	7	30	30	...	22·3
14	60	18	60	57	8	2	60	60	60	60	28	55	52	13	7	40	58	36	47	60	52	44	8	57	50	60	60	8	6	50	...	20·6
15	48	35	60	57	19	43	60	60	60	60	32	59	30	21	10	50	40	55	38	59	12	36	12	60	20	60	60	0	22	58	...	20·6
16	60	42	60	55	10	6	60	45	59	60	54	58	45	50	3	38	12	60	8	58	60	52	10	60	16	52	60	2	18	60	...	20·5
17	57	40	60	54	0	4	60	12	60	59	58	30	40	45	16	54	36	60	14	22	60	6	2	60	20	60	52	0	56	60	...	19·3
18	0	17	35	17	0	0	35	0	32	30	22	0	17	10	0	12	0	36	1	4	8	0	20	42	18	12	8	0	38	42	...	7·6
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 228·8 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 1923.

Day. / Hour.	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	18·7	2·3	18·3	2·2	17·9	1·1	18·1	1·2	18·1	2·5	19·0	2·5	18·4	1·2	17·9	1·3	Midnight
1h	18·3	2·4	18·0	2·2	17·2	1·3	18·1	1·2	17·2	2·6	19.1	2·8	18·9	1·7	17·7	1·2	1
2	17·9	2·0	17·9	3·1	18·0	1·5	17·7	1·4	17·2	2·2	18.7	2·0	18·0	1·5	18·1	1·3	2
3	18·0	2·0	18·2	3·4	17·9	1·4	17·7	1·6	17·6	1·6	18.5	2·5	17·8	1·2	17·4	0·9	3
4	17·9	2·1	18·8	4·3	18·0	1·2	17·9	1·7	17·7	1·6	17·1	1·3	18·2	1·1	18·4	1·3	4
5	17·7	2·0	18·8	4·3	17·9	1·5	18·2	1·9	17·5	1·6	18.7	2·0	18·2	0·9	18·1	1·1	5
6	17·8	1·8	18·9	3·9	17·2	0·7	18·0	1·9	17 3	1·9	18·5	2·3	18·0	1·0	17·7	1·1	6
7	18·3	1·6	18·9	3·7	17·8	0·9	18·0	2·0	16·2	1·9	18·1	1·4	18·6	0·8	18·3	1·2	7
8	19·9	2·5	19·7	3·6	18·9	2·0	20·0	3·0	20.8	3·8	19·2	2·3	20·7	1·9	22·1	3·0	8
9	22·5	4·5	20·7	4·6	20·1	2·1	21·7	4·2	22·3	5·7	19·7	1·9	21·4	2·9	23·2	4·4	9
10	22·8	4·7	20·7	3·7	20·0	2·4	22·5	4·7	23·3	6·2	20·2	1·7	21·8	3·5	23·9	5·2	10
11	23·1	5·2	22·9	5·8	22·2	4·1	22·6	4·5	23·4	5·7	21·5	3·3	23·3	4·8	24·3	5·1	11
Noon	23·5	5·7	22·7	5·7	23·0	4·9	23·2	4·5	22·9	4·8	22·3	3·0	23·5	4·8	24·7	5·9	Noon
13h	23·2	6·0	22·9	5·6	23·5	5·5	22·9	4·9	22·5	4·3	22·9	4·2	23·7	4·9	24·7	5·8	13h
14	22·9	5·6	23·0	5·8	23·7	6·5	22·8	5·0	21·3	2·8	22·2	4·0	23·9	5·0	24·6	5·9	14
15	23·2	5·7	21·9	4·4	23·5	6·2	22 8	4·9	20·9	2·8	22·5	4·2	23·7	5·0	23·7	5·1	15
16	22·5	5·3	21·8	4·0	23·0	5·9	22·3	4·5	20·0	1·9	20·7	3·8	23·1	4·8	23·0	4·4	16
17	21·0	3·8	21·2	4·1	22·0	4·7	21·8	3·9	19·9	1·8	19·8	2·5	22·1	3·9	22·2	4·0	17
18	19·7	3·0	20.0	2·9	21·0	3·8	20·8	3·7	20·3	2·2	19·8	2·1	21·0	3·0	21·4	3·3	18
19	19·0	1·9	18·8	2·0	19·5	2·6	19·7	2·8	20·1	3·1	19·1	1·2	20·1	2·1	21·2	3·2	19
20	18·1	1·3	18·7	2·2	18·7	2·0	19.7	2·7	20·1	2·4	19·0	1·1	19·4	1·8	20·0	2·1	20
21	18·6	1·7	18·0	1·8	17·7	1·9	19·0	3·2	19·0	1·5	19·2	1·2	18·9	1·8	19·9	2·0	21
22	18·4	1·9	17·9	1·8	17·1	1·4	17·9	2·6	19·0	1·1	18·6	1·0	18·5	1·6	19·3	1·8	22
23	18·5	2·2	17·1	1·1	17·8	1·0	18·7	3·4	19·0	2·3	18·0	1·0	18·2	1·6	18·8	1·6	23

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

SEPTEMBER 1923

Hour. \ Day.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	18·1	0·9	18·8	0·9	18·1	1·2	16·6	1·8	13·8	1·6	14·7	1·4	15·2	1.1	16·0	1·4	Midnight
1h	18·2	1·1	18·5	1·1	17·8	1·0	15·7	1·4	13·5	1·2	14·5	1·3	14·8	1·3	15·1	1·2	1h
2	17·9	1·1	18·7	0·8	17·9	1·2	14·8	1·0	13·0	1·2	14·1	1·2	14·6	1·0	14·4	1·2	2
3	18·2	1·0	19·0	0·8	18·3	0·7	13·9	1·0	12·6	1·0	13·9	1·3	14·3	1·1	14·0	1·2	3
4	17·8	0·8	17·8	0·9	19·2	0·9	13·6	1·3	12·8	1·3	13·7	1·2	14·1	1·3	14·2	1·2	4
5	18·1	1·0	17·1	0·7	18·7	0·5	13·3	1·4	13·1	1·2	13·3	1·0	14·4	1.2	13·8	1·6	5
6	17·8	0·9	17·9	0·8	18·8	0·9	12·9	1·2	13·3	1·4	13·3	1·1	15·2	0·8	13·7	1·6	6
7	18·9	0·9	17·9	0·7	19·3	1·0	13·9	1·1	15·6	1.7	14·3	1·0	16·8	0·7	13·9	1·2	7
8	20·6	1·3	20·7	0·9	21·8	2·6	20·5	3·9	20·6	4·7	20·2	2·7	22·3	3·2	19·1	2·1	8
9	22·5	3·0	22·2	2·0	22·9	3.3	22·3	6·2	22·2	5·1	22·2	4·6	23·0	4·3	22·2	5·0	9
10	23·5	4·5	23·8	3·0	23·6	2·9	23·2	6·7	23·3	6·1	23·3	5·6	23·6	4·6	23·3	5·7	10
11	23·9	4·1	24·9	4·0	23·7	3·5	23·7	7·0	23·6	6·1	22·9	5·1	24·2	4·9	23·8	6·1	11
Noon	24·2	5·5	25·0	4·2	25·5	4·0	23·6	6·4	24·1	5·9	23·3	5·1	24·9	5·2	24·8	7·0	Noon
13h	24·2	5·2	25·1	3·9	26·2	4·1	23·7	6·4	24·3	6·0	25·1	6·6	24·8	5·0	25·1	6·9	13h
14	24·2	5·0	24·9	3·8	25·8	4·6	23·9	6·7	23·7	5·5	24·8	6·0	24·1	4·6	25·0	5·8	14
15	23·5	4·3	25·0	3·8	25·3	4.0	23·7	6·2	23·5	4·6	24·7	5·0	24·0	4·4	24·8	5·4	15
16	23·0	3·8	23·9	3·7	23·3	4·5	22·9	5·6	23·1	4·5	23·8	4·6	23·2	4·1	24·1	5·0	16
17	22·8	3·7	23·3	3·0	22·2	4·0	21·2	4·4	22·7	4·3	22·9	3·8	22·5	3·8	23·7	4·7	17
18	21·5	2·0	22·0	2·0	20·8	3.7	19·8	3·8	21·5	3·8	21·3	4·0	21·3	3·1	22·3	4·3	18
19	20·2	2·1	21·5	1·6	19·7	3·1	17·7	2·4	19·2	2·5	20·1	3·2	20·0	2·4	20·1	3·5	19
20	19·7	1·6	21·2	1·4	18·5	3·5	16·7	2·2	17·8	2·2	18·8	2·4	18·6	2·1	18·2	2·6	20
21	19·9	1·3	20·8	1·7	18·1	2·4	15·8	1·7	16·4	1·5	18·0	2·1	17·8	1·9	17·6	2·8	21
22	19·5	1·3	18·8	1·1	17·5	2·3	15·1	1·6	15·7	1·4	16·7	1·7	17·2	1·5	15·7	1·7	22
23	19·3	0·7	18·0	1·1	16·9	2·0	14·5	1·4	15·1	1·1	16·1	1·8	16·7	1·8	15.2	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.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	14·3	1·1	19·1	0·9	21·2	1·0	19·2	0·5	16·8	0·8	18·5	1·2	...	...	17·9	1·5	Midnight
1h	14.2	1·3	19·1	0·9	20·3	0·6	18·5	0·8	16·2	1·0	19·2	1·0	...	...	17·6	1·5	1h
2	14·1	1·4	19·1	0·8	20·7	0·7	17·6	0·8	16·1	1·0	19·9	0·9	...	...	17·5	1·3	2
3	15·0	1·4	19·7	0·7	20·5	0·6	17·2	0·8	15·9	0·9	19·9	0·9	...	...	17·3	1·3	3
4	16·2	1·4	19·5	0·7	20·4	0·6	17·3	0·8	15·6	1·1	19·8	0·8	..	...	17·3	1·3	4
5	16·3	1·7	19·7	0·8	20·1	0·7	17·0	0·8	16·1	1·0	19·9	0·7	...	...	17·3	1·4	5
6	14·9	1·7	19·5	1·1	20·1	0·8	16·9	0·8	16·1	1·0	20·0	0·8	...	...	17·2	1·4	6
7	14·5	1·9	21·3	1·3	20·2	0·5	19·5	1·3	19·1	1·0	20·2	0·6	...	...	17·9	1·3	7
8	20·7	3·7	22·3	1·5	22·5	2·0	22·9	2.4	22·7	2·4	20·1	0·4	...	...	20·7	2·5	8
9	23·1	5·1	23·8	3·1	23·5	3·0	24·3	4·0	24·4	4·2	21·1	0·6	...	...	22·2	3·8	9
10	23·8	5·3	24·2	3·5	24·8	3·9	25·5	5·3	24·3	4·0	22·6	2·6	...	...	22·9	4·3	10
11	24·7	6·0	24·7	3·6	25·5	4·7	26·2	5·5	25·8	5·2	23·7	3·5	...	...	23·7	4·9	11
Noon	25·3	6·3	25·1	4·2	25·7	5·0	25·0	4·7	26·3	6·5	23·6	3·9	...	...	24·1	5·3	Noon
13h	25·5	6·3	25·9	4·7	25·3	4·8	24·9	5·1	24·9	5·6	24·2	4·6	...	...	24·2	5·3	13h
14	25·0	5·7	26·0	4·9	25·7	5·3	24·3	4·3	24·5	3·7	24·1	4·6	...	..	23·9	5·0	14
15	24·5	5·2	25·4	4·4	25·3	4·6	24·5	3·8	24·6	4·9	23·9	4·5	...	...	23·7	4·7	15
16	23·9	4·7	25·1	4·4	24·5	4·4	22·6	2·1	24·8	5·0	22·3	3·3	...	...	22·9	4·2	16
17	22·8	3·8	23·5	3·0	23·2	3·3	22·5	1·6	23·7	4·8	22·3	3·6	...	...	22·1	3·6	17
18	21·3	2·8	22·2	2·2	22·3	2·3	22·2	1·5	22·0	3·1	21·6	2·8	...	...	21·0	2·9	18
19	20·3	2·2	21·6	1·7	21·1	1·5	21·6	1·1	20·9	2·2	21·3	2·3	...	...	20·0	2·3	19
20	20·0	1·9	21·1	1·1	20·2	1·2	19·8	1·3	20·1	1·9	20·9	1·7	...	...	19·3	2·0	20
21	19·9	1·7	21·2	1·1	19·7	1·3	18·7	1·4	19·7	1·7	20·5	0·9	..	...	18·9	1·7	21
22	19·8	1·2	21·2	1·0	19·0	0·8	18·1	1·1	19·1	1·3	20·2	0·9	...	...	18·4	1·5	22
23	19·4	1·0	21·4	0·9	19·2	0·5	17·6	1·4	19·1	1·3	20·1	0·9	...	...	18·1	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.)

SEPTEMBER 1973.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	885	937	886	936	887	932	882	918	895	926	900	944	887	932	893	915	Midnight
1h	890	924	889	929	890	924	885	923	893	916	894	930	900	927	892	920	1h
2	888	919	888	919	885	924	887	919	895	924	887	932	896	920	886	921	2
3	882	918	892	919	889	928	881	929	894	915	891	913	892	918	888	919	3
4	881	919	895	926	889	927	888	918	894	913	886	922	906	913	890	915	4
5	881	928	889	926	887	933	880	930	892	919	912	930	906	915	890	915	5
6	890	915	889	927	900	922	879	931	891	913	900	927	900	918	891	913	6
7	892	908	885	923	892	937	884	940	888	918	907	936	895	912	887	920	7
8	881	928	887	932	893	935	868	947	885	937	886	934	889	927	900	935	8
9	882	945	891	943	883	941	873	966	973	965	900	939	881	947	900	939	9
10	889	955	900	959	890	947	871	969	987	962	917	942	900	942	900	948	10
11	888	959	917	942	879	951	890	948	900	959	900	943	910	949	900	954	11
Noon	890	947	912	957	883	943	886	967	900	971	927	927	900	950	900	955	Noon
13h	889	955	890	948	991	943	875	959	913	962	900	932	892	940	900	953	13h
14	876	958	900	955	881	946	889	954	900	962	887	963	900	951	900	951	14
15	875	961	881	946	891	942	875	960	900	954	900	946	891	943	890	947	15
16	871	969	884	939	882	943	888	958	890	949	915	938	900	960	900	951	16
17	883	942	883	941	881	946	880	948	892	941	881	947	900	942	900	943	17
18	882	945	889	927	881	929	883	943	900	945	886	934	900	954	893	932	18
19	876	936	887	919	887	920	889	929	900	946	885	924	887	934	890	923	19
20	890	925	887	913	893	909	887	934	900	940	892	919	887	933	890	925	20
21	878	932	885	915	888	919	890	925	907	934	892	918	889	928	892	919	21
22	879	932	887	913	893	909	888	918	913	933	889	929	892	920	891	921	22
23	878	933	900	919	885	924	890	915	900	940	890	925	892	918	893	915	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	893	916	894	913	879	921	883	926	879	952	882	927	895	924	905	925	Midnight
1h	894	913	893	917	893	916	886	921	882	944	893	935	889	929	890	923	1h
2	893	916	894	913	889	911	886	921	882	945	900	928	881	919	893	932	2
3	893	916	890	924	891	909	885	923	900	951	886	935	887	932	886	935	3
4	893	917	893	916	891	909	889	916	893	936	893	915	885	915	888	918	4
5	893	916	890	925	889	911	879	921	879	950	900	924	888	919	886	921	5
6	894	915	892	918	890	915	875	925	888	931	907	916	888	931	891	921	6
7	894	915	893	916	892	918	889	927	875	961	903	914	888	930	892	918	7
8	887	932	885	938	889	928	880	949	882	945	910	950	900	945	920	949	8
9	900	945	889	929	900	955	886	968	874	962	911	955	900	948	908	940	9
10	900	939	892	939	892	941	889	956	872	967	900	964	889	956	919	947	10
11	900	950	900	951	900	944	888	958	886	968	900	958	886	972	919	947	11
Noon	900	928	900	956	890	949	886	970	885	974	888	959	910	947	928	942	Noon
13h	900	944	909	945	900	965	875	961	886	968	890	951	922	953	912	930	13h
14	900	941	913	962	869	946	873	966	888	961	888	960	900	964	911	952	14
15	900	944	911	952	877	955	875	961	869	976	890	949	900	966	910	948	15
16	908	941	910	950	877	955	873	966	873	966	888	960	910	948	900	938	16
17	900	936	900	948	890	950	877	955	876	957	888	960	918	943	900	940	17
18	900	925	894	929	900	939	872	967	878	952	886	934	884	940	900	930	18
19	891	921	892	919	890	915	883	941	883	943	891	943	900	940	900	923	19
20	892	919	882	918	893	909	881	947	882	945	891	943	907	932	900	929	20
21	891	922	887	913	889	916	875	959	869	946	892	938	906	927	900	925	21
22	893	915	887	913	887	919	879	950	879	921	893	933	910	925	900	922	22
23	894	913	882	918	891	922	883	941	885	924	891	943	887	933	900	929	23

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

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

SEPTEMBER 1923.

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	900	914	904	910	900	887	878	909	889	917	885	915	890	910	882	918	Midnight
1h	890	923	903	913	900	882	883	907	889	916	887	913	891	909	883	917	1h
2	890	924	897	916	900	891	878	909	890	915	880	920	888	912	886	914	2
3	892	908	906	908	900	894	877	910	890	915	886	914	891	909	889	911	3
4	884	916	900	912	900	890	878	909	890	915	880	920	888	912	879	921	4
5	889	916	894	915	900	882	877	910	890	914	886	914	888	912	882	918	5
6	889	917	896	910	911	884	873	911	891	913	887	913	890	910	879	921	6
7	892	911	897	915	879	909	881	908	891	913	885	915	889	911	892	908	7
8	887	920	936	924	883	907	878	922	889	916	880	920	883	925	879	921	8
9	905	926	946	891	900	889	888	931	900	925	888	931	889	928	893	932	9
10	916	939	955	900	896	890	893	936	912	931	892	937	904	921	892	938	10
11	915	937	963	887	906	894	888	930	906	928	893	933	906	930	886	934	11
Noon	915	938	952	879	900	872	883	941	905	925	893	933	912	930	894	930	Noon
13h	917	943	932	868	911	873	900	943	913	932	900	931	916	924	882	944	13h
14	924	936	931	869	921	868	892	937	900	939	892	920	910	925	877	865	14
15	921	932	914	865	900	871	891	942	863	863	866	866	911	927	878	867	15
16	925	925	893	865	861	916	893	934	883	874	888	870	906	930	886	866	16
17	929	929	905	878	869	821	895	926	893	884	891	887	900	932	897	887	17
18	908	919	905	875	873	927	887	932	895	889	888	888	892	920	888	919	18
19	905	912	900	879	878	922	894	914	890	910	891	913	890	915	891	912	19
20	908	910	900	881	885	915	892	918	887	913	888	919	888	918	888	912	20
21	906	915	900	891	882	927	889	917	880	920	887	919	888	913	885	915	21
22	906	915	900	892	883	917	889	917	885	915	887	913	882	918	888	912	22
23	902	909	900	889	886	914	890	915	885	915	884	916	887	913	889	911	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	889	917	888	919	900	917	895	911	896	906	887	932	...	...	890	921	Midnight
1h	888	918	890	914	900	913	896	910	893	909	887	932	...	...	891	919	1h
2	890	915	889	917	904	918	893	916	893	909	887	932	...	...	890	919	2
3	891	913	890	915	904	918	896	909	892	910	888	930	...	...	891	918	3
4	890	915	889	916	896	918	894	914	892	911	887	932	...	...	890	916	4
5	891	912	889	917	900	923	895	912	893	910	890	924	...	...	890	919	5
6	889	916	891	913	900	917	894	914	892	910	886	934	...	...	891	917	6
7	892	911	889	917	900	926	896	910	893	910	883	941		...	890	920	7
8	890	915	887	933	911	928	891	921	886	921	891	943	...	...	890	931	8
9	883	942	900	940	912	930	900	918	892	920	882	945	...		894	938	9
10	893	935	900	939	917	941	909	921	894	928	873	966	...	...	898	945	10
11	900	936	908	940	917	942	915	923	909	943	875	960	...	...	902	942	11
Noon	900	936	916	939	917	941	913	934	911	927	870	973	...	...	902	941	Noon
13h	894	929	913	933	924	936	855	900	882	918	876	957	...	...	899	938	13h
14	886	935	917	943	917	942	889	873	877	895	873	965	...	...	896	937	14
15	900	920	910	951	918	943	900	881	889	928	875	960	..	...	892	932	15
16	889	928	900	942	911	929	894	885	893	935	876	957	...	...	892	933	16
17	893	936	900	941	906	929	893	905	887	933	882	943	...	...	893	929	17
18	888	930	900	945	906	927	895	903	889	928	883	941	...	...	891	929	18
19	890	924	891	922	900	911	894	904	893	915	880	930	...	...	890	922	19
20	877	923	887	920	900	916	889	908	895	912	888	919	...	...	891	921	20
21	886	922	889	928	900	919	885	915	896	910	892	920	...	...	890	922	21
22	888	918	897	915	900	918	887	919	896	909	889	926	...	...	891	920	22
23	889	917	898	911	893	916	891	912	896	909	889	927	...	...	891	919	23

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

SEPTEMBER 1923.

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	6	4·0	6	3·9	6	3·4	4	2·5	7	2·7	8	4·4	6	3·4	6	1·7	6	1·8	6	1·4	4	3·0	5	3·1	6	5·6	5	3·2	7	2·5	9	2·6
1h	6	2·6	6	3·1	6	2·6	5	2·7	6	1·8	7	3·1	8	2·7	6	2·2	6	1·4	6	1·9	6	1·8	5	2·5	6	4·8	7	3·6	6	3·1	6	2·5
2	5	2·2	5	2·2	5	2·8	5	2·3	7	2·5	6	3·4	7	2·0	5	2·5	6	1·8	6	1·4	4	1·5	5	2·5	6	4·9	9	2·9	4	2·7	7	3·3
3	4	2·5	6	2·1	6	3·0	5	3·5	6	1·6	5	1·6	6	2·0	5	2·2	6	1·8	6	2·6	4	1·3	5	2·7	8	5·1	6	3·8	6	3·4	6	3·8
4	4	2·7	7	2·7	6	2·9	5	2·1	6	1·4	5	2·6	10	1·4	5	1·8	6	1·9	6	1·8	4	1·3	5	1·9	7	3·7	6	1·7	4	2·1	5	2·1
5	5	3·4	6	2·8	6	3·5	5	3·6	6	2·1	10	3·2	10	1·6	5	1·8	6	1·8	6	2·7	4	1·5	4	3·0	6	5·4	8	2·4	5	2·2	5	2·5
6	5	1·8	6	2·9	8	2·2	5	3·7	5	1·6	8	2·7	8	1·8	5	1·6	6	1·6	6	2·0	5	1·8	4	3·5	6	3·3	10	1·8	6	3·3	6	2·3
7	4	1·1	5	2·7	7	3·8	6	4·3	5	2·1	9	3·7	6	1·3	5	2·4	6	1·6	6	1·8	6	2·0	6	2·9	6	6·6	9	1·4	6	3·2	6	2·0
8	5	3·4	6	3·4	7	3·6	5	5·7	6	4·0	6	3·7	6	2·9	8	3·5	6	3·4	6	4·1	6	3·0	6	5·3	6	4·9	9	5·1	8	4·5	10	5·3
9	6	4·9	7	4·4	6	4·4	6	7·1	6	7·0	8	3·9	6	5·1	8	3·9	8	4·5	6	3·1	8	5·5	7	6·9	6	6·7	9	5·6	8	4·8	9	4·1
10	7	5·6	8	5·9	7	4·8	6	7·5	7	6·3	10	4·5	8	4·2	8	4·8	8	3·9	7	4·0	7	4·2	7	5·7	6	7·2	8	6·4	7	5·7	10	5·1
11	7	6·0	10	4·5	6	5·5	7	4·9	8	5·9	8	4·3	9	5·0	8	5·4	8	5·0	8	5·1	8	4·4	7	5·9	7	6·9	8	5·8	7	7·3	10	5·1
Noon	7	4·8	9	5·8	6	4·6	7	6·8	8	7·1	12	3·8	8	5·0	8	5·5	8	2·8	8	5·6	7	5·0	7	7·1	7	7·5	7	6·0	9	4·8	11	5·1
13h	7	5·6	7	4·9	7	4·4	6	6·4	9	6·3	8	3·2	7	4·1	8	5·3	8	4·4	9	4·6	8	6·5	6	6·6	7	6·9	7	5·2	10	5·8	10	3·2
14	6	6.3	8	5·5	6	5·0	7	5·5	8	6·2	7	6·4	8	5·1	8	5·1	8	4·1	9	6·3	5	5·6	6	7·1	7	6·2	7	6·1	8	6·4	9	5·3
15	6	6·6	6	5·0	7	4·3	6	6·5	8	5·4	8	4·6	7	4·4	7	4·8	8	4·4	9	5·3	6	6·0	6	6·6	6	8·2	7	5·0	8	6·6	9	4·9
16	6	7·5	6	4·2	6	4·7	7	5·9	7	5·0	10	4·1	8	6·0	8	5·1	9	4·2	9	5·1	6	6·0	6	7·1	6	7·1	7	6·1	9	4·9	8	3·8
17	6	4·5	6	4·4	6	5·0	6	5·2	7	4·2	6	5·1	8	4·2	8	4·3	8	3·6	8	4·8	7	5·1	6	6·0	6	6·2	7	6·1	10	4·7	8	4·0
18	6	4·9	6	2·9	5	3·5	6	4·6	8	4·5	6	3·7	8	5·4	7	3·3	8	2·5	7	3·0	8	3·9	6	7·2	6	5·7	6	3·7	6	4·3	8	3·0
19	5	4·4	5	2·3	5	2·4	6	3·1	8	4·6	5	2·8	6	3·6	6	2·5	6	2·3	6	2·1	5	1·8	6	4·4	6	4·6	7	4·4	8	4·0	8	2·3
20	6	2·7	4	1·8	5	1·1	6	3·6	8	4·0	6	2·1	6	3·5	6	2·7	6	2·1	4	2·5	5	1·1	6	5·1	6	4·9	7	4·4	9	3·3	8	2·9
21	5	3·9	4	2·2	5	2·2	6	2·7	9	3·5	6	2·0	6	3·0	6	2·1	6	2·4	4	1·8	5	1·9	6	6·4	5	5·6	7	3·9	9	2·8	8	2·5
22	5	3·8	4	1·8	5	1·1	5	2·1	10	3·5	6	3·1	6	2·2	6	2·3	6	1·7	4	1·8	5	2·3	6	5·4	4	3·0	7	3·4	10	2·7	8	2·2
23	5	4·0	8	1·9	5	2·8	5	1·8	8	4·0	0	2·7	6	2·0	6	1·7	6	1·4	4	2·5	6	2·4	6	4·4	5	2·8	7	4·4	6	3·5	8	2·9

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	8	1·4	10	1·1	24	1·3	2	2·4	5	2·0	4	2·2	4	1·4	4	2·6	5	2·0	5	2·2	8	1·7	6	1·2	5	0·7	6	3·4	...	...	2·5
1h	6	2·5	9	1·3	24	1·8	2	1·9	5	1·9	4	1·8	4	1·3	4	2·4	5	2·1	5	1·7	8	1·3	6	1·1	5	1·1	6	3·4	...	...	2·3
2	6	2·6	7	1·6	24	0·9	2	2·4	5	1·8	4	2·9	4	1·7	4	2·0	5	1·8	5	2·0	9	1·8	6	1·8	5	1·1	6	3·4	...	...	2·3
3	4	1·2	11	1·0	24	0·6	2	2·5	5	1·8	4	2·0	4	1·3	4	1·5	5	1·6	5	1·8	9	1·8	6	1·0	5	1·3	6	3·2	...	...	2·2
4	4	2·3	8	1·2	24	1·0	2	2·4	5	1·8	4	2·8	4	1·7	4	3·0	5	1·8	5	1·9	7	1·8	6	1·5	5	1·4	6	3·4	...	...	2·1
5	5	1·9	6	1·6	24	1·8	2	2·5	5	1·7	4	2·0	4	1·7	4	2·5	5	1·5	5	2·0	8	2·3	6	1·3	5	1·2	6	2·6	...	...	2·3
6	5	2·0	6	1·1	d21	1·9	2	2·9	5	1·6	4	1·8	4	1·4	4	3·0	5	1·9	5	1·6	8	1·7	6	1·5	5	1·3	6	3·7	...	...	2·2
7	5	1·4	7	1·5	2	2·3	2	2·1	5	1·6	4	2·2	4	1·6	4	1·1	5	1·4	5	2·0	8	2·6	6	1·1	5	1·2	6	4·4	...	..	2·3
8	5	2·4	13	4·4	2	1·9	4	3·1	5	1·9	4	2·9	5	3·0	4	3·0	5	1·8	6	3·5	10	3·0	6	2·3	5	2·5	7	4·4	...	...	3·5
9	9	2·7	d17	4·7	24	1·1	6	3·3	8	2·5	6	3·3	6	3·0	7	3·3	6	4·5	8	4·0	10	3·2	8	1·8	6	2·2	6	4·9	..	...	4·2
10	10	4·2	16	5·5	r26	1.1	7	3·7	10	3·3	7	3·8	9	2·1	7	3·9	7	3·6	8	3·9	10	4·4	10	2·3	7	2·9	6	7·1	...	...	4·6
11	10	4·0	17	6·4	r20	0·8	6	3·2	9	2·9	7	3·4	9	3·1	6	3·7	8	3·6	9	4·1	10	4·5	11	2·7	9	4·4	6	6·5	...	...	4·7
Noon	10	4·1	18	5·6	24	2·8	6	4·4	9	2·6	7	3·4	10	3·2	7	3·1	8	3·6	10	4·2	10	4·4	10	3·6	10	2·9	6	7·9	...	...	4·8
13h	10	4·6	20	4·6	22	2·9	8	4·3	10	3·4	8	3·1	11	2·9	6	4·8	7	3·0	10	3·5	11	4·3	r 0	4·5	4	2·6	6	6·2	...	...	4·6
14	11	4·3	20	4·4	21	3·8	7	3·8	8	3·9	6	2·2	10	2·7	r27	4·2	6	3·8	10	4·6	10	4·5	26	2·9	†31	2·4	6	7·0	...	...	4·9
15	11	3·8	22	3·8	24	2·9	7	4·3	r28	5·3	r28	4·8	10	2·9	27	4·0	8	2·0	9	5·2	10	4·7	24	1·9	6	3·0	6	6·5	...	...	4·8
16	12	3·6	25	3·6	d 2	4·2	7	3·5	27	3·1	26	3·2	9	3·1	26	3·7	6	3·0	8	4·2	10	3·1	26	1·6	7	3·6	6	6·2	...	...	4·5
17	12	4·1	23	2·3	3	3·7	7	2·7	26	1·8	27	1·6	8	3·2	25	1·3	7	3·7	8	4·1	9	3·0	d 3	0·9	6	3·5	6	4·7	...	...	3·9
18	10	2·1	23	2·6	4	3·9	6	3·4	26	1·2	28	1·7	6	2·2	d 5	2·2	6	3·2	8	4·5	9	2·8	3	0·6	6	3·0	6	4·4	...	...	3·5
19	10	1·3	24	2·1	4	3·1	6	1·5	d 4	1·4	d 5	1·6	5	1·8	5	1·5	6	2·6	6	2·4	8	1·1	3	0·7	6	1·7	5	3·6	...	...	2·6
20	11	1·3	24	1·9	4	2·2	6	2·0	4	1·8	5	2·2	5	2·1	4	1·7	4	3·3	5	2·4	8	1·6	3	1·4	6	1·3	5	2·2	...	...	2·5
21	10	1·6	24	0·9	5	3·3	5	2·0	4	2·8	5	2·3	4	1·9	4	2·1	5	2·6	6	3·0	8	1·9	4	2·2	6	1·1	6	2·2	...	...	2·6
22	10	1·6	24	0·8	4	2·4	5	2·0	4	2·1	4	1·9	4	2·5	4	1·7	5	2·1	7	1·5	8	1·8	5	2·3	6	1·0	6	2·8	...	...	2·3
23	9	0·9	24	1·1	4	2·0	5	1·8	4	2·2	4	2·3	4	1·5	4	1·6	5	2·0	7	1·1	6	1·8	5	1·5	6	1·0	6	2·9	...	...	2·3

d = direct. r = retrograde † one complete revolution direct.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for SEPTEMBER 1923.

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

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 SEPTEMBER 1923.

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	2.00	07·9	30·2	4
	3	Belmont	50	3.70	14·6	26·4	4
	4	Poudre d'Or	20	3.80	15·0	24·9	4
	5	Mon Loisir (R.) ...	300	2·08	52·8	48·5	15
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach*	300	3·12	32·3	...	7
	8	Labourdonnais ...	290	3·50	13·8	41·1	8
	9	Beau Séjour	300	2·15	54·6	59·9	11
	10	Mont Piton	860	1·38	35·0	44·7	8
	11	Mon Choix	700	1·55	39·4	50·5	9
	12	Antoinette	640	1·94	49·3	61·7	8
	13	California	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	3·13	79.5	69·1	11
	15	Mon Songe	620	...	...	...	...
	16	La Grande Rosalie ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	1·14	29·0	...	14
	19	The Observatory ...	179	...	...	...	...
	20	Solitude§	175	...	..	...	...
	21	St. André§	90	...	...	...	...
	22	Belle Vue Harel ...	350	1·94	49·3	...	10
	23	Mont Choisy*	10	1·29	32·8	...	6
	25	Esperance (Trébuchet)*	165	1·87	47·5	...	4
	28	Mon Rocher*	...	1·38	35·0	...	10
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	..	...	...	...
	47	Terre Rouge Station§ ...	137	...	..	...	...
	48	Mapou Station* ..	296	4·55	17·7	...	3
	49	Poudre d'Or Station* ...	172	4·95	19.5	...	5
	50	Rivière du Rempart* ...	134	4·20	16·6	...	3
2 & 3	1	Union Régnard ...	600	3·11	78·9	61·0	13
	2	Constance d'Arifat L.G.	100	1·29	32·7	38·4	10
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	2·98	75·7	...	16
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)* ...	...	1·83	46·5	...	3
	9	Belle Vue (Allendy)* ...	...	1.58	40·1	...	9
	10	St. Julien E(K. Reetoo)*	...	7·70	30·3	...	3
4	1	Sans Souci	900	4·60	116·9	133·9	16
	2	Etoile	400	3·15	80·0	89·9	5
	3	Beau Champ	20	2·23	56·6	35·8	4
	4	Belle Rive*	400	2·79	70·9	...	7
	5	Olivia	400	2·29	58·2	64·3	10
	6	Deep River*	350	2·32	58·9	...	9
	7	Belle Rose Estate* ...	...	2·84	72·1	...	10
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	5·15	130·8	...	26
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau	460	1·80	45·7	75·9	7
	3	Ferney	20	3·74	95·0	64·5	10
	4	Beau Vallon	60	5·80	22·8	48·5	5
	5	Union Vale	200	2.11	53·6	46·0	11
5 cont.	6	Mon Désert (Carié)§ ...	75	1·13	28·7	...	11
	7	Cluny§	1,000	...	...	...	...
	8	Union Park*	...	4·98	126·5	...	13
	9	Sauveterre Estate$ ...	...	1·50	38·1	...	9
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	5·47	138·9	...	18
	2	Tivoli	1,300	4·76	120·9	...	15
	3	La Flora*	1,050	5·05	128·3	...	11
	4	Britannia	780	3·09	78·5	100·8	15
	5	Savannah (Mill) ...	200	1·84	46·7	56·4	8
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	...
	9	St. Avold*	900	2·90	73·6	...	14
	10	Terracine§	100	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.	...	5·28	134·1	...	9
	15	Fontenelle	...	5·70	22·5	...	7
	16	Combo§	...	5·80	22·9	...	5
	17	St. Felix (Wilson)§ ...	...	2·10	53·3	...	8
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre*	40	2·17	55·1	48·5	7
	3	Beau Champ*	...	1·78	45·2	...	7
	4	Board*	...	1·78	43·9	...	6
	12	Tamarin Station* ...	155	...	...	...	...
	13	Médine Station* ...	284	...	...	...	...
	14	Albion Station* ...	72	...	...	...	...
10	...	No returns.	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	4·13	104·9	136·1	14
	3	Mare aux Vacoas ...	1,850	5·95	151·1	167·4	17
	4	La Marie Filter Bed ...	1,700	2·95	74·9	113·8	16
	5	Réunion	1,420	2·71	68·8	88·9	7
12	1	The Manse	850	1 05	26·7	30·7	16
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	4·96	126·7	120·4	17
	4	Alma	1,460	...	...	...	...
	5	Bagatelle	1,250	3·01	76·4	72·9	15
	6	Highlands§	1,300	4·61	117·1	...	14
	7	Trianon	950	2·56	65·0	43·4	11
	8	Salency§	923	...	...	...	..
	9	La Ferme§	350	1·00	25·4	...	13
	10	Bon Air §	1,050	1·88	47·7	...	15
	11	Val Ory	1,100	...	...	...	...
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	..
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	3·25	82·5	...	5
	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, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

OCTOBER 1923

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of OCTOBER 1923.

Month and Day. 1923.	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)	List of Earthquakes. Date.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	E.-W. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	Remarks.
OCT.	° ′			′													
1	10°52·5	·22952	·29979	9·7	27	28	...	...	...	...	...	...	...	...	...	...	Driving clock out of order.
2	51·7	955	979	7·5	11	20											
3	51·2	957	979	8·8	14	25											
4	51·6	961	980	4·5	16	16											
5	51·4	962	980	4·0	24	17											
6	52·0	968	981	5·5	38	16											
7	51·7	959	981	5·4	23	18											
8	51·2	949	981	7·5	30	25											
9	51·4	956	982	6·4	21	21											
10	51·3	962	984	6·8	30	30											
11	51·2	946	986	6·2	40	21											
12	51.2	958	988	6·2	31	18											
13	51·4	962	991	6·9	22	13											
14	50·7	973	989	7·8	27	12											
15	51·4	955	998	10·0	93	13											
16	51·7	943	·30007	7·0	94	20											
17	51·4	931	010	6·4	47	14											
18	52·1	954	006	7·3	35	22											
19	51·4	973	004	7·2	50	23											
20	51·3	973	003	6·7	38	18											
21	51·7	973	002	7·5	21	19											
22	51·8	969	·29999	7·8	41	30											
23	52·4	963	·30000	4·6	19	17											
24	52·2	965	·29996	6·1	21	22											
25	52·1	980	993	6·7	40	25											
26	52·5	973	992	7·4	27	18											
27	52·8	975	991	7·9	51	22											
28	52·7	963	991	8·6	17	26											
29	52·8	963	991	7·7	14	28											
30	53·0	970	990	7·2	19	22											
31	52·8	979	984	8·9	29	30											
Mean	10·51·83	·22962	·29991	7·04	32·6	21·0	...	...	...	...	...	...	...	...	...	...	...

T=0·37771 : Mean Dip.=θ=52°.33′·70 (X=·22551 : Y=−·04327 : Z=·29991).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of OCTOBER 1923.

Declination (West). Day and Hour.	Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Observed Value.	Dip (South). A. M. Observations. Day and Hour.	Observed Value.	Resulting Vertical Force. C. G. S. Units.	P. M. Observations. Day and Hour.	Observed Value.	Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
OCT. 1 .9·51	10·56·67	OCT. 5·11·20	·22983	OCT. 1·10·08	52.33·25	·29977	OCT. ...	...	...
.13·18	10·47·57	·13·19	·22972	10·10·00	52·32·59	·29973	10.13.31	52.29.18	·29926
10.10·48	10·54·05	12·10·41	·22999	12.10.22	52.30.90	·29966	...	...	...
.13·21	10·49·77	·13·40	·22984	19.09.57	52.33.53	·30028	19.13.13	52.32.25	·30003
15. 9·40	10·56.45	19.13·28	·22987	24·09·53	52·33·11	·30001	24·13·42	52·32·10	·29970
.13·25	10·45.51	24. 9.32	·22988						
26.13·33	10·49.95	13·23	·22968						
29.11·55	10·52·09								
13 41	10.47·88								

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

OCTOBER 1923.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	53·6	52·1	52·0	51·9	51·7	52·5	52·3	52·1	51·8	51·7	51·3	51·7	51·9	51·1	51·7	51·0	Midnight
1h	53·4	52·1	51·8	51·8	51·7	52·3	52·5	52·3	52·3	52·1	51·7	51·3	51·5	50·9	52·1	52·2	1h
2	53·2	51·9	51·8	51·7	51·5	52·2	52·5	52·3	52·7	52·3	51·9	51·5	51·0	51·0	50·5	53·1	2
3	53·0	51·8	52·1	51·7	51·7	52·2	52·5	52·2	52·8	52·1	51·7	51·3	51·5	51·2	51·8	53·0	3
4	53·0	51·9	52·1	51·5	51·5	52·1	52·5	52·1	52·5	52·0	51·8	51·5	51·5	51·3	52·0	52·0	4
5	52·7	52·1	51·8	51·3	51·3	52·3	52·4	52·0	52·1	51·7	51·8	51·8	52·0	51·7	52·1	51·8	5
6	52·1	51·7	51·3	50·7	51·0	51·8	52·5	52·0	51·7	51·2	51·8	52·0	52·5	51·8	52·5	53·0	6
7	54·0	52·0	51·8	51·[illegible]	51·5	52·5	53·2	52·3	52·2	50·7	52·7	52·5	53·8	52·4	53·8	52·5	7
8	55·3	53·3	53·3	52·8	52·3	53·8	54·1	53·2	52·0	52·3	53·5	52·7	54·2	52·5	53·3	50·7	8
9	57·0	54·7	54·7	54·3	52·8	54·5	54·0	53·8	53·7	53·5	52·5	53·8	54·5	53·5	55·2	50·7	9
10	56·7	55·5	55·2	54·5	53·0	54·3	53·5	53·2	53·5	54·0	51·7	53·3	54·1	53·4	55·5	50·5	10
11	55·3	54·8	54·5	53·3	53·0	53·3	52·7	52·3	52·1	53·7	53·7	52·0	53·0	52·5	53·8	51·5	11
Noon	53·3	52·5	51·5	52·0	52·3	52·0	51·8	50·7	51·3	53·0	51·5	50·7	51·0	51·2	51·8	51·0	Noon
13h	48·7	49·5	48·0	51·0	51·5	50·7	49·8	48·0	48·7	50·0	49·0	48·2	48·7	47·0	46·5	48·8	13h
14	47·5	48·0	46·5	50·5	49·3	49·0	48·7	46·3	47·3	47·2	47·3	47·6	47·7	45·8	45·5	47·5	14
15	47·3	48·4	46·4	50·3	49·0	49·3	49·2	46·5	48·0	47·7	47·7	48·2	47·6	45·7	46·3	47·8	15
16	48·5	49·0	47·0	49·8	49·5	50·0	49·5	48·3	49·2	48·3	48·3	49·4	48·3	47·3	47·1	49·3	16
17	50·3	50·0	48·7	50·1	50·0	50·8	50·2	49·5	50·7	50·0	49·5	50·6	50·0	49·2	48·0	51·7	17
18	52·4	51·2	50·7	50·5	50·2	51·2	51·0	51·2	51·3	51·0	51·0	51·7	51·7	50·3	50·7	52·2	18
19	52·7	51·8	51·3	51·0	51·2	51·7	51·3	51·8	51·7	51·3	52·2	51·9	51·8	51·3	51·3	53·5	19
20	52·7	51·8	51·7	51·3	51·5	51·8	51·2	51·8	51·3	51·3	51·8	51·8	51·7	51·5	52·0	53·7	20
21	52·8	51·9	51·8	51·5	51·7	52·2	51·2	51·8	51·5	51·5	51·5	51·5	51·5	51·3	53·7	52·5	21
22	52·8	52·0	51·9	51·7	52·2	53·0	51·4	51·7	51·3	52·0	51·5	51·3	51·3	51·2	52·7	54·5	22
23	52·7	52·0	52·0	51·8	52·5	52·3	51·7	52·0	51·0	50·7	51·3	51·1	51·2	50·8	53·8	53·8	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. \ Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	54·6	53·0	52·0	52·0	51·8	52·1	52·5	52·7	52·5	53·0	53·0	53·2	53·0	52·8	53·0	52·3	Midnight
1h	53·5	52·3	51·8	52·1	52·2	52·5	52·7	52·7	52·6	53·7	53·2	52·7	53·3	53·2	53·1	52·4	1h
2	54·5	53·5	52·2	52·0	51·7	52·5	53·0	52·8	52·7	53·7	53·4	53·3	53·2	53·5	53·0	52·5	2
3	54·2	51·5	51·8	51·8	51·8	52·3	52·7	52·7	52·8	54·0	52·8	53·6	53·2	53·7	52·9	52·4	3
4	52·3	51·7	51·7	51·7	51·8	52·3	52·5	52·5	53·0	54·1	53·3	53·7	53·0	53·7	53·3	52·3	4
5	51·5	52·3	51·8	51·7	51·8	52·2	52·3	52·7	52·8	53·5	53·5	53·8	53·3	53·8	53·2	52·3	5
6	48·2	51·7	51·3	51·5	51·5	52·0	52·0	52·2	52·5	53·2	53·8	53·5	52·8	53·8	53·2	52·0	6
7	48·2	52·7	51·2	52·7	52·0	53·5	52·7	53·2	53·2	53·5	53·9	54·4	54·3	54·7	55·0	52·7	7
8	48·5	53·8	52·0	53·7	54·0	54·7	53·8	54·2	54·3	54·7	55·2	55·3	54·9	55·5	56·0	53·5	8
9	50·0	55·5	54·0	54·5	55·3	55·3	55·0	54·3	54·7	55·5	56·4	55·8	55·5	56·4	56·7	54·4	9
10	50·7	55·8	54·5	54·3	55·2	54·5	55·3	54·2	54·5	55·0	56·1	55·3	55·0	54·8	56·4	54·3	10
11	51·0	55·3	53·5	53·0	53·0	53·5	54·7	54·2	53·5	53·3	53·5	52·5	54·3	53·0	54·8	53·4	11
Noon	50·8	53·3	51·7	50·2	51·0	50·3	54·0	52·3	51·8	51·8	50·3	50·0	52·0	52·0	53·0	51·7	Noon
13h	50·3	50·0	48·7	48·0	49·0	47·7	51·8	49·3	48·5	49·9	48·7	47·2	48·5	49·8	49·0	49·0	13h
14	49·8	48·5	47·3	47·8	47·8	47·5	51·0	48·2	48·0	48·5	48·5	47·5	47·8	49·2	47·8	48·0	14
15	49·8	48·7	47·8	48·0	48·7	48·3	50·7	48·8	48·0	48·1	49·2	48·2	49·2	49·5	47·9	48·3	15
16	50·0	49·7	48·5	48·7	49·6	49·5	50·8	50·0	49·5	48·5	50·0	50·0	50·5	50·7	49·0	49·2	16
17	52·3	50·3	50·5	50·2	50·5	51·5	50·8	51·8	51·5	52·0	52·0	52·8	52·5	52·5	51·5	50·7	17
18	51·9	51·0	51·3	50·7	51·4	52·0	51·0	52·4	52·3	53·0	53·2	53·5	53·5	53·3	52·0	51·6	18
19	52·1	51·2	51·7	51·0	52·3	52·2	51·5	52·5	52·3	52·8	53·3	53·8	53·7	53·3	52·5	52·1	19
20	52·5	52·5	51·8	51·3	52·1	52·0	51·8	52·4	52·3	52·8	53·3	53·8	53·7	53·2	52·7	52·2	20
21	52·5	52·0	51·8	51·3	52·0	51·7	52·1	52·3	52·2	52·5	53·5	53·5	53·5	53·2	53·0	52·2	21
22	52·3	51·7	51·8	51·6	52·2	51·8	52·0	52·4	52·3	52·2	53·5	53·3	53·3	53·2	53·3	52·2	22
23	52·2	52·0	52·2	51·2	52·3	51·9	51·9	52·5	52·2	52·0	53·5	53·2	53·0	53·0	53·5	52·2	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*).

OCTOBER 1923.

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	051	057	057	061	052	057	056	060	054	060	049	056	060	077	062	Midnight
1h	047	052	058	059	061	058	056	057	058	056	060	054	052	063	073	047	1h
2	049	054	058	060	060	058	056	057	058	055	060	055	055	064	087	040	2
3	056	054	059	058	060	058	057	058	055	057	062	057	057	066	078	055	3
4	057	054	060	060	063	062	058	058	054	059	060	058	049	067	080	060	4
5	064	055	062	060	067	062	059	058	058	060	062	057	061	067	082	067	5
6	063	056	061	060	064	065	058	057	058	058	064	054	063	066	087	063	6
7	065	056	062	067	064	070	058	055	057	057	066	057	063	067	084	065	7
8	067	056	058	068	062	071	059	050	057	056	062	063	062	068	086	068	8
9	067	057	058	067	061	084	068	051	060	054	044	069	067	080	080	072	9
10	058	062	060	067	062	082	073	048	063	055	043	075	070	085	087	083	10
11	052	060	063	069	071	085	073	046	066	063	037	078	071	087	082	084	11
Noon	044	058	057	067	076	090	072	047	067	066	044	072	068	084	060	078	Noon
13h	040	057	054	067	074	086	067	047	063	073	049	061	068	080	038	073	13h
14	044	056	053	065	068	077	066	044	060	077	047	057	068	074	035	040	14
15	044	056	049	060	062	076	062	044	057	080	038	053	067	072	048	032	15
16	045	051	050	054	059	071	055	033	050	074	029	048	061	067	047	018	16
17	046	052	054	053	054	066	051	028	046	067	027	047	062	074	030	−005	17
18	048	055	055	056	055	064	052	032	047	070	033	050	063	075	017	−010	18
19	049	054	058	058	057	062	053	043	047	075	026	054	062	078	008	−003	19
20	047	054	058	059	057	059	050	044	048	064	030	054	060	077	007	004	20
21	050	054	057	058	055	057	050	052	047	057	034	053	058	073	030	025	21
22	053	054	057	057	055	057	052	053	046	050	037	053	057	080	−006	−003	22
23	052	056	058	058	052	056	053	055	052	057	043	048	059	077	040	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	020	041	057	065	072	067	062	066	064	074	064	058	062	062	066	058·5	Midnight
1h	035	050	093	062	071	071	062	067	064	073	068	067	063	064	065	061·2	1h
2	054	045	062	062	080	071	063	067	066	077	075	064	062	064	067	061·5	2
3	056	067	058	065	072	069	064	068	068	077	076	064	067	068	067	063·0	3
4	054	056	060	065	067	070	062	066	069	074	077	065	071	067	069	062·9	4
5	059	058	062	068	069	073	060	064	069	073	075	066	067	067	070	064·5	5
6	057	059	064	067	068	070	062	064	070	075	085	066	065	067	073	064·8	6
7	040	058	065	069	069	065	063	068	078	084	099	063	061	068	075	065·7	7
8	030	058	067	074	065	059	061	067	082	084	104	058	058	068	079	065·4	8
9	027	059	078	083	072	059	058	073	090	084	102	057	058	074	089	067·8	9
10	021	062	089	094	080	067	067	077	094	084	100	061	059	078	094	071·0	10
11	018	074	094	097	084	080	076	076	099	086	100	067	059	067	092	072·8	11
Noon	015	067	092	084	083	089	070	073	104	080	083	066	062	080	090	070·6	Noon
13h	019	043	091	093	086	094	067	068	102	077	072	062	069	081	092	067·8	13h
14	023	042	090	087	078	091	067	065	098	077	077	062	072	080	090	065·5	14
15	021	039	104	083	076	086	066	060	093	078	075	069	067	078	086	063·9	15
16	014	049	100	077	074	073	065	067	087	075	069	073	067	078	090	060·3	16
17	015	050	065	072	072	060	059	056	080	068	064	065	066	073	088	055·0	17
18	016	051	058	067	070	057	057	058	074	062	060	062	062	065	084	053·7	18
19	012	045	058	062	069	059	058	059	074	059	058	060	060	063	078	053·4	19
20	017	046	055	059	067	053	058	059	075	059	057	057	059	064	079	052·8	20
21	030	059	057	060	067	054	058	059	076	059	054	056	059	064	076	054·8	21
22	035	060	054	063	068	056	060	059	075	062	053	058	060	062	073	053·2	22
23	038	063	062	067	068	062	063	060	073	064	059	059	059	066	072	057·4	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*).

OCTOBER 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	085	081	081	081	081	082	082	082	082	084	086	091	092	092	095	101	Midnight
1h	083	081	081	081	081	082	082	082	081	084	086	090	091	092	097	105	1h
2	082	081	081	081	081	082	083	082	081	083	085	090	091	092	096	104	2
3	081	081	081	081	081	082	082	082	083	083	085	090	091	092	095	106	3
4	080	081	081	081	081	083	083	082	083	083	086	090	091	092	095	103	4
5	079	080	081	081	081	083	083	083	083	083	087	090	091	092	096	102	5
6	079	080	080	081	081	083	084	082	084	084	088	090	092	092	095	101	6
7	083	082	081	082	082	084	085	084	085	087	090	092	095	091	098	100	7
8	089	084	084	086	086	085	087	087	087	092	091	093	096	090	099	099	8
9	090	086	086	087	085	085	086	089	088	098	094	092	098	089	101	101	9
10	088	086	089	088	084	084	088	089	089	099	096	092	097	087	100	105	10
11	082	083	083	088	081	079	082	082	086	091	092	091	095	083	092	107	11
Noon	073	072	072	084	077	074	073	071	077	080	080	085	090	080	088	105	Noon
13h	064	066	068	079	073	071	070	067	072	071	075	078	087	082	089	103	13h
14	062	067	064	076	069	069	070	064	068	069	075	075	085	085	091	105	14
15	065	072	067	074	071	074	073	068	073	072	075	079	086	088	093	105	15
16	070	076	071	072	078	084	076	074	077	079	079	082	087	090	096	110	16
17	077	078	077	072	080	081	080	080	081	083	083	085	088	090	099	116	17
18	080	079	081	073	081	081	083	086	083	083	086	087	091	090	105	119	18
19	080	079	080	078	081	082	082	085	082	082	089	089	091	090	106	117	19
20	081	079	080	079	081	081	083	084	083	083	090	090	091	090	107	113	20
21	081	080	080	080	081	081	083	083	083	085	090	091	092	090	104	110	21
22	081	081	080	081	081	081	083	083	083	086	090	091	092	090	109	112	22
23	081	081	080	081	081	081	083	083	083	085	090	091	092	090	111	113	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	111	110	107	103	101	101	100	097	097	095	096	094	094	093	092	092·6	Midnight
1h	111	111	103	104	101	101	100	096	096	095	094	093	094	093	092	092·4	1h
2	109	111	108	104	101	100	100	096	095	094	094	093	093	092	092	092·2	2
3	108	109	107	105	101	101	100	095	094	094	093	093	092	093	092	092·0	3
4	105	110	107	105	102	101	100	096	095	094	093	092	092	093	092	092·0	4
5	104	110	107	106	102	102	100	097	095	095	093	093	092	093	092	092·1	5
6	101	109	106	106	103	103	101	097	096	095	095	094	093	095	092	092·3	6
7	103	111	108	107	106	106	104	100	099	097	095	097	098	097	093	094·3	7
8	104	113	111	107	110	109	108	101	102	099	099	101	100	101	092	096·5	8
9	107	115	115	108	111	108	110	102	102	096	100	101	101	101	090	097·5	9
10	111	112	113	108	108	104	108	102	101	091	098	097	100	096	085	096·6	10
11	115	103	106	100	100	091	101	101	091	085	090	089	097	092	078	091·5	11
Noon	115	094	099	093	093	084	097	093	080	082	081	089	089	089	075	085·0	Noon
13h	114	093	093	091	092	079	094	082	077	081	080	075	078	085	070	080·6	13h
14	111	095	092	090	093	082	093	080	080	081	078	077	073	079	063	079·4	14
15	112	102	092	095	097	089	095	083	086	085	081	079	078	073	063	082·1	15
16	113	107	094	101	102	096	097	091	092	089	085	083	084	075	073	086·5	16
17	115	106	100	106	103	102	098	096	095	093	090	091	089	081	079	090·1	17
18	112	106	103	106	103	103	099	098	095	094	092	091	091	085	082	091·9	18
19	111	106	104	105	103	102	099	099	096	094	092	092	092	088	083	092·2	19
20	111	109	104	105	103	101	099	099	095	094	094	093	093	089	085	092·6	20
21	111	106	105	105	103	101	099	099	095	095	095	094	094	090	087	092·7	21
22	108	104	105	104	103	101	099	099	095	095	095	095	093	091	089	092·9	22
23	109	105	107	104	103	101	099	099	095	096	095	093	093	091	090	093·1	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1923.

Month and Day 1923.	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.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1011·4	— 1·5	25·8	18·8	7·0	22·0	+ 0·5	1·9	18·7	+ 2·9	82	+ 11	21·4	15·8	0·4	8	5·5	5·1
2	1010·5	— 2·3	26·2	18·6	7·6	21·8	+ 0·3	2·1	18·1	+ 2·2	79	+ 8	20·6	14·5	0·0	...	6·2	4·1
3	1011·0	— 1·8	26·2	16·1	10·1	21·3	— 0·2	2·3	17·2	+ 1·3	77	+ 6	19·4	11·9	0·0	...	5·5	5·5
4	1013·1	+ 0·4	26·4	18·2	8·2	22·1	+ 0·5	2.7	17·4	+ 1·5	75	+ 5	19·7	14·0	0·0	...	6·0	4·8
5	1014·6	+ 2·0	25·5	18·0	7·5	21·1	— 0·5	1·8	17·9	+ 2·0	82	+ 12	20·3	13·9	2·3	25	4·4	6·3
6	1013·5	+ 1·0	24·2	19·3	4·9	21·5	— 0·2	1·9	18·1	+ 2·1	81	+ 11	20·6	16·8	0·8	10	4·4	7·5
7	1012·4	0·0	25·2	19·3	5·9	21·5	— 0·2	1·6	18·7	+ 2·7	84	+ 14	21·4	15·8	12·5	50	2·5	9·1
8	1012·0	— 0·3	27·1	19·0	8·1	22·2	+ 0·4	2·2	18·3	+ 2·2	79	+ 9	20·8	15·2	0·0	...	5·8	6·6
9	1013·2	+ 1·0	26·1	18·0	8·1	21·6	— 0·2	2·2	17·7	+ 1·6	79	+ 9	20·1	13·5	1·5	15	4·6	6·6
10	1013·8	+ 1·7	26·2	19·5	6·7	22·0	+ 0·1	2·2	18·1	+ 2·0	79	+ 9	20.6	16·6	0·0	...	3·0	8·1
11	1012·9	+ 0·9	26·3	18·2	8·1	21·9	0·0	2·5	17·5	+ 1·3	76	+ 6	19·8	14·9	0·0	...	4·4	4·7
12	1012·7	+ 0·7	25·5	17·6	7·9	21·6	— 0·3	2·3	17·5	+ 1·3	78	+ 8	19·8	14·2	4·0	25	3·8	7·2
13	1013·1	+ 1·2	24·9	19·0	5·9	20·9	— 1·1	2·2	17·0	+ 0·8	79	+ 9	19·2	15·8	1·5	20	5·7	6·9
14	1014·0	+ 2·2	24·1	17·1	7·0	20·3	— 1·7	3·4	14·2	— 2·1	68	— 2	16·1	13·7	0·0	...	6·5	4·4
15	1013·6	+ 1·8	24·9	17·2	7·7	20·8	— 1·3	3·8	14·0	— 2·3	65	— 5	15·8	12·2	0·6	10	7·8	4·2
16	1014·2	+ 2·5	25·4	18·9	6·5	20·9	— 1·2	3·6	14·5	— 1·8	67	— 3	16·4	11·2	0·0	...	6·5	5·7
17	1014·0	+ 2·4	25·0	13·5	11·5	19·6	— 2·6	3·3	13·6	— 2·8	68	— 2	15·4	9·6	0·0	...	6·0	6·4
18	1012·7	+ 1·2	26·1	15·6	10·5	20·4	— 1·8	3·5	14·1	— 2·3	67	— 3	15·9	10·3	0·0	...	5·5	5·8
19	1010·8	— 0.7	25·5	16·2	9·3	20·8	— 1·5	2·7	16·0	— 0·5	74	+ 5	18·0	13·6	0·0	...	5·5	6·1
20	1010·0	— 1·4	25·1	18·5	6·6	21·3	— 1·1	2·7	16·5	0·0	74	+ 5	18·6	13·9	0·0	...	4·6	6·5
21	1007·8	— 3·5	26·6	15·9	10·7	21·9	— 0·5	2·8	17·0	+ 0·5	74	+ 5	19·2	12·4	0·0	...	7·2	4·5
22	1005·7	— 5·5	29·2	18·5	10·7	22·7	+ 0·2	2·4	18·5	+ 1·9	78	+ 9	21·1	14·8	0·0	...	4·5	6·4
23	1008·6	— 2·6	28·8	21·5	7·3	24·3	+ 1·7	2·8	19·5	+ 2·9	75	+ 6	22·4	18·0	0·0	...	5·0	7·7
24	1012·0	+ 0·9	28·3	16·0	12·3	24·4	+ 1·8	2·3	20·4	+ 3·8	78	+ 9	23·7	17·8	0·0	...	6·5	6·9
25	1012·1	+ 1·1	27·9	20·4	7·5	23·9	+ 1·2	2·4	19·7	+ 3·0	77	+ 8	22·7	17·1	0·0	...	8·0	5·1
26	1009·2	— 1·8	27·2	19·2	8·0	22·8	+ 0·1	2·6	18·2	+ 1·5	75	+ 6	20·7	13·9	0·0	...	8·0	2·7
27	1009·3	— 1·6	27·6	18·0	9·6	22·6	— 0·2	3·8	15·9	— 0·9	66	— 3	17·9	13·5	0·0	...	7·0	3·3
28	1010·5	— 0·3	28·2	16·8	11·4	22·4	— 0·5	3·4	16·4	— 0·4	69	0	18·5	12·5	0·0	...	6·0	1·7
29	1010·1	— 0·7	27·3	19·8	7·5	22·8	— 0·1	3·3	17·0	+ 0·1	70	+ 1	19·2	14·4	0·0	...	6·5	5·0
30	1008·4	— 2·3	27·1	17·3	9·8	21·5	— 1·4	1·6	18·7	+ 1·8	84	+ 15	21·4	12·6	28·4	160	2·9	6·7
31	1009·3	— 1·3	23·7	20·2	3·5	21·5	— 1·5	3·1	16·0	— 0·9	71	+ 2	18·0	17·4	0·0	...	4·6	9·7
Mean	1011·5	— 0·2	26·3	18·1	8·2	21·8	— 0·4	2·6	17·2	+ 0·8	75·2	+ 5·5	19·5	14·3	52·0	323	5·5	5·8
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
	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 1923.

Pressure was very variable; it was generally above normal from the fifth to the seventeenth. From the 18th to the 23rd the passage of a marked depression was observed, followed by a succession of negative waves.

Air temperature was below normal from the 12th to the 21st; above normal from the 22nd to the 26th and again below normal for the end of the month.

Relative Humidity was generally above normal for the month, there was however a marked drop from the 14th to the eighteenth.

Wind Velocity was generally below normal except from the 13th to the 16th and the direction for this period more southerly than usual.

Rainfall at the observatory was above normal: but 55% of the total fall was registered on the 30th.

The percentage variation for the other districts was as follows:

Northern Districts	River System 1,	16 % above	Western Districts	River System 11	12% below
Eastern Districts	,, ,, 2, 3, 4,	15 % ,,		,, ,, 12	29% ,,
South-Eastern Districts	,, ,, 5 & 6	18 % below		,, ,, 13	No record

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1923

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
OCT.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	10·7	88	+ 0·3	+ 2·7	96	2·7	3·0	— 0·7	24·6	23·7	23·3	...	...	24·0	24·0	f
2	10.0	82	+ 0·9	+ 2·1	113	2·3	2·3	— 1·4	24·6	23·7	23·3	...	...	24·4	24·4	f : c. f: f.
3	8·5	69	+ 0·3	+ 2·3	97	2·3	2·5	— 1·2	24·6	23·7	23·5	...	...	24·3	24·1	f : c.
4	9·2	75	0·0	+ 3·1	90	3·1	3·2	— 0·5	24·6	23·7	23·5	...	...	24·4	24·3	f : c. f. : f.
5	6·3	52	0·0	+ 2·7	90	2·7	2·9	— 0·7	24·6	23·7	23·6	...	...	24·1	23·8	f. : o. : c : f.
6	4·1	34	— 0·1	+ 3·2	88	3·2	3·4	— 0·2	24·6	23·8	23·7	...	...	24·1	23·8	f : o. : c. : f.
7	1·1	9	+ 0·3	+ 2·0	99	2·0	2·3	— 1·3	24·5	23·7	23·7	...	...	23·9	23·8	c. o. r. o.
8	5·9	48	— 0·6	+ 0·9	56	2·1	2·0	— 1·6	24·4	23·9	23·7	...	...	24·7	24·8	o. : c . f. : f.
9	2·4	20	— 0·5	+ 2·2	77	2·2	2·4	— 1·2	24·4	23·8	23·7	...	...	24·4	24·2	f. : o.
10	2·6	21	— 0·6	+ 1·5	68	1·6	1·8	— 1·8	24·4	23·9	23·7	...	...	24·6	24·6	o.g. : c. : c f .
11	7·2	58	— 0·8	+ 1·0	51	1·3	2·1	— 1·5	24·4	23·9	23·8	...	...	24·4	24·3	f. : c. f. : f.
12	5·9	48	— 1·1	+ 0·6	29	1·2	2·2	— 1·4	24·4	23·9	23·8	...	...	24·2	23·9	c. : c.f. : c .
13	6·8	55	— 2·3	+ 4·6	63	5·1	5·1	+ 1·5	24·5	23·8	23·8	...	...	24·2	24·0	c. : o.g. : c : f.
14	10·4	83	— 1·9	+ 4·4	67	4·8	4·9	+ 1·3	24·5	23·9	23·8	...	...	23·7	23·2	f. : c.d. : f : c.
15	10·5	84	— 1·8	+ 4·2	67	4·6	4·7	+ 1·1	24·4	24·0	23·8	...	...	23·6	23·2	c : f.
16	9·0	72	— 1·5	+ 3·5	67	3·8	3·9	+ 0·3	24·5	24·0	23·8	...	...	23·8	23·6	c. : o. : c f. : f.
17	6·7	54	— 1·5	+ 2·5	59	2·9	3·0	+ 0·5	24·5	23·9	23·8	...	...	23·4	22·9	f. : c.
18	7·8	63	— 1·3	+ 2·5	62	2·8	2·9	— 0·6	24·1	24·0	23·6	...	...	23·4	23·2	f. : c. : c.f : c.
19	3·6	29	— 1·3	+ 2·6	63	2·9	3·0	— 0·5	24·4	23·9	23·6	...	...	23·7	23·6	o. d. : c.f . f.
20	4·6	37	— 0·2	+ 2·9	86	2·9	3·1	— 0·4	24·4	23·9	23·5	...	...	23·8	23·6	c. : f.
21	11·1	88	+ 0·5	+ 2·3	112	2·3	2·4	— 1·1	24·4	23·9	23·5	...	...	24·0	24·1	f. : c . f.
22	5·8	46	+ 0·8	+ 2·0	112	2·1	2·2	— 1·3	24·1	23·9	23·5	...	...	24·7	24·7	f. . c. : o.
23	6·2	49	— 0·3	+ 1·2	76	1·2	2·1	— 1·4	24·1	24·0	23·6	...	...	25·4	25·9	o. : c. : c. f: f.
24	9·1	73	0·0	+ 2·7	90	2·7	2·9	— 0·6	24·4	24·0	23·9	...	...	26·1	26·5	c. : f.
25	10·5	83	+ 0·7	+ 3·1	103	3·2	3·3	— 0·2	24·4	24·0	24·1	...	...	26·4	26·6	f . : c . : f.
26	11·7	92	+ 1·0	+ 2·5	112	2·7	2·8	— 0·7	24·5	24·0	24·2	...	...	26·1	25·9	f.
27	11·6	92	+ 0·7	+ 2·4	106	2·5	2·5	— 1·0	24·5	24·0	24·4	...	...	25·9	25·9	f. : c.f. : f .
28	8·3	66	— 1·5	+ 1·2	39	1·9	2·6	— 0·9	24·4	2·40	24·7	...	...	25·7	25·5	f.
29	6·7	53	— 0·4	+ 2·3	80	2·3	2·6	— 0·9	24·4	2·40	24·7	...	...	25·8	25·8	f. : d. c. : f.
30	5·1	40	— 0·7	+ 0·3	113	0·7	2·2	— 1·3	24·5	2·41	24·6	...	...	25·3	24·7	f . : o. r .
31	1·6	13	—3·9	+4·4	48	5·9	6·0	+ 2·5	24·4	24·1	24.6	...	...	24·5	23·8	o. o.g .
Mean	7·13	57·3	—0·54	+2·45	77·6	2·50	2·97	—0·59	24·44	23·90	23·83	...	...	24·55	24·41	...
Average	8·21	65·7	—0·60	+2·44	76·2	2·51	3·56	...	24·41	24·13	...	...	...	24·51	24·79	...
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 OCTOBER 1923.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1016·6 m.b.s.	at	9h	on 5th	1004·4 m.b.s.	at	17h	on 22nd
Temperature of the Air	28·°3C	at	13·55h	on 24th	13·5°C		...	on 17th
Daily range of temperature of the Air...	12·3°C		...	on 24th	3·°5C		...	on 31st
Temperature of the Dew Point	23·3°C	at	9h	on 30th	11·°7C	at	6h	on 18th
Daily range of temperature of the Dew Point	7·5°C		...	on 29th	1·°7C		...	on 1st
Relative humidity...	97·9%	at	7h	on 6th	47·6%	at	12h	on 18th
Wind Velocity	9·6 m.p.s.	at	15h	on 14th	0·6 m.p.s.		often	...
Rainfall	28·4 mm.	ending	20h	on 30th	...		...	...
Temperature of the soil at 3 ins. ...	28·3°C	at	15h	on 25th	21·1°C	at	6h	on 17th
,, ,, at 6 ins. ...	27·4°C	at	18h	on 5th	22·3°C	at	9h	on 17th
Duration of sunshine	11·7h		...	on 26th	1·1h		...	on 7th
Amount of Evaporation	7·8 mm.		...	on 15th	2·5mm.		...	on 7th
Vapour Tension	23·7 mbs		...	on 24th	15·4mbs		...	on 17th
Minimum on Grass	9·6°C		...	on 17th	...		...	...

Number of Days Overcast 6, Clear 2, of Rain 9, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 23·°92C, Average 24·60°C, Mean Night Temperature of Air 19·72°C. Average 19·77°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.)

OCTOBER 1923.

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	0134	0112	0112	0125	0144	0150	0139	0127	0131	0146	0145	0131	0134	0145	0148	0139	Midnight
1h	0130	0108	0110	0122	0141	0144	0134	0122	0126	0142	0141	0127	0127	0142	0144	0137	1h
2	0125	0104	0106	0116	0126	0139	0131	0116	0124	0136	0137	0125	0121	0136	0140	0132	2
3	0119	0100	0104	0116	0132	0135	0126	0111	0122	0130	0131	0121	0117	0134	0138	0132	3
4	0117	0097	0105	0119	0141	0127	0124	0111	0122	0129	0130	0120	0122	0135	0137	0133	4
5	0116	0102	0104	0123	0147	0138	0126	0103	0125	0132	0131	0122	0125	0135	0136	0133	5
6	0119	0105	0111	0127	0148	0136	0132	0117	0128	0136	0132	0127	0127	0135	0137	0141	6
7	0123	0112	0113	0122	0153	0143	0138	0124	0133	0142	0139	0132	0133	0131	0143	0147	7
8	0125	0114	0115	0134	0161	0148	0140	0129	0137	0146	0141	0137	0138	0143	0145	0149	8
9	0123	0113	0115	0137	0166	0147	0142	0130	0137	0148	0142	0136	0137	0147	0144	0151	9
10	0120	0109	0114	0135	0161	0147	0138	0128	0140	0147	0139	0133	0137	0147	0142	0150	10
11	0118	0108	0112	0140	0153	0142	0128	0121	0144	0147	0132	0141	0133	0144	0144	0147	11
Noon	0114	0103	0106	0136	0151	0135	0118	0115	0128	0141	0125	0127	0123	0141	0128	0141	Noon
13h	0103	0101	0102	0122	0142	0139	0111	0111	0121	0136	0117	0122	0123	0137	0136	0136	13h
14	0102	0095	0098	0118	0136	0122	0105	0105	0116	0127	0114	0117	0117	0132	0123	0130	14
15	0097	0093	0093	0117	0131	0114	0101	0105	0117	0125	0112	0113	0121	0131	0121	0127	15
16	0096	0094	0092	0121	0133	0117	0102	0106	0121	0125	0112	0113	0123	0127	0121	0132	16
17	0099	0094	0102	0123	0132	0118	0106	0107	0123	0127	0113	0116	0127	0131	0122	0137	17
18	0102	0102	0106	0132	0138	0123	0103	0114	0131	0129	0116	0118	0132	0133	0125	0142	18
19	0110	0105	0113	0141	0148	0132	0121	0122	0139	0136	0125	0125	0137	0141	0128	0148	19
20	0113	0112	0123	0145	0151	0139	0127	0131	0141	0142	0127	0131	0141	0147	0131	0156	20
21	0115	0116	0127	0152	0158	0143	0130	0136	0148	0148	0133	0135	0146	0152	0140	0157	21
22	0117	0118	0129	0152	0160	0135	0130	0136	0150	0153	0133	0136	0148	0153	0142	0160	22
23	0115	0116	0129	0149	0156	0141	0129	0134	0148	0151	0132	0134	0146	0151	0144	0159	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	0152	0144	0123	0108	0100	0072	0064	0115	0125	0103	0089	0102	0107	0098	0085	1012·1	Midnight
1h	0145	0138	0118	0101	0094	0064	0064	0113	0123	0099	0088	0102	0101	0094	0082	1011·7	1h
2	0144	0131	0112	0096	0090	0054	0064	0111	0128	0094	0086	0102	0100	0090	0078	1011·3	2
3	0141	0129	0109	0092	0085	0051	0061	0110	0125	0091	0081	0101	0096	0086	0074	1011·0	3
4	0131	0125	0108	0094	0085	0049	0061	0110	0124	0092	0084	0102	0095	0084	0069	1010·9	4
5	0143	0127	0111	0098	0086	0052	0063	0112	0129	0095	0087	0105	0101	0086	0077	1011·2	5
6	0146	0132	0116	0102	0090	0056	0073	0116	0131	0100	0091	0110	0102	0089	0086	1011·6	6
7	0147	0135	0119	0106	0094	0058	0083	0124	0136	0105	0097	0112	0106	0090	0085	1012·0	7
8	0149	0137	0121	0113	0096	0063	0088	0132	0139	0107	0102	0116	0107	0090	0085	1012·4	8
9	0146	0140	0120	0114	0097	0067	0092	0132	0138	0107	0107	0117	0113	0088	0089	1012·5	9
10	0142	0139	0117	0111	0091	0066	0094	0131	0136	0105	0106	0115	0110	0086	0095	1012·4	10
11	0133	0131	0110	0106	0085	0061	0092	0127	0134	0099	0100	0110	0106	0082	0095	1012·0	11
Noon	0128	0125	0113	0100	0075	0054	0087	0125	0119	0090	0098	0106	0105	0079	0094	1011·4	Noon
13h	0126	0120	0101	0095	0066	0052	0084	0119	0111	0083	0091	0102	0099	0075	0092	1010·9	13h
14	0125	0116	0090	0088	0061	0046	0081	0114	0107	0080	0082	0094	0093	0076	0089	1010·3	14
15	0126	0112	0089	0083	0056	0045	0080	0111	0105	0076	0080	0092	0090	0071	0090	1010·1	15
16	0130	0108	0087	0082	0054	0046	0081	0110	0104	0073	0081	0092	0087	0071	0085	1010·1	16
17	0131	0110	0091	0085	0056	0044	0086	0109	0105	0080	0083	0093	0091	0070	0090	1010·3	17
18	0141	0116	0096	0090	0062	0052	0093	0113	0106	0083	0087	0100	0096	0076	0096	1010·8	18
19	0146	0122	0103	0096	0067	0056	0103	0123	0111	0090	0092	0105	0100	0082	0105	1011·5	19
20	0147	0127	0111	0106	0074	0063	0112	0126	0115	0088	0098	0107	0105	0088	0114	1012·1	20
21	0150	0132	0112	0111	0077	0066	0116	0131	0118	0086	0102	0111	0110	0090	0122	1012·5	21
22	0150	0135	0113	0110	0076	0069	0119	0129	0119	0088	0105	0112	0107	0092	0124	1012·6	22
23	0150	0131	0113	0105	0076	0069	0117	0130	0114	0090	0106	0111	0104	0087	0122	1012·4	23

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

Hour. \ Day.	OCTOBER 1923.																																															
	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	5	4	2	2	1	8	2	10	0	10	5	4	7	0	7	6	0	5	5	7	3	7	10	2	5	0	3	0	2	0	10	4·3
1h	4	3	2	3	2	8	5	10	0	10	4	6	6	0	5	7	0	5	2	9	3	5	10	2	5	1	4	0	2	1	10	4·3
2	3	3	2	4	2	6	7	10	0	10	3	7	8	0	5	8	1	4	7	9	3	4	10	5	4	1	4	0	2	2	10	4·7
3	2	3	1	5	3	4	9	10	0	10	3	8	9	0	7	8	1	4	8	9	3	2	10	9	3	1	1	0	2	1	9	4·7
4	2	4	2	5	4	5	9	10	0	8	4	9	10	1	4	8	2	4	8	8	3	3	10	9	4	1	2	0	4	1	9	4·9
5	3	4	3	6	4	6	9	10	1	7	4	9	10	2	4	9	3	5	9	8	3	3	10	9	5	1	2	0	5	2	9	5·3
6	4	5	4	3	4	9	10	10	1	9	7	7	10	1	5	10	7	7	10	8	2	2	10	9	4	1	1	1	8	2	9	5·8
7	4	4	4	4	3	9	10	10	5	10	4	2	9	2	3	8	8	7	9	8	2	2	9	9	6	2	2	2	8	1	9	5·7
8	7	5	5	5	9	9	10	8	7	9	6	4	7	3	3	8	7	8	10	9	4	6	8	9	7	4	5	1	9	7	8	6·7
9	7	5	8	6	10	10	10	6	9	9	5	6	8	6	3	9	9	7	5	9	6	5	9	9	6	4	9	2	9	8	9	7·2
10	7	6	8	6	10	10	10	4	10	10	5	7	9	7	5	8	8	7	4	8	6	5	10	9	9	5	7	2	6	8	10	7·3
11	7	6	6	6	9	10	9	3	10	10	4	6	9	7	4	8	9	7	5	9	6	6	9	9	8	6	6	2	7	8	10	7·1
Noon	8	6	5	7	9	10	9	4	10	9	6	4	8	8	4	6	9	7	6	9	5	8	8	9	6	5	6	2	5	8	10	7·0
13h	7	6	6	6	7	10	8	7	6	8	8	6	8	6	4	4	6	6	7	9	5	9	9	8	7	5	5	2	6	10	10	6·8
14	7	6	6	8	6	9	7	7	5	8	8	8	8	7	4	3	8	8	8	7	7	9	8	7	8	6	5	2	6	10	10	7·0
15	9	4	9	9	7	8	10	9	10	9	9	9	9	7	6	3	9	9	9	7	6	9	5	8	7	4	4	2	7	10	10	7·5
16	9	5	9	9	8	8	10	9	10	8	8	10	8	6	7	2	9	8	7	6	4	9	6	7	6	3	3	6	7	10	10	7·3
17	8	6	9	8	7	7	10	8	10	6	8	10	7	5	6	3	9	4	6	5	3	8	7	5	7	3	2	5	8	9	10	6·7
18	4	6	9	4	6	8	10	8	10	4	3	9	9	3	3	2	8	2	5	4	5	8	8	3	7	2	1	4	8	10	10	5·9
19	2	2	9	3	9	8	10	5	10	2	2	7	4	6	3	3	9	5	4	3	4	6	8	3	6	1	1	2	5	10	10	5·2
20	3	1	8	3	10	5	10	2	10	9	1	8	2	9	2	5	8	6	3	2	5	7	9	6	4	1	2	1	2	9	10	5·2
21	4	1	7	2	8	8	10	1	10	8	2	9	2	5	2	7	8	8	2	1	8	9	2	7	1	2	3	1	1	10	10	5·1
22	4	1	5	2	5	5	10	1	10	7	2	8	1	5	2	4	6	4	3	2	5	10	2	6	0	2	2	1	1	10	10	4·4
23	3	1	4	1	6	3	10	1	10	6	2	8	1	7	4	1	6	3	5	2	6	10	2	5	0	3	1	2	0	10	10	4·3

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

Hour* Ending \ Day.	OCTOBER 1923.																															
	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	35	25	28	35	38	0	0	0	30	0	40	55	25	35	37	5	0	30	10	0	45	40	5	0	45	45	50	55	15	50	12	13·2
8	40	55	52	60	12	5	0	0	0	0	60	60	60	60	60	50	35	20	0	15	60	50	8	10	60	60	45	60	50	60	35	19·0
9	60	55	60	60	0	8	0	60	0	25	60	50	55	60	50	50	50	55	20	10	60	40	40	25	60	60	60	60	40	60	45	22·3
10	60	58	45	60	10	35	0	60	0	0	60	50	40	60	50	15	55	25	50	50	60	60	15	60	55	60	60	60	28	40	0	21·3
11	55	45	48	60	45	45	0	60	5	0	60	45	20	50	60	40	50	10	30	20	60	55	12	60	28	60	60	55	60	42	0	20·7
Noon	60	20	58	60	0	12	40	60	10	25	60	5	45	52	58	40	22	52	55	18	60	60	50	35	60	60	60	50	60	25	2	21·2
13h	60	60	60	60	25	10	25	40	25	12	22	10	50	35	57	60	18	55	10	5	60	12	45	55	60	60	60	20	25	28	0	18·7
14	60	60	60	45	58	18	0	40	58	58	18	35	10	55	60	60	60	50	2	2	60	0	20	60	60	60	60	25	20	0	0	19·6
15	60	60	40	25	58	30	0	22	8	10	0	30	8	60	60	60	45	20	0	45	60	0	32	60	60	60	60	0	30	0	0	16·7
16	60	60	25	45	55	52	0	10	0	20	0	12	40	60	60	60	40	45	6	45	60	0	45	60	60	60	60	40	55	0	0	18·9
17	58	60	35	12	60	20	0	0	7	0	32	0	52	60	60	60	25	55	5	55	60	2	50	60	55	60	60	40	20	0	0	17·7
18	30	40	0	28	20	10	0	0	0	5	20	0	0	40	18	40	0	50	30	12	45	30	50	60	30	55	60	30	0	0	0	11·7
19	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 221·0 hours and the total possible sunshine 387·2 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°)

OCTOBER 1923.

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	20·1	0·5	20·6	0·7	18·6	1·0	19·1	0·8	19·8	1·1	20.0	0·5	19·9	0·9	20·3	0·6	Midnight
1h	20·1	0·6	20·1	0·4	18·3	0·8	18·9	0·9	19·6	1·2	20.0	0·3	19·8	0·9	20·2	0·6	1
2	19·8	0·6	19·5	0·6	17·9	0·9	18·4	0·5	19·1	1·0	19.9	0·7	19·3	0·7	20·2	0·4	2
3	19·1	0·7	19·6	0·3	17·2	0·8	18·5	0·7	18·8	1·0	19·7	0·6	20·3	1·0	20·4	0·6	3
4	19·0	0·7	19·3	0·6	16·7	0·6	19·0	0·7	18·5	1·2	19.6	0·6	20·4	1·2	20·5	0·7	4
5	19·6	0·7	19·3	0·4	16·3	0·6	18·5	0·7	18·2	1·1	19·5	0·6	20·0	0·9	20·3	0·6	5
6	19·6	0·7	18·9	0·6	16·4	0·6	18·3	0·7	18 3	1·1	19·3	0·3	20·2	1·2	20·4	0·5	6
7	20·2	1·1	20·0	0·8	19·8	0·9	21·0	0·9	19·2	0·9	20·2	0·2	20·2	0·5	21·2	0·6	7
8	22·7	2·0	22·6	1·6	22·8	2·0	23·2	2·9	21.0	1·6	21·4	1·2	20·5	0·4	22·9	2·1	8
9	23·5	2·9	23·6	2·3	23·7	3·3	24·7	4·5	21·0	1·0	21·8	1·2	20·4	0·6	24·3	3·4	9
10	24·2	3·4	25·0	4·1	24·5	4·0	25·4	5·0	20·8	1·1	23·4	3·7	21·5	1·2	25·5	4·6	10
11	24·3	3·5	24·9	3·9	25·2	4·6	25·9	5·5	22·7	2·1	23·7	3·6	23·1	2·7	26·8	5·6	11
Noon	24·9	3·6	25·1	4·0	25·5	4·6	26·2	6·0	22·2	2·0	23·9	3·7	24·6	3·9	26·8	6·2	Noon
13h	25 3	4·1	25·6	4·8	26·1	5·4	25·9	5·6	23·3	2·6	23·8	3·1	25·2	4·2	25·2	4·3	13h
14	25·3	4·2	25·8	5·1	25·3	4·6	25·2	4·7	25·1	4·8	23·2	3·1	24·5	3·8	25·1	4·8	14
15	25·3	4·0	25·3	5·0	24.5	4·4	24·9	4·2	24·7	4·5	23·7	3·9	24·1	3·3	24·2	3·2	15
16	24·5	3·3	24·8	4·6	24·1	3·8	24·5	4·0	24·2	4·1	23·9	4·2	22·3	1·6	23·9	2·9	16
17	23·0	2·1	23·7	3·4	23·2	3·0	23·9	3·7	23·8	3·7	23·3	3·7	22·4	2·0	23·3	2·3	17
18	22·1	1·6	22.6	2·7	22·7	2·6	23·0	3·0	22·8	2·9	22·7	3·0	22·2	1·5	22·8	2·1	18
19	21·7	1·3	21·4	1·9	21·8	1·8	22·3	2·3	21·7	2·0	21·8	2·1	21·3	1·2	21·2	1·7	19
20	21·1	1·0	20·3	1·4	20 8	1·6	21.1	1·8	21·1	1·4	21·1	2·0	20·9	0·9	20·4	1·2	20
21	21·1	1·0	19·2	1·0	20·5	1·4	20·7	1·5	20·8	0·9	20·3	1·3	20·9	0·9	20·0	1·5	21
22	20·8	1·0	18·8	0·9	20·1	1·1	20·1	1·2	20·3	0·9	20·8	1·6	20·9	0·9	19·0	0·9	22
23	20·8	0·9	18·7	1·0	19·9	1·0	20·3	1·5	20·0	0·8	20·2	1·1	20·5	0·8	19·1	1·0	23

Day. / Hour.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	19·0	1·0	21·1	1·5	19·7	1·0	18·5	1·2	19·9	1·5	18·9	2·4	17·2	2·2	19·7	2·6	Midnight
1h	19·1	1 0	21·2	1·3	19·1	1·0	18·6	1·4	19·9	1·4	19·1	2·2	17·7	1·8	19·8	2·7	1h
2	18·5	0·8	21·2	1·2	19·3	0·6	18·1	1·2	20·0	1·3	18·7	2·4	18·3	1·9	19·8	2·3	2
3	18·4	1·0	21·1	1·2	19·5	0·9	17·8	1·3	20·0	1·0	18·3	2·1	18·2	2·0	20·0	2·4	3
4	18·3	1·1	20·3	1·3	19·0	1·2	18·3	0·8	19·7	0·8	18·6	2·3	17·7	1·7	20·1	2·3	4
5	18·6	0·8	20·0	1·0	18·7	0·9	19·0	0·8	19·3	0·6	18·1	2·0	17·3	1·6	19·8	2·2	5
6	18·3	0·6	19·9	0·9	19·2	0·9	19·1	0·8	19·7	0·7	18·1	2·0	18·2	2·5	18·9	1·6	6
7	20·2	0·8	20·2	0·5	21·2	0·9	21·2	1·5	21·2	1·3	19·7	2·4	20·1	3·5	19·9	1·9	7
8	21·9	1·7	21·7	1·4	23·3	2·6	23·6	3·5	22·2	2·5	21·3	3·1	21·3	4·3	22·7	3·8	8
9	21·3	2·0	23·3	2·6	23·8	3·6	23·8	3·8	23·7	3·4	23·0	4·4	23·2	5·4	23·0	4·0	9
10	23·5	3·6	23·7	3·1	25·6	5·3	25·2	5 3	22·6	2·6	23·1	4·4	23·6	5·9	22·7	3·9	10
11	24·0	3·9	22·8	2·0	26·2	5·7	25·3	5·2	23·5	3·3	23·5	5·1	23·8	6·4	23·7	4·8	11
Noon	25·5	4·9	24·3	3·6	26·2	5·9	24·9	3·7	24·3	4·6	22·3	4·1	24·1	6·8	24·5	5·5	Noon
13h	25·3	4·8	24·5	3·7	24·9	3·8	24·1	3·4	23·2	3·5	22·9	4·6	24·2	6·9	24·8	5·9	13h
14	25·5	5·1	25·3	5·1	24·6	3·5	24·4	3·7	23·3	3·6	22·6	4·6	24·1	6 4	25·0	6·4	14
15	24·8	4·5	24·8	4·5	23·9	3·1	24·3	3·6	21·7	2·4	23·2	5·9	23·8	5·5	24·9	6·7	15
16	23·9	3·7	24·6	3·7	23·8	2·9	23·1	2·7	21·8	2·6	22·3	5·6	23·2	5·0	23·3	5·6	16
17	23·5	3·2	24·2	3·5	24·1	3·0	21·9	1·6	21·0	2·7	21·6	5·2	22·3	4·5	22·3	5·3	17
18	21·8	1·1	22·5	3 0	23·0	3·2	21·8	1·8	20·3	2·4	20·7	4·6	21·1	3·7	21·7	5·6	18
19	21·3	1·1	21·1	2·2	21·6	2·5	20·8	1·7	19·6	2·3	19·7	3·5	20·2	3·0	20·1	4·5	19
20	21·0	1·2	20·3	1·5	20·7	1·8	21·0	1·4	19·1	2·0	18·7	2·3	19·9	2·9	18·5	3·2	20
21	21·2	2·0	20·2	1·4	19·8	1·2	21·1	1·7	19.0	1·8	18·1	2·8	19·7	2·4	17·0	2·0	21
22	20·3	1·0	19·5	0 8	19·5	1·4	20·9	1·5	19·0	2·1	18·1	2·4	19·7	2·5	16·4	1·6	22
23	21·0	1·9	20·2	1·1	18·6	1·1	20·0	1·4	19·1	2·1	17·3	2·1	19·7	2·2	15·8	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°)

OCTOBER 1923

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	15·2	1·2	17·1	1·8	17·7	1·5	18·7	1·5	18·0	1·3	19·9	1·0	21·9	0.9	21·7	1·7	Midnight
1h	14·8	1·1	16·8	1·4	17·5	1·4	19·5	1·2	17·7	1·4	19·8	1·1	21·9	...	21·2	...	1h
2	14·4	1·0	16·3	1·3	16·4	1·2	19·1	1·0	17·3	1·3	20·3	1·0	22·0	...	21·5	...	2
3	14·0	1·0	16·3	1·5	17·8	2·1	19·5	1·0	17·1	0·9	20·0	0·9	22·1	1·1	22·0	0·9	3
4	14·0	0·9	15·9	1·4	18·0	1·4	19·5	1·1	16·7	0·5	19·3	0·7	22·1	...	22·2	...	4
5	14·0	0·9	16·1	1·8	19·0	1·1	19·7	0·9	16·3	0·7	18·8	0·9	22·1	...	22·3	...	5
6	14·1	0·9	16·6	2·6	18·8	1·4	19·7	1·0	16·0	0·8	18·5	0·6	22·0	1·1	22·6	0·9	6
7	17·6	2·1	18·1	1·5	19·3	1·0	20·4	1·3	22·7	3.6	21·1	1·1	22·7	...	23·2	...	7
8	21·5	4·3	22·0	3·3	20·6	2·0	23·1	3·3	23·4	3·2	23·6	2·1	23·9	...	24·7	...	8
9	22·9	5·6	23·4	4.5	23·9	4.9	22·9	3·6	24·2	4·3	25·0	3·7	26·2	3·7	25·9	3·1	9
10	23·4	5·5	23·2	4·9	23·7	4·0	24·1	4·4	25·5	5·5	26·1	4·5	24·8	...	26·9	...	10
11	23·7	5·8	24·1	6·1	24·2	4·5	24·8	4·8	25·9	5·6	26·2	4·5	25·5	...	26·7	...	11
Noon	23·7	5·5	25·2	7·0	24·7	5·2	24·3	4·4	26·2	5·5	27·8	5·5	26·9	4·5	27·1	4·2	Noon
13h	24·3	6·1	25·5	6·5	24·1	4·5	24·1	4·4	26·3	5·6	25·5	3·7	27·3	...	28·0	...	13h
14	24·5	6·2	25·3	6·3	23·6	4·5	24·0	3·9	26·3	5·1	25·2	3·7	27·1	...	27·8	...	14
15	23·5	5·0	24·7	6·1	23·2	4.5	23·6	4·0	25·7	4·9	25·0	3·8	27·2	5·0	27·4	4·3	15
16	23·3	4·8	24·1	6·0	22·0	3·3	23·4	4·4	25·1	4·7	24·2	3·4	28·2	...	27·0	...	16
17	22·3	4·2	23·2	5·2	22·3	3·7	23·1	4·2	2·39	3·3	24·0	3·7	27·3	...	26·1	...	17
18	21·2	3·3	21·9	4·1	21·3	2.9	22·9	4·7	23·1	2·8	23·2	3·4	26·0	4·0	25·7	3·5	18
19	20·7	3·1	20·3	3·1	21·0	2·5	21·9	3·8	22·5	2·3	22·9	3·0	25·0	...	23·7	...	19
20	20·2	3·1	19·0	2 0	20·6	2·3	19·9	2·0	21·9	1·8	22·2	2·1	23·6	...	23·8	...	20
21	19.0	2·0	18·5	1·9	19·9	2·1	18·6	1·6	21·6	1·6	22·1	1·8	22·4	1·4	23·0	1·0	21
22	18·3	1·6	17·9	1·7	19·8	2·1	17·8	1·1	21·3	1·1	22·0	1·5	22·1	...	22·9	...	22
23	17·5	1·4	16·9	1·6	19·5	1·3	17·3	0·8	20·7	1·3	21·9	1·2	21·8	...	22.9	...	23

Hour \ Day.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean. Air.	Mean. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	22·2	0·2	20·6	1·1	19·2	1·2	18·4	1 4	20·0	1·0	19·0	1·0	20·9	2·2	19·4	1·2	Midnight
1h	22.3	...	20·7	...	18·9	...	18·0	..	20·1	...	18·7	...	20·9	..	19·4	1·2	1h
2	22·1	...	20·3	...	18·7	...	17·5	...	20·0	...	18·4	...	20·9	...	19·1	1·2	2
3	22·0	0·8	20·0	1·0	18·4	1·2	17·1	1·0	20·0	1·8	18·0	1·0	20·4	2·2	19·1	1·2	3
4	22·1	...	19·9	...	18·0	...	17·0	...	20·6	...	17·9	...	20·3	...	19·0	1·2	4
5	22·1	...	19·8	.	18·4	...	16·8	...	20·9	...	18·1	...	20·2	...	18·9	1·1	5
6	21·9	0·1	20·0	1·0	18·6	0·6	18·8	0·8	20·7	1·5	19·8	1·0	20·2	1·4	19.1	1·0	6
7	23·7	...	22·8	...	22·2	...	22·3	...	21·6	...	22·3	...	20·9	...	20·9	1·4	7
8	24·7	...	24·6	...	24·3	...	24·9	...	24·0	...	24·4	...	22·6	..	22·8	2·6	8
9	25·9	4·2	25·9	3·6	25·2	5·0	26·2	6·1	24·5	1·6	25·2	1·1	23·1	4·8	23·8	3·5	9
10	25·8	...	26·2	...	26·0	...	27·3	...	25·9	...	26·8	...	23·0	...	24·5	4·2	10
11	26·7	...	26·3	...	26·8	...	27·4	...	26·5		25·3	...	23·1	...	24·9	4·5	11
Noon	26·9	5·2	26·8	4·3	26·7	6·3	26·0	4·9	26·8	7·4	25·7	4·4	23·2	4·3	25·3	4·9	Noon
13h	27·2	...	26·4	...	26·9	...	25·9	...	25·9	...	24·9	...	23·0	...	25·1	4·6	13h
14	26·7	...	26·4	...	26·6	...	25·9	...	26·7	...	22·2	...	22 7	...	25·0	4·6	14
15	26·9	4·9	26·2	3·7	26·2	6·6	25·7	4·7	26·6	6·2	20·9	1·0	22·3	1·3	24 6	4·3	15
16	26·0	...	25·9	...	26·2	...	25·6	...	25·6	...	21·2	...	21·9	...	24·1	4·0	16
17	25·0	...	24·8	...	25·3	...	25·5	...	24·8	...	21·4	...	21·2	..	23·5	3·7	17
18	23·9	1·0	23·6	4·0	24·0	4·9	23·9	4·7	23·7	4·2	21·1	0·8	20·9	2·9	22·6	3·1	18
19	23·1	...	22·2	...	22·7	...	22·5	...	22·8	...	21·0	...	20·6	...	21·6	2·5	19
20	22·9	...	20·6	...	22·1	...	21·7	...	21·0	...	20·9	...	20·7	...	20·9	2·1	20
21	22·0	2·0	19·7	1·7	21·8	3·5	21·0	2·7	20·2	2·0	20·9	1·7	20·6	4·3	20·4	1·9	21
22	20·9	...	19·2	...	20·5	...	20·6	...	20·0	...	20·8	...	20·7	...	20·0	1·6	22
23	20 6	...	19·2	...	20·3	...	20·2	...	19·8	...	20·5	...	20·8	...	19·7	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.*)

OCTOBER 1923.

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	923	904	919	903	917	900	916	900	931	887	920	893	932	898	910	Midnight
1h	885	915	904	918	900	916	900	923	900	936	889	917	900	928	903	908	1h
2	887	913	903	913	896	910	900	915	900	916	893	915	900	922	903	907	2
3	889	911	908	920	896	910	900	913	900	918	887	932	900	922	904	919	3
4	885	915	903	915	894	914	898	909	894	913	890	924	900	925	897	914	4
5	885	923	901	907	893	915	896	918	891	921	893	916	900	909	896	910	5
6	887	932	904	910	894	915	896	918	893	917	893	915	908	918	896	909	6
7	889	926	894	914	893	916	890	924	889	927	890	923	910	924	897	907	7
8	900	942	912	930	889	928	884	940	886	936	900	932	913	934	893	916	8
9	908	940	919	928	906	931	882	945	908	919	918	945	913	933	900	918	9
10	917	941	917	925	914	934	900	948	900	935	900	954	916	924	907	916	10
11	917	941	920	930	918	927	909	944	914	936	921	950	908	938	914	921	11
Noon	924	936	923	923	924	936	900	945	900	929	909	945	911	929	923	935	Noon
13h	924	936	919	928	915	938	910	951	912	931	917	943	916	940	887	933	13h
14	922	932	917	926	917	941	910	947	918	943	912	957	913	933	848	979	14
15	922	932	917	941	914	935	900	945	900	954	910	948	900	938	877	977	15
16	912	931	913	933	908	938	909	946	917	942	910	947	904	921	893	983	16
17	913	933	909	921	900	932	908	939	917	943	900	932	906	913	890	986	17
18	906	927	906	927	900	931	907	933	904	921	900	939	907	917	890	996	18
19	900	917	903	916	900	916	900	921	900	918	889	927	885	897	892	908	19
20	900	918	902	911	900	913	900	916	895	922	888	918	894	897	882	927	20
21	904	921	903	913	900	911	896	921	893	916	889	927	894	898	891	912	21
22	903	915	905	923	898	909	893	935	889	911	892	919	892	897	889	916	22
23	904	918	904	921	896	918	900	931	887	913	895	927	889	895	893	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	889	911	892	908	898	906	890	910	887	934	891	921	889	917	870	930	Midnight
1h	889	908	889	911	894	903	890	910	887	919	880	920	895	922	874	926	1h
2	891	907	894	906	888	909	888	912	889	929	880	920	887	932	885	915	2
3	890	908	892	908	894	908	887	913	877	934	884	924	911	927	887	920	3
4	891	907	889	917	889	911	889	911	883	941	882	918	887	920	887	919	4
5	897	916	896	909	885	915	887	913	887	932	885	915	873	927	883	942	5
6	893	917	897	907	894	914	892	908	892	939	886	935	878	932	892	919	6
7	889	926	891	913	889	916	887	913	873	941	885	937	880	949	887	933	7
8	887	934	892	908	890	924	891	922	868	948	876	956	882	944	881	946	8
9	878	932	895	926	887	933	883	925	874	964	874	962	874	962	887	962	9
10	887	932	911	927	900	938	900	931	867	949	873	966	874	964	878	953	10
11	900	929	904	921	900	942	892	920	863	957	867	979	885	975	878	952	11
Noon	911	928	906	927	892	938	882	873	871	971	886	970	886	967	888	959	Noon
13h	917	943	870	922	873	882	888	870	872	967	875	960	874	963	879	952	13h
14	907	936	900	941	890	876	887	868	868	977	883	986	878	954	874	962	14
15	915	937	891	921	895	877	906	873	874	962	881	994	886	969	880	949	15
16	900	926	894	908	900	875	900	882	871	970	875	961	872	967	877	955	16
17	900	930	883	917	885	885	904	890	879	951	875	959	880	948	883	941	17
18	896	919	890	923	896	921	893	903	874	940	877	956	880	949	886	936	18
19	892	918	891	913	894	914	892	906	871	943	888	931	887	933	893	916	19
20	893	916	896	906	893	915	882	908	873	927	886	936	882	918	893	916	20
21	893	917	896	909	897	906	885	907	882	944	889	926	888	918	893	915	21
22	892	910	900	911	895	912	880	920	887	934	888	919	870	920	890	923	22
23	889	911	896	909	891	913	874	940	888	930	890	915	872	928	895	912	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 1923.

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	898	906	891	909	892	911	893	910	892	918	904	910	897	906	888	905	Midnight
1h	893	909	892	908	892	911	886	922	895	912	904	910	898	906	800	912	1h
2	889	911	888	912	897	905	887	913	895	912	905	911	897	906	892	919	2
3	885	910	890	915	896	907	889	926	895	911	904	909	894	913	890	915	3
4	887	909	889	911	889	911	889	917	893	915	904	910	895	912	890	915	4
5	883	911	895	905	889	911	885	924	894	913	905	911	890	915	888	918	5
6	889	908	894	906	890	923	892	918	894	913	907	916	890	914	883	926	6
7	895	903	888	912	880	930	889	927	894	915	906	914	894	927	884	924	7
8	881	929	879	931	880	920	900	928	894	927	904	920	881	929	984	939	8
9	883	943	878	953	882	945	900	940	900	931	911	929	886	935	900	941	9
10	879	952	881	947	878	953	918	944	915	938	916	924	878	954	910	948	10
11	882	944	883	941	880	948	907	932	915	938	933	913	887	933	908	941	11
Noon	877	935	883	941	882	943	914	936	921	932	928	928	914	921	915	938	Noon
13h	883	942	880	948	868	932	911	929	914	934	910	924	915	910	914	935	13h
14	879	951	882	945	879	952	908	941	917	943	910	925	920	920	922	932	14
15	883	941	882	945	891	945	909	944	913	933	912	930	914	914	918	927	15
16	882	945	885	937	891	944	910	948	913	932	909	922	924	905	922	933	16
17	883	942	883	942	882	943	900	948	914	934	912	931	913	887	914	935	17
18	886	934	889	929	885	923	900	942	912	931	909	921	894	886	910	925	18
19	887	920	887	920	890	914	900	928	909	922	905	922	897	894	894	927	19
20	881	919	888	918	891	913	889	927	906	915	900	917	895	888	890	924	20
21	887	913	892	910	893	916	893	916	904	910	900	931	886	900	896	921	21
22	885	915	896	907	890	914	894	915	904	909	895	925	887	903	893	917	22
23	889	911	896	907	893	917	892	920	903	908	896	910	881	908	900	923	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	900	911	900	931	904	918	902	911	878	922	885	915	886	936	893	917	Midnight
1h	900	920	900	923	905	922	893	915	886	921	892	908	873	927	893	916	1h
2	900	921	900	914	903	916	895	911	888	919	892	908	875	925	893	914	2
3	900	924	900	911	904	921	891	921	886	922	887	913	873	927	893	917	3
4	892	920	900	910	905	922	890	915	888	918	890	910	865	935	891	916	4
5	892	920	900	914	900	915	891	912	890	914	890	910	866	934	891	917	5
6	890	925	900	917	897	914	893	909	889	917	893	907	863	957	892	918	6
7	900	932	900	927	900	920	889	917	882	918	888	912	846	954	889	923	7
8	909	943	913	934	911	926	885	938	908	939	888	919	860	960	891	933	8
9	922	952	916	940	907	933	887	932	900	933	900	920	833	967	894	939	9
10	911	956	920	948	915	937	892	937	900	940	900	930	850	950	897	942	10
11	920	949	929	943	924	936	893	933	915	937	900	862	841	959	901	938	11
Noon	921	950	923	935	922	933	873	927	914	934	883	859	861	958	902	935	Noon
13h	919	947	926	939	923	935	859	872	900	929	900	862	857	965	898	931	13h
14	918	943	935	935	918	943	868	878	909	943	930	900	868	947	900	934	14
15	916	939	915	937	920	949	873	889	913	933	900	883	857	943	900	932	15
16	914	935	912	931	906	930	860	884	912	930	904	894	859	941	899	929	16
17	914	934	914	936	900	927	878	900	904	921	900	892	859	941	897	927	17
18	911	928	906	928	904	918	890	923	897	907	911	892	864	936	896	925	18
19	908	919	903	916	904	918	885	915	895	911	891	893	864	936	893	918	19
20	904	918	903	915	902	911	892	908	889	911	891	907	865	935	892	916	20
21	902	912	907	916	902	909	887	913	888	912	875	910	866	951	893	916	21
22	903	914	903	917	902	911	887	913	889	911	862	915	868	932	891	916	22
23	905	925	903	915	901	907	888	912	889	911	886	934	855	945	892	918	23

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

OCTOBER 1923.

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

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

d = direct. r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for OCTOBER 1923.

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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	0·3	...	...	...	0·9	...	5·0	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...
7	...	...	...	...	...	...	6·0	...	.	..	...	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..
9	...	...	...	...	...	0·8	1·0	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..	..	...	...	...	..
11		...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	..	..
Noon	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	.	6·5	...
14	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	. .	...	...	...	...	...	. .	...	...	15·5	...
15	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	...
16	...	...	...	...	...	...	...	...	...	...	...	4·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	...
17	.	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...		.	...	...	1·0	...
18	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
19	..	...	...	...	0·5	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	0·9	...
21	...	...	...	...	0·4	...	...	...	0·5	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	..	...	...	...	...	...
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 OCTOBER 1923.

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	7.90	31·6	37·1	11
	3	Belmont	50	9.35	37·4	50·0	6
	4	Poudre d'Or	20	8.70	34·8	44·4	6
	5	Mon Loisir (R.) ...	300	3·71	94·2	61·7	12
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	..	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	2·83	71·9	65·0	14
	10	Mont Piton	860	1·99	50·5	67·6	8
	11	Mon Choix	700	2·89	73·4	63·2	9
	12	Antoinette	640	3·35	85·0	64·3	10
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	2·99	75.9	94·0	12
	15	Mon Songe	620	2·60	66·1	70·9	7
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	2·19	55·6	54·6	9
	19	The Observatory ...	179	2·05	52·0	35·1	9
	20	Solitude§	175	...	..	...	...
	21	St. André§	90	...	...	...	...
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy*	10	0·60	15·2	...	3
	25	Esperance (Trébuchet)§	165	...	...	...	...
	28	Mon Rocher*	...	1·85	47·0	...	7
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	..	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ..	296	3·06	77·7	...	6
	49	Poudre d'Or Station§ ...	172	...	...	...	...
	50	Rivière du Rempart* ...	134	2·18	55·4	...	6
2 & 3	1	Union Régnard§ ...	600	...	...	...	...
	2	Constance d'Arifat L.G.§	100	...	...	...	...
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	600	2·99	75·9	49·8	12
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	2·59	65·8	...	15
	7	Belle Mare*	...	1·59	40·4	...	7
	8	Bel Etang (Lesur)* ...	...	3·90	99·1	...	7
	9	Belle Vue (Allendy)* ...	...	2.99	75·9	...	8
	10	St. Julien E(K. Reetoo)*	...	1·00	25·4	...	8
4	1	Sans Souci	900	5·49	139·4	134·6	22
	2	Etoile	400	2·97	75·4	97·0	9
	3	Beau Champ	20	2·79	70·9	45·5	11
	4	Belle Rive*	400	5·41	137·4	...	16
	5	Olivia	400	4·67	118·6	89·7	17
	6	Deep River*	350	4·23	101·4	...	18
	7	Belle Rose Estate* ...	...	2·57	65·3	...	13
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	4·83	122·7	...	29
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney	20	4·02	102 1	81·8	17
	4	Beau Vallon	60	0 53	13·5	50·5	10
	5	Union Vale	200	2.89	73·4	67·8	15
5 cont.	6	Mon Désert (Carié) ...	75	2·32	58·9	..	13
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	6·57	166·9	164·8	19
	2	Tivoli*	1,300	5·78	146·8	...	16
	3	La Flora*	1,050	6·14	155·9	...	14
	4	Britannia*	750	2·67	67·8	...	17
	5	Savannah (Mill) ...	200	1·49	37·8	68·8	7
	6	St. Aubin	300	2·28	57·0	72·6	9
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois	350	2·54	63·5	112·5	9
	9	St. Avold*	900	3·35	85·1	...	14
	10	Terracine§	100	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny*	..	7·07	179·6	...	11
	14	Union S. E.*	...	2·64	66·0	...	7
	15	Fontenelle*	...	2·94	73·5	...	6
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	..	...	...	..
7, 8 & 9	1	Bel Ombre	40	1·92	48·8	45·2	7
	3	Beau Champ*	...	1·48	37·6	...	5
	4	Board*	...	3·00	76·2	...	6
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10	...	No returns.		...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	4·41	112·0	113·3	15
	3	Mare aux Vacoas ...	1,850	5·78	146·8	126·7	20
	4	La Marie Filter Bed ...	1,700	2·45	62·2	96·8	17
	5	Réunion	1,420	1·82	46·2	78·0	9
12	1	The Manse	850	1·40	10·2	41·1	18
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma	1,460	4·49	114·1	119·9	18
	5	Bagatelle	1,250	2·09	53·1	63·8	12
	6	Highlands*	1,300	3·47	88·1	...	12
	7	Trianon	950	1·38	25·1	46·2	6
	8	Salency§	923	...	...	...	. .
	9	La Ferme*	350	0·90	22·9	...	10
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	1·13	28·7	54·6	17
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	1·50	38·1	...	1
	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, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

NOVEMBER 1923

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of NOVEMBER 1923.

Month and Day. 1923.	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)	List of Earthquakes. Date.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	E.-W. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	Remarks.
Nov.	° ′			′													
1	10·53 6	·22983	·29990	6·2	29	23	...	...	...	...	...	...	...	...	...	...	Driving clock out of order.
2	53·2	975	993	9·4	55	19											
3	52·8	966	·30000	6·8	29	09											
4	52·9	964	001	9·7	14	26											
5	53·0	970	001	5·1	28	28											
6	53·0	975	006	6·7	29	21											
7	53·9	981	003	5·5	77	20											
8	...	982	007	...	53	14											
9	52·7	981	008	9·0	40	25											
10	52·9	985	005	10·2	35	37											
11	53·4	989	003	9·1	26	23											
12	53·3	991	004	11·5	20	26											
13	53·5	974	010	7·4	22	11											
14	53·6	976	010	8·7	37	15											
15	53·2	976	009	9·0	31	18											
16	53·9	982	007	7·9	39	16											
17	54·1	977	010	6·0	34	09											
18	54·5	988	007	6·5	40	18											
19	53·3	979	003	7·0	14	17											
20	53·5	979	001	6·9	34	20											
21	53·5	990	001	7·8	30	22											
22	53·8	984	003	5·2	23	20											
23	53·1	972	004	7·8	26	23											
24	53·1	978	007	8·5	35	09											
25	53·7	979	001	8·3	23	31											
26	53·0	982	001	9·7	31	18											
27	53·4	988	007	8·0	85	14											
28	53·9	966	012	6·6	32	13											
29	53·3	978	011	8·9	41	13											
30	53·2	971	013	5·3	39	11											
31	...	...	...	...	...	...											
Mean.	10·53·39	·22979	·30005	7·75	35·0	18·9	...	...	...	...	...	...	...	...	...	...	...

T=0·37793 : Mean Dip.=θ=52°.33′·20 (X=·22565 : Y=−·04341 : Z=·30005).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of NOVEMBER 1923.

Declination (West). Day and Hour.	Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Observed Value.	Dip (South). A. M. Observations. Day and Hour.	Observed Value.	Resulting Vertical Force. C. G. S. Units.	P. M. Observations. Day and Hour.	Observed Value.	Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
Nov. 9.13·35	10·45·79	Nov. 5·13·50	·22968	Nov. 5·10·50	52.33·65	·30024	Nov. ...	...	...
9.11·45	10·47·98	5·09·33	·22980	9·12·00	52·30·06	·29984	9.13·45	52.31.00	·30001
16.11·55	10·57·77	14·13·31	·22986	14.10.19	52.32.25	·30013	14·13·47	52·32·00	·29999
16.13·38	10·51·19	14·09·40	·22991	23. 9.32	52.32.68	·29997	23.13.32	52.32.50	·29995
21.11·25	10·52.49	23·10·00	·22993	30·11·46	52·34·87	·30008	30·13·18	52·35·56	·30009
21.13·43	10·49·78	23·13.15	·22978						
30.11·31	10·53 58	28.11·26	·22974						
30·13·33	10·49·96	28·13·33	·22953						

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

NOVEMBER 1923.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day.
	10° +																
Midnight	54·0	53·8	53·8	53·6	53·6	53·8	54·1	Register lost	53·0	53·0	53·3	53·5	54·3	54·0	53·8	54·1	Midnight
1h	53·7	53·9	53·0	53·7	53·7	53·9	54·3		53·7	53·5	53·5	53·8	54·2	52·5	53·8	54·3	1h
2	53·8	54·2	54·0	53·5	53·8	54·3	54·3		53·8	53·4	53·7	54·1	53·7	53·5	53·8	54·3	2
3	53·8	54·3	54·2	53·5	53·5	54·2	54·3		54·4	53·9	54·0	54·5	54·1	53·8	53·7	54·4	3
4	54·0	54·5	54·5	53·5	53·5	54·2	54·3		54·5	54·4	54·5	54·7	54·5	54·1	53·5	54·2	4
5	53·8	54·4	55·3	53·3	53·3	53·7	54·2		54·4	54·5	55·0	55·0	55·0	54·6	53·9	54·1	5
6	53·9	54·3	54·2	52·7	52·7	53·7	54·5		54·5	55·0	55·5	55·8	55·7	55·5	54·2	54·5	6
7	54·5	56·2	55·3	54·[illegible]	53·3	54·6	56·4		55·5	57·0	57·9	58·0	56·6	57·5	56·0	57·0	7
8	55·5	56·7	55·2	55·7	54·5	55·2	56·7		55·7	57·2	58·3	58·5	56·4	58·0	57·5	57·7	8
9	55·9	56·2	54·7	57·0	54·7	54·7	56·5		55·0	55·8	55·5	57·5	55·7	56·7	57·3	57·5	9
10	56·0	55·3	53·5	57·0	54·8	54·0	55·7		53·0	53·0	54·3	55·5	55·0	55·5	56·0	56·4	10
11	55·9	52·2	51·8	55·0	54·5	52·0	55·0		49·5	49·5	52·0	52·0	53·5	53·8	53·5	54·7	11
Noon	55·0	50·0	49·7	52·2	53·5	50·0	52·3	46·0	47·0	47·0	50·3	48·5	51·5	52·0	50·0	54·3	Noon
13h	52·2	47·8	49·3	49·0	51·0	48·5	51·2	46·5	46·0	47·0	49·2	47·5	49·2	49·5	48·7	52·0	13h
14	49·9	47·3	48·5	47·3	49·7	48·5	51·2	48·0	46·7	48·2	49·3	47·0	49·5	49·3	48·5	50·5	14
15	49·8	50·0	49·2	47·8	50·0	50·0	52·0	50·2	49·5	50·2	50·2	48·0	49·7	50·0	49·8	49·8	15
16	51·0	52·0	50·0	49·3	50·7	51·3	53·0	52·5	52·0	52·0	51·7	50·3	50·3	52·0	51·5	50·6	16
17	52·5	52·7	52·2	51·8	51·8	53·2	53·6	54·4	54·4	54·1	53·5	52·5	52·0	53·8	52·8	52·5	17
18	53·0	53·3	52·5	52·4	52·5	53·5	53·5	54·4	54·3	54·0	53·7	53·3	53·0	53·7	53·2	53·3	18
19	53·3	53·5	53·3	53·3	53·0	53·5	52·5	54·0	54·0	53·5	53·5	53·7	53·7	53·5	53·5	53·5	19
20	53·7	53·5	53·2	53·5	53·0	53·4	53·2	53·8	53·7	53·0	53·3	53·9	54·0	53·5	52·5	53·7	20
21	53·5	53·7	53·3	53·5	53·1	53·4	53·8	53·7	53·5	53·1	53·3	54·0	54·1	53·6	53·5	54·2	21
22	53·5	53·5	52·3	53·4	53·5	53·6	53·9	53·2	53·2	53·0	53·5	53·8	54·2	53·5	53·8	54·0	22
23	53·8	53·5	53·2	53·3	53·7	54·0	53·7	53·0	53·0	53·0	53·5	54·1	53·7	53·7	52·9	52·9	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. \ Hour.
	10° +																
Midnight	54·3	54·5	54·0	54·3	53·9	53·7	53·8	53·5	53·8	53·5	53·5	54·5	53·5	53·3	...	53·8	Midnight
1h	54·5	54·7	54·3	54·5	54·1	53·9	53·9	53·7	53·9	53·7	53·7	54·5	53·8	53·8	...	53·9	1h
2	54·7	54·9	54·5	54·5	54·2	54·2	54·5	54·1	54·2	53·7	53·5	54·3	54·5	53·5	...	54·1	2
3	54·7	54·7	54·6	54·5	54·0	53·8	54·7	54·0	54·5	53·5	53·5	54·3	54·7	52·7	...	54·1	3
4	55·9	54·0	54·5	54·5	54·2	53·5	55·0	53·8	54·5	54·0	53·8	54·5	55·0	53·5	...	54·3	4
5	55·2	54·7	53·8	54·7	54·5	53·7	55·0	54·2	54·7	54·3	54·3	54·3	56·5	54·2	...	54·4	5
6	55·3	55·3	55·2	55·0	55·0	53·9	55·2	54·7	55·8	55·0	55·2	53·7	57·1	54·3	...	54·7	6
7	56·4	57·5	56·5	56·7	57·3	55·3	56·3	56·5	57·8	57·0	56·0	53·5	56·2	55·0	...	56·1	7
8	57·2	57·8	56·3	56·4	57·2	56·2	55·2	56·2	57·7	57·0	56·5	54·7	56·7	54·7	...	56·5	8
9	56·0	57·7	54·7	55·3	56·5	55·5	53·8	54·7	56·7	56·0	56·3	54·5	55·0	55·3	...	55·8	9
10	55·0	56·3	53·7	54·7	55·0	54·5	51·6	53·5	55·5	54·3	55·5	55·0	54·3	54·7	...	54·8	10
11	53·0	55·0	52·0	52·5	53·5	54·0	50·7	51·8	53·8	51·0	53·5	56·3	52·7	54·2	...	53·1	11
Noon	51·3	54·2	50·5	50·3	51·3	52·2	49·3	49·5	51·5	49·0	51·5	56·1	50·5	52·0	...	51·1	Noon
13h	51·2	51·7	49·5	49·9	49·5	51·0	48·5	48·0	49·7	47·5	49·0	55·7	49·3	50·5	...	49·6	13h
14	51·3	51·3	49·7	49·8	49·5	52·0	49·0	49·0	49·5	47·3	48·5	54·5	47·8	50·0	...	49·3	14
15	51·3	52·3	49·9	50·5	50·0	53·0	50·7	50·5	50·0	49·0	49·0	52·7	49·3	50·7	...	50·2	15
16	51·7	52·7	51·0	51·5	51·2	53·8	52·5	52·0	51·3	50·5	50·7	51·0	49·5	51·3	...	51·3	16
17	53·5	53·7	52·8	52·7	53·3	54·2	54·0	53·5	52·7	52·7	52·5	49·7	51·5	52·5	...	52·8	17
18	53·7	53·8	53·8	53·5	53·7	54·2	54·3	53·5	53·3	54·0	53·8	53·3	52·7	53·0	...	53·4	18
19	53·9	53·9	53·7	53·5	53·5	53·8	53·8	53·7	53·8	54·1	54·1	53·4	53·5	53·5	...	53·6	19
20	53·9	53·8	53·5	53·5	53·0	53·5	52·7	53·5	53·6	54·0	53·8	53·5	53·5	53·1	...	53·5	20
21	54·3	53·8	53·7	53·4	53·3	54·1	53·5	53·7	53·5	53·7	54·5	53·5	53·5	53·5	...	53·6	21
22	54·5	53·7	53·7	53·5	53·5	53·7	53·5	53·7	53·5	53·7	54·1	53·3	53·7	53·3	...	53·6	22
23	54·7	54·2	54·3	53·7	53·7	53·9	53·7	53·8	53·7	53·5	54·7	53·3	53·5	53·5	...	53·7	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 1923.

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	083	083	062	067	065	066	075	·066	076	074	078	080	066	066	074	075	Midnight
1h	077	080	075	066	067	065	077	066	072	076	087	083	065	068	074	076	1h
2	075	077	076	064	068	065	075	080	078	077	088	084	078	066	070	077	2
3	074	078	067	065	068	066	075	074	078	077	092	087	073	070	074	078	3
4	070	078	067	065	067	066	075	075	077	076	092	086	070	067	075	078	4
5	069	086	066	066	066	067	074	070	077	078	091	086	069	068	074	077	5
6	073	089	067	065	064	065	072	067	075	077	092	085	068	068	074	075	6
7	071	103	067	063	067	066	074	067	068	076	087	084	071	075	077	075	7
8	073	107	068	064	068	067	083	072	074	077	087	088	073	076	084	080	8
9	082	109	077	065	074	078	097	092	087	082	087	107	078	087	093	090	9
10	086	102	075	068	078	086	108	104	095	091	093	120	085	095	097	101	10
11	084	097	076	070	088	093	119	113	102	104	096	126	084	102	088	104	11
Noon	089	088	077	068	092	096	123	117	107	109	104	134	087	100	083	113	Noon
13h	098	070	069	066	085	097	110	119	107	109	104	125	084	099	073	105	13h
14	097	057	065	060	074	093	100	104	102	103	097	115	084	088	067	092	14
15	097	056	060	057	064	087	096	091	089	097	095	100	077	077	069	081	15
16	094	057	048	056	065	083	084	085	077	090	093	096	075	068	070	073	16
17	092	054	055	058	070	076	078	076	074	086	087	095	067	065	067	072	17
18	088	054	056	060	070	073	072	073	074	084	085	090	074	066	066	073	18
19	086	055	058	060	067	070	066	068	073	084	080	082	074	067	073	075	19
20	085	055	059	065	065	067	060	068	068	080	081	066	077	067	074	075	20
21	085	054	062	064	064	065	046	070	067	078	081	058	068	068	075	075	21
22	084	057	063	060	065	064	048	072	067	077	082	054	073	068	074	074	22
23	082	063	064	065	065	073	062	074	072	078	082	057	065	073	074	077	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	077	077	084	077	080	085	084	074	076	076	074	060	076	074	...	074·3	Midnight
1h	076	077	085	078	082	084	082	075	079	077	075	063	080	075	...	075·4	1h
2	074	077	084	078	083	085	077	075	079	078	075	068	084	080	...	076·5	2
3	073	078	083	077	084	087	073	076	082	083	077	072	094	087	...	077·4	3
4	073	079	083	076	084	087	067	076	081	084	080	080	098	084	...	077·2	4
5	076	083	083	075	084	090	063	076	078	083	087	075	098	083	...	077·3	5
6	075	084	077	073	087	085	068	075	077	083	085	074	097	83	...	076·6	6
7	077	087	075	065	087	084	068	070	076	080	088	066	083	082	...	076·0	7
8	084	095	074	073	092	084	072	073	077	085	091	070	084	076	...	079·0	8
9	094	107	076	078	095	087	077	080	083	092	110	070	084	075	...	086·4	9
10	097	116	083	088	096	092	085	089	086	096	123	071	090	074	...	092·3	10
11	096	115	087	099	102	097	086	096	092	098	134	074	089	068	...	096·0	11
Noon	087	109	087	098	102	096	078	104	093	097	127	067	080	057	...	095·6	Noon
13h	080	103	085	093	108	092	085	097	087	093	123	054	074	048	...	091·7	13h
14	070	099	076	087	108	086	077	088	081	090	098	048	062	050	...	083·9	14
15	065	091	073	077	092	083	075	080	077	086	095	054	057	060	...	078·6	15
16	063	086	075	070	086	078	070	076	076	083	093	055	058	063	...	074·9	16
17	067	082	077	073	086	076	066	074	077	080	090	066	058	065	...	073·6	17
18	072	078	075	074	085	075	060	073	070	076	078	064	062	065	...	072·2	18
19	074	080	075	075	090	077	063	073	077	074	068	064	075	067	...	072·3	19
20	075	079	073	075	093	076	064	070	076	069	064	064	073	067	...	071·0	20
21	075	077	073	074	078	074	066	070	075	067	070	067	067	070	...	069·4	21
22	075	076	074	075	088	078	066	069	075	067	058	070	068	072	...	069·8	22
23	074	078	075	078	094	079	067	073	074	067	049	069	072	073	...	071·6	23

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

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

NOVEMBER 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	093	092	101	102	105	108	107	109	109	111	110	110	112	112	111	111	Midnight
1h	092	092	101	101	105	109	108	109	109	110	101	110	111	111	111	111	1h
2	092	092	101	102	106	109	109	109	109	109	109	109	111	112	111	111	2
3	093	092	102	103	106	109	109	109	109	109	109	109	111	112	111	111	3
4	093	093	102	103	106	110	109	109	109	109	109	109	111	112	111	111	4
5	094	094	102	103	107	110	109	109	109	110	109	109	112	113	111	111	5
6	095	096	102	104	106	111	108	109	110	111	111	111	113	113	111	111	6
7	096	099	102	108	110	112	110	110	114	118	114	115	114	117	111	116	7
8	097	097	101	112	111	112	110	110	117	116	112	112	113	117	111	114	8
9	097	091	100	112	109	112	106	107	116	110	103	103	112	112	107	109	9
10	091	088	099	110	104	109	103	105	111	103	102	101	111	109	102	102	10
11	085	084	097	098	096	110	100	103	104	097	091	099	110	108	099	101	11
Noon	079	082	096	095	089	100	091	101	092	087	091	097	107	105	097	101	Noon
13h	074	080	094	086	087	091	090	097	092	081	091	094	105	103	096	100	13h
14	075	080	095	088	083	091	090	098	095	088	091	090	103	102	103	100	14
15	080	091	101	093	086	094	092	102	101	098	092	089	104	103	110	101	15
16	086	096	102	100	091	104	097	106	109	104	097	092	107	108	113	102	16
17	090	098	103	103	096	104	101	111	109	107	100	097	108	111	114	105	17
18	091	099	101	102	101	106	101	111	109	107	101	101	107	113	113	107	18
19	091	098	101	102	103	104	102	110	109	106	102	103	107	111	111	107	19
20	091	097	099	102	104	105	105	110	110	107	104	106	109	110	111	108	20
21	091	097	098	102	104	106	107	110	111	108	106	109	109	110	111	108	21
22	091	098	099	102	104	106	109	110	111	109	108	111	111	110	111	109	22
23	091	098	099	101	104	107	108	110	111	109	108	112	111	110	111	109	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	109	110	106	102	102	103	104	107	108	105	108	112	115	114	...	106·9	Midnight
1h	110	110	106	102	101	102	103	105	107	105	109	113	115	115	...	106·5	1h
2	111	110	107	102	101	102	105	105	106	105	107	111	115	114	...	106·7	2
3	111	111	107	103	101	101	106	105	106	104	107	111	113	113	...	106·8	3
4	111	111	108	104	102	101	107	105	106	104	107	110	113	114	...	107·0	4
5	111	111	107	105	103	103	109	107	106	105	107	111	114	112	...	107·4	5
6	111	111	111	109	104	105	110	109	110	107	109	111	114	115	...	108·6	6
7	112	113	107	108	106	111	111	111	114	109	111	115	114	117	...	110·8	7
8	112	112	103	103	108	114	108	111	113	107	113	118	115	118	...	110·6	8
9	111	109	098	099	108	110	106	109	107	103	112	119	113	118	...	107·6	9
10	109	100	096	099	105	107	099	108	106	099	111	120	111	115	...	104·5	10
11	109	095	094	094	102	107	091	107	096	093	106	115	109	112	...	100·4	11
Noon	103	096	094	090	095	100	088	103	090	090	101	113	103	109	...	096·2	Noon
13h	105	096	095	089	087	094	093	102	083	091	100	112	102	107	...	093·9	13h
14	109	101	098	092	086	096	097	102	087	091	099	110	102	109	...	095·0	14
15	109	105	100	095	090	099	103	104	090	093	099	109	109	110	...	098·4	15
16	110	109	102	101	096	102	109	106	096	099	102	107	109	110	...	102·4	16
17	110	109	103	105	101	103	111	109	097	101	104	108	111	110	...	104·6	17
18	110	110	105	105	104	102	110	109	098	103	106	109	112	112	...	105·5	18
19	110	108	105	104	104	101	108	108	100	103	107	109	111	113	...	105·3	19
20	109	107	105	103	103	102	108	108	101	103	107	111	111	112	...	105·6	20
21	109	106	105	103	102	102	108	108	103	104	109	110	112	112	...	106·0	21
22	110	106	105	103	102	103	107	108	103	104	108	110	113	112	...	106·4	22
23	110	106	105	103	104	102	107	108	103	107	112	111	112	112	...	106·7	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1923.

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.	Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
Nov.	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1011·7	+ 1·1	25·2	19·0	6·2	21·9	— 1·2	4·1	14·6	— 2·4	64	— 5	16·5	16·7	0·0	...	8·2	6·1
2	1010·5	0·0	25·9	17·9	8·0	21·7	— 1·4	3·1	16·2	— 0·8	71	+ 2	18·2	17·2	0·7	20	7·2	5·6
3	1007·9	— 2·5	26·1	20·2	5·9	22·6	— 0·6	1·5	20·0	+ 2·9	86	+ 17	23·2	18·8	2·0	45	3·7	6·2
4	1008·7	— 1·6	26·2	21·7	4·5	23·7	+ 0·5	1·9	20·4	+ 3·3	82	+ 13	23·7	20·6	0·0	...	5·5	8·3
5	1011·2	+ 0·9	28·0	22·2	5·8	24·5	+ 1·2	2·6	20·0	+ 2·8	76	+ 7	23·2	19·9	0·0	...	7·0	7·5
6	1012·4	+ 2·2	27·9	22·1	5·8	24·3	+ 1·0	2·7	19·7	+ 2·5	76	+ 7	22·7	19·7	0·0	...	7·5	7·5
7	1011·8	+ 1·7	27·8	19·4	8·4	23·4	0·0	3·2	17·8	+ 0·5	71	+ 2	20·2	16·0	0·0	...	7·8	3·6
8	1011·0	+ 0·9	27·0	18·9	8·1	22·6	— 0·8	3·2	17·0	— 0·3	71	+ 3	19·2	15·2	0·0	...	8·0	2·7
9	1010·9	+ 0·9	28·0	19·0	9·0	23·1	— 0·4	3·3	17·4	0·0	70	+ 2	19·7	15·3	0·0	...	7·8	4·1
10	1011·0	+ 1·0	27·6	18·9	8·7	23·4	— 0·2	3·5	17·3	— 0·1	69	+ 1	19.6	15·4	0·0	...	8·0	6·2
11	1011·8	+ 1·9	27·7	19·6	8·1	23·3	— 0·3	3·1	17·9	+ 0·4	72	+ 4	20·3	16·1	0·0	...	7·8	4·6
12	1011·3	+ 1·5	28·5	20·3	8·2	23·7	0·0	3·0	18·5	+ 1·0	73	+ 5	21·1	16·2	0·0	...	5·8	3·5
13	1010·3	+ 0·5	29·5	19·2	10·3	24·0	+ 0·3	3·9	17·3	— 0·3	66	— 2	19·6	12·5	1·1	15	8·5	4·8
14	1010·4	+ 0·7	30·1	18·0	12·1	23·8	0·0	3·9	17·0	— 0·6	66	— 2	19·2	14·2	0·0	...	7·4	2·7
15	1010·9	+ 1·2	29·1	18·5	10·6	23·7	— 0·1	3·5	17·6	— 0·1	69	+ 1	19·9	15·5	0·0	...	8·0	4·7
16	1010·6	+ 1·0	28·2	19·0	9·2	23·9	0·0	3·7	17·5	— 0·2	68	— 1	19·8	15·6	0·0	...	7·0	4·4
17	1008·4	— 1·1	30·9	17·9	13·0	24·2	+ 0·3	3·5	18·2	+ 0·4	69	0	20·7	13·5	0·0	...	8·4	4·3
18	1006·4	— 3·1	29·8	19·2	10·6	24·7	+ 0·7	3·6	18·5	+ 0·6	69	0	21·1	16·3	0·0	...	7·0	5·9
19	1007·3	— 2.1	29·0	18·9	10·1	24·1	0·0	3·1	18·8	+ 0·9	72	+ 3	21·5	16·8	0·4	5	6·4	5·7
20	1008·4	— 0·9	29·9	22·6	7·3	25·1	+ 1·0	3·7	18·8	+ 0·8	68	— 1	21·5	19·2	0·0	...	7·2	6·5
21	1008·6	— 0·7	29·1	21·8	7·3	25·0	+ 0·8	3·8	18·5	+ 0·5	67	— 2	21·1	19·3	0·0	...	8·5	3·2
22	1009·1	— 0·1	29·5	22·1	7·4	25·3	+ 1·0	3·6	19·2	+ 1·1	69	0	22·0	19·0	0·0	...	9·3	3·3
23	1010·2	+ 1·1	29·9	20·9	9·0	25·3	+ 1·0	3·2	19·8	+ 1·6	72	+ 3	22·9	17·9	0·0	...	8·2	4·4
24	1009·9	+ 0·9	30·2	22·9	7·3	25·7	+ 1·3	3·6	19·6	+ 1·3	69	0	22·6	19·8	0·0	...	7·0	5·6
25	1010·3	+ 1·3	31·1	21·5	9·6	25·8	+ 1·4	3·5	19·8	+ 1·5	70	+ 1	22·9	18·1	0·0	...	8·5	2·3
26	1010·6	+ 1·7	30·8	22·1	8·7	25·7	+ 1·2	4·1	18·7	+ 0·3	66	— 3	21·4	19·6	0·0	...	8·5	3·1
27	1010·1	+ 1·2	29·6	20·9	8·7	25·4	+ 0·8	4·1	18·4	— 0·1	65	— 4	21·0	18·7	0·0	...	9·5	3·2
28	1009·6	+ 0·8	30·3	21·9	8·4	25·8	+ 1·2	3·9	19·2	+ 0·6	67	— 3	22·0	18·0	0·0	...	8·6	4·8
29	1009·4	+ 0·7	32·0	22·2	9·8	26·2	+ 1·5	4·6	18·4	— 0·3	62	— 8	21·0	17·1	0·0	...	9·5	4·5
30	1009·6	+ 1·0	32·2	20·2	12·0	26·1	+ 1·4	4·3	18·8	0·0	64	— 6	21·5	15·7	0·0	...	8·5	2·2
31	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
Mean	1010·0	+0·4	28·9	20·3	8·6	24·3	+ 0·4	3·4	18·4	+ 0·6	70·0	+ 1·2	21·0	17·1	4·2	8·5	7·7	4·7
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
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF NOVEMBER 1923.

The weather of November was on the whole about normal. There was a general absence of depressions during the month and resulting calm, dry and warm weather.

Pressure was generally above normal; the passage of two negative waves was observed on the 3rd and 18th.

Air temperature was generally normal for the first half of the month; but there was a marked excess throughout the second half.

Except for a very high excess from the 3rd to the 6th, Relative Humidity was generally normal, but there was deficiency towards the end of the month, an indication of the abnormally dry weather which persisted during the following month.

Wind Velocity was above normal from the 1st to the 6th, and below on all other days.

Rainfall at the observatory was 90% below normal—falling on 4 days.

The percentage variation for the other districts was as follows:

Northern Districts	River System 1,	70 % below
Eastern Districts	,, ,, 2, 3, 4,	3 % ,,
South-Eastern Districts	,, ,, 5 & 6	12 % above
Western Districts	River System 11	18% below
	,, ,, 12	48% ,,
	,, ,, 13	No record

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1923

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
Nov.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	10·7	84	− 3·2	+ 4·5	55	5·5	5·6	+ 2·1	24·4	24·2	24·7	...	...	24·2	23·9	o .g. . c.f. : c.g .
2	10.7	84	− 2·1	+ 4·4	64	4·8	4·9	+ 1·4	24·4	24·2	24·7	...	...	24·5	24·3	c.p.: c.f. : q.: c.p. . c.f. .
3	4·5	35	− 0·9	+ 4·4	78	4·5	4·7	+ 1·2	24·4	24·2	24·3	...	...	24·6	24·4	f. :c. : o. p. : f . .
4	4·7	37	+ 1·2	+ 4·8	104	4·9	5·0	+ 1·5	24·4	24·2	24·1	...	...	24·9	25·0	c. : o. q: o. .
5	9·1	71	+ 0·7	+ 4·2	100	4·2	4·4	+ 0·9	24·5	24·3	24·3	...	...	25·8	25·9	o. : c .f. : c . .
6	11·7	91	− 0·4	+ 4·2	85	4·2	4·3	+ 0·8	24·4	24·3	24·4	...	...	26·2	26·3	o g. : c . : o. : .
7	11·9	93	− 0·8	+ 2·7	73	2·8	2·9	− 0·5	24·4	24·3	24·5	...	...	26·4	26·6	f. : c. f. : f. .
8	12·3	96	+ 0·2	+ 2·7	94	2·7	2·8	− 0·6	24·4	24·3	24·7	...	...	26·2	26·0	b. f. .
9	10·9	85	+ 0·1	+ 2·7	92	2·7	2·8	− 0·6	24·6	24·4	25·0	...	...	26·1	26·0	f. : c . f. : f. .
10	10·5	82	+ 0·5	+ 2·6	101	2·6	2·8	− 0·6	24·6	24·4	25·1	...	...	26·2	26·1	f. : o. . c.g : .
11	9·2	72	+ 0·3	+ 2·6	97	2·6	2·7	− 0·7	24·5	24·4	25·3	.	...	26·5	26·6	c .f.: c. : f . .
12	8·2	63	+ 0·1	+ 2·0	93	2·0	2·2	− 1·2	24·5	24·4	25·3	...	...	26·4	26·5	f. b. : c. : f . .
13	10·9	84	0·0	+ 2·0	90	2·0	2·3	− 1·1	24·4	24·4	25·2	...	...	26·6	26·6	c .p : c . f : f. .
14	9·7	75	+ 0·4	+ 1·6	104	1·6	2·1	− 1·3	24·4	24·4	25·1	...	...	26·7	26·7	b. f. .
15	9·8	76	+ 0·4	+ 1·8	103	1·8	2·2	− 1·2	24·4	24·5	25·5	...	...	26·9	26·9	f . : c. : .
16	9·2	71	− 0·1	+ 2·4	88	2·4	2·6	− 0·8	24·4	24·5	25·7	...	...	26·9	26.9	f . : c. f. : f .
17	9·5	73	+ 0·9	+ 0·2	167	0·9	1·9	− 1·5	24·4	24·6	25·7	...	...	27·0	27·4	b . f. : c . .
18	10·4	80	− 0·3	− 1·2	284	1·2	2·2	− 1·2	24·5	24·6	25·8	...	...	27·7	28·3	c . f. : c. .
19	7·6	58	− 0·5	− 0·3	329	0·6	2·0	− 1·4	24·5	24·5	26·1	...	...	27·7	27·4	f. : o. : f. .
20	6·0	46	− 1·7	+ 3·7	65	4·0	4·1	+ 0·7	24·5	24·7	26·2	...	...	27·7	28·1	f. : c . : f. .
21	11·7	90	− 0·4	+ 3·7	84	3·7	3·9	+ 0·5	24·4	25·0	26·2	...	...	27·8	27·7	b. f. : .
22	11·6	89	− 0·4	+ 3·2	83	3·2	3·3	− 0·1	24·4	24·9	26·4	...	...	28·1	28·3	f. b. .
23	11·9	91	+ 0·3	+ 2·3	97	2·3	2·6	− 0·8	24·5	24·9	26·6	...	...	28·7	28·6	b. f . : c . : .
24	11·1	85	+ 1·0	+ 2·3	114	2·5	2·7	− 0·7	24·5	25·1	26·6	...	...	28·4	28·7	c.f. : c. : f . .
25	12·0	92	+ 0·7	+ 2·1	108	2·2	2·4	− 1·0	24·5	25·1	26·8	...	...	28·6	28·8	f. b .
26	11·4	87	+ 0·3	+ 2·7	96	2·7	2·9	− 0·5	24·5	25·1	26·9	...	...	28·9	29·2	f. : c. f. : f. .
27	11·9	91	+ 0·1	+ 3·3	92	3·3	3·3	− 0·1	24·5	25·1	27·1	...	...	28·9	29·0	f. .
28	10·7	82	+ 1·5	+ 2·7	119	3·1	3·2	− 0·2	24·4	25·1	27·2	...	...	28·9	29·1	f. : c : f .
29	10·7	82	+ 2·1	+ 1·9	138	2·8	3·0	− 0·4	24·4	25·1	27·3	...	...	28·8	28·7	c.g. : c. f. . .
30	12·1	93	+ 1·7	− 0·3	190	2·7	2·3	− 1·1	24·4	25·1	27·4	..	...	29·0	29·3	b . f. b. .
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	10·08	77·9	+0·05	+2·53	90·1	2·53	3·14	−0·28	24·45	24·61	25·67	...	...	27·07	27·15	...
Average	8·79	67·5	−0·25	+2·63	84·6	2·64	3·42	...	24·42	24·84	...	...	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF NOVEMBER 1923.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1014·0 m.b.s.	at 22h	on 6th	1004·5 m.b.s.	at 16h	on 18th
Temperature of the Air	32·2°C	at 12·30h	on 30th	17·9°C	5h	on 17th
Daily range of temperature of the Air...	13·0°C	...	on 17th	4·°5C	...	on 4th
Temperature of the Dew Point	21·6°C	at ...	on 3rd	11·°8C	at 6h	on 1st
Daily range of temperature of the Dew Point	8·0°C	...	on 1st	1·°8C	...	on 4th
Relative humidity...	97·0%	at 19h & 21h	on 3rd	42·1%	at 14h	on 13th
Wind Velocity	8·9 m.p.s.	at 12h	on 1st	0·6 m.p.s.	often	...
Rainfall	2·0 mm.	ending 19h	on 3rd	...	...	...
Temperature of the soil at 3 ins. ...	31·8°C	at 18h	on 30th	22·0°C	at 6h	on 1st
,, ,, at 6 ins. ...	30·3°C	at 18h	on 30th	23·1°C	at 9h	on 1st
Duration of sunshine	12·3h	...	on 8th	...	4·5h	on 3rd
Amount of Evaporation	9·5 mm.	...	on 27th & 29th	3·7 m.m.	...	on 3rd
Vapour Tension	23·7 mbs	...	on 4th	16·5 m.p.s.	...	on 1st
Minimum on Grass	12·5°C	...	on 13th	...	...	...

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

Mean Day Temperature of Air 26·°66C, Average 26·34°C, Mean Night Temperature of Air 21·89°C, Average 21·30°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.)

NOVEMBER 1923.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day.
	When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.																
Midnight	0119	0124	0096	0082	0106	0126	0130	0126	0115	0115	0125	0126	0115	0111	0112	0121	Midnight
1h	0116	0119	0091	0080	0103	0122	0124	0120	0111	0107	0121	0121	0109	0106	0108	0112	1h
2	0112	0114	0080	0075	0100	0118	0120	0115	0108	0102	0116	0115	0104	0104	0105	0111	2
3	0112	0113	0079	0073	0096	0115	0118	0112	0104	0099	0114	0114	0102	0101	0103	0109	3
4	0113	0111	0078	0073	0100	0116	0118	0113	0104	0099	1113	0111	0101	0100	0104	0108	4
5	0114	0113	0074	0074	0101	0120	0121	0113	0100	0100	0115	0111	0102	0101	0106	0109	5
6	0115	0114	0081	0082	0105	0124	0124	0114	0105	0106	0119	0114	0103	0105	0111	0111	6
7	0121	0115	0082	0089	0110	0126	0126	0119	0110	0111	0125	0116	0109	0109	0114	0114	7
8	0123	0114	0083	0093	0116	0126	0125	0119	0112	0115	0126	0121	0113	0111	0115	0114	8
9	0125	0116	0085	0096	0119	0129	0125	0118	0113	0119	0125	0121	0114	0111	0114	0113	9
10	0123	0114	0084	0095	0121	0129	0124	0117	0113	0118	0123	0121	0111	0108	0112	0110	10
11	0119	0108	0080	0091	0120	0128	0119	0111	0110	0114	0121	0115	0107	0104	0108	0107	11
Noon	0113	0104	0076	0088	0115	0125	0111	0109	0109	0112	0120	0111	0100	0098	0102	0100	Noon
13h	0108	0099	0069	0084	0113	0119	0108	0099	0107	0109	0111	0104	0094	0094	0099	0095	13h
14	0103	0095	0068	0077	0109	0115	0100	0095	0101	0102	0101	0102	0087	0091	0097	0092	14
15	0104	0091	0067	0077	0103	0113	0100	0090	0099	0099	0098	0099	0082	0090	0095	0092	15
16	0102	0088	0065	0077	0102	0112	0098	0092	0099	0098	0099	0098	0080	0090	0094	0090	16
17	0107	0089	0068	0082	0104	0114	0100	0093	0099	0100	0104	0099	0089	0094	0096	0093	17
18	0112	0094	0073	0085	0110	0124	0110	0102	0104	0105	0113	0105	0096	0101	0106	0099	18
19	0120	0095	0079	0094	0119	0127	0116	0110	0114	0111	0121	0111	0106	0106	0114	0104	19
20	0125	0101	0084	0099	0126	0134	0123	0111	0116	0118	0129	0116	0111	0110	0121	0111	20
21	0131	0104	0085	0104	0128	0137	0127	0113	0121	0121	0131	0120	0114	0114	0123	0112	21
22	0134	0105	0086	0108	0127	0140	0130	0120	0123	0123	0131	0123	0116	0114	0126	0113	22
23	0129	0102	0084	0105	0126	0136	0129	0119	0120	0125	0130	0120	0114	0113	0125	0113	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day.
	When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.																
Midnight	0105	0079	0071	0087	0091	0097	0106	0115	0110	0110	0109	0107	0100	0099	...	1010·8	Midnight
1h	0098	0071	0068	0084	0085	0091	0100	0108	0105	0105	0107	0100	0098	0096	...	1010·3	1h
2	0091	0066	0066	0081	0081	0086	0098	0102	0098	0099	0102	0098	0096	0092	...	1009·8	2
3	0091	0063	0061	0078	0077	0082	0093	0098	0098	0096	0098	0094	0092	0090	...	1009·6	3
4	0091	0066	0064	0080	0078	0082	0091	0097	0098	0097	0096	0095	0091	0090	...	1009·6	4
5	0091	0065	0067	0082	0082	0084	0092	0098	0099	0100	0097	0098	0089	0089	...	1009·7	5
6	0098	0070	0070	0084	0090	0091	0099	0103	0103	0107	0102	0101	0094	0094	...	1010·1	6
7	0102	0072	0073	0086	0094	0094	0103	0107	0107	0111	0103	0104	0100	0099	...	1010·5	7
8	0101	0071	0075	0088	0097	0095	0104	0109	0109	0114	0107	0106	0102	0102	...	1010·7	8
9	0097	0073	0078	0091	0098	0094	0107	0109	0109	0117	0109	0103	0103	0103	...	1010·8	9
10	0092	0069	0076	0092	0093	0093	0106	0104	0110	0114	0107	0102	0099	0102	...	1010·6	10
11	0086	0066	0074	0087	0088	0092	0107	0100	0108	0112	0103	0099	0100	0101	...	1010·3	11
Noon	0078	0061	0072	0084	0084	0088	0102	0097	0102	0109	0109	0093	0099	0097	...	1009·9	Noon
13h	0067	0055	0070	0077	0078	0083	0097	0092	0099	0103	0095	0091	0092	0092	...	1009·3	13h
14	0064	0050	0068	0072	0078	0076	0095	0086	0093	0097	0092	0086	0087	0090	...	1008·9	14
15	0063	0046	0066	0067	0072	0076	0091	0083	0090	0096	0087	0083	0085	0084	...	1008·6	15
16	0066	0045	0070	0069	0071	0077	0090	0082	0088	0093	0086	0082	0081	0085	...	1008·6	16
17	0069	0047	0074	0076	0073	0082	0095	0083	0091	0097	0088	0086	0085	0087	...	1008·9	17
18	0071	0052	0078	0081	0081	0086	0099	0088	0096	0101	0092	0089	0085	0092	...	1009·4	18
19	0075	0058	0082	0086	0086	0093	0106	0096	0101	0106	0101	0096	0090	0098	...	1010·1	19
20	0081	0067	0086	0093	0092	0102	0112	0102	0108	0111	0106	0098	0093	0102	...	1010·6	20
21	0081	0072	0090	0097	0095	0105	0116	0103	0111	0115	0107	0100	0097	0106	...	1010·9	21
22	0083	0072	0089	0100	0098	0109	0120	0109	0115	0116	0109	0101	0102	0106	...	1011·2	22
23	0082	0071	0089	0097	0099	0109	0118	0111	0113	0114	0108	0101	0103	0106	...	1011·0	23

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

Hour. \ Day.	NOVEMBER 1923.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	10	9	2	4	9	9	4	0	2	1	5	0	6	0	2	4	2	6	5	3	4	2	0	8	2	1	2	1	7	0	...	3·7
1h	10	8	1	5	9	10	3	1	2	1	5	0	8	0	2	4	3	6	2	4	2	2	1	7	2	1	2	1	8	1	...	3·7
2	10	8	1	6	8	10	3	2	1	1	3	1	9	0	1	3	0	8	0	4	2	4	1	5	2	2	3	2	6	2	...	3·6
3	10	8	1	6	8	9	3	2	1	1	1	2	8	0	1	3	0	5	2	9	2	8	1	4	2	2	3	3	5	1	...	3·7
4	10	6	2	7	6	9	4	2	1	2	2	2	8	2	1	2	2	4	1	6	2	7	1	4	2	2	3	3	3	3	...	3·6
5	10	5	3	7	6	9	5	3	2	3	3	1	6	3	2	2	4	3	2	6	2	4	2	5	3	3	3	4	3	3	...	3·9
6	9	2	2	10	7	8	6	3	8	8	8	2	4	1	2	2	1	2	3	8	2	3	2	5	3	3	3	4	6	2	...	4·3
7	5	2	4	10	7	8	6	4	7	9	8	3	4	2	3	3	2	4	4	10	2	4	2	7	4	4	5	4	7	3	...	4·9
8	4	3	8	10	5	8	6	3	6	8	8	6	5	1	5	5	1	6	6	8	4	6	2	8	5	5	5	4	7	4	...	5·4
9	2	4	8	10	5	9	7	3	5	6	9	6	5	1	5	5	1	7	8	8	4	6	1	8	3	5	4	4	7	4	...	5·3
10	3	4	10	10	6	7	6	3	6	6	9	7	4	2	6	5	3	5	8	8	5	5	3	8	3	6	4	5	7	4	...	5·6
11	3	6	10	9	6	7	7	3	6	8	9	6	6	2	5	5	2	4	8	7	5	4	5	9	3	7	4	5	7	2	...	5·7
Noon	4	7	10	10	7	8	6	2	5	10	8	6	6	2	3	6	2	5	9	8	5	3	6	8	1	6	4	6	6	2	...	5·7
13h	4	6	10	10	6	8	4	2	6	9	6	5	5	3	2	5	3	6	9	6	6	3	6	9	2	5	3	7	6	2	..	5·5
14	5	7	10	7	7	8	4	3	7	8	6	6	5	5	7	4	3	7	10	7	5	3	7	9	2	4	2	8	5	2	...	5·8
15	4	8	10	7	8	8	3	6	8	9	6	8	3	8	9	8	9	8	8	6	4	3	8	8	3	4	3	9	5	4	...	6·5
16	5	8	10	8	9	7	2	6	7	7	6	8	4	8	9	8	9	8	9	9	5	3	8	9	3	4	4	9	4	3	...	6·7
17	7	8	9	10	9	6	2	5	5	7	4	5	4	6	9	7	9	9	9	8	4	2	7	6	2	3	5	9	3	2	...	6·0
18	4	7	8	10	9	6	2	4	4	7	3	3	5	4	8	7	9	9	9	8	2	2	7	3	2	2	6	7	3	2	...	5·4
19	2	5	9	9	8	6	1	2	3	8	2	1	4	3	8	6	9	9	9	7	2	2	6	2	2	2	4	4	2	2	...	4·6
20	2	5	7	9	8	7	1	2	2	8	1	1	3	3	7	5	8	8	8	6	2	1	5	2	1	1	2	3	2	1	..	4·0
21	7	4	6	8	9	6	1	1	2	8	1	1	2	3	7	4	7	8	4	5	2	1	6	1	1	1	1	2	1	1	...	3·7
22	8	3	5	8	9	4	1	1	2	6	0	0	2	2	5	2	7	4	3	3	2	1	7	1	1	1	1	3	1	1	...	3·1
23	8	2	4	8	9	4	1	1	2	5	0	2	2	2	4	1	5	2	2	2	2	0	7	2	1	1	1	5	0	1	...	2·9

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

Hour* Ending \ Day.	NOVEMBER 1923.																															
	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	5	0	0	0	0	0	0	0	0	12	10	25	10	20	20	5	15	0	15	0	20	0	5	8	12	0	0	8	...	3·2
7	50	58	50	0	28	48	50	48	15	17	0	60	58	60	58	59	60	60	60	0	60	32	55	45	60	45	50	50	10	60	...	21·8
8	60	60	60	0	60	60	50	60	58	60	31	58	60	60	60	59	60	60	55	0	60	58	60	55	60	50	55	50	40	60	...	26·3
9	60	60	57	10	45	60	60	60	59	60	40	60	60	60	50	50	60	40	50	10	60	60	60	50	60	60	60	60	60	60	...	26·7
10	50	60	50	31	47	60	60	60	60	60	16	28	60	60	60	50	60	42	45	60	50	60	60	58	60	60	60	60	60	60	...	26·8
11	45	60	10	58	55	60	60	60	60	60	40	40	60	60	60	60	60	50	50	60	20	60	60	59	60	60	60	60	60	52	...	27·0
Noon	60	60	0	14	60	58	60	60	60	60	60	60	60	60	60	60	60	60	26	48	60	60	60	50	60	60	60	60	60	58	...	27·2
13h	60	60	0	4	58	60	60	60	60	60	60	60	60	60	60	59	60	60	15	15	60	60	60	58	60	60	60	60	60	58	...	26·4
14	60	45	7	18	60	60	60	60	55	60	60	55	60	60	59	60	60	60	5	53	60	60	60	57	60	60	60	60	60	60	...	26·9
15	60	25	0	60	60	60	60	60	60	58	60	45	60	52	27	60	58	60	32	60	60	60	60	55	60	60	60	60	60	60	...	26·9
16	60	55	0	55	59	60	60	60	50	60	60	5	60	21	53	5	12	60	40	50	60	60	60	59	60	60	60	35	60	60	...	24·3
17	40	53	17	25	13	60	60	60	60	48	60	12	38	0	27	8	0	30	50	0	60	60	50	60	60	60	55	45	60	60	...	20·5
18	30	50	15	5	0	59	60	60	50	30	55	0	8	0	5	2	0	25	12	2	60	60	45	50	45	40	55	40	50	60	...	16·2
19	5	0	0	0	0	0	15	28	5	0	10	0	2	5	0	0	0	10	0	0	15	10	2	10	10	0	8	0	0	10	...	2·4

The total amount of registered sunshine was 302·6 hours and the total possible sunshine 390·1 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°)

NOVEMBER 1923.

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	20·2	4·0	19·0	2·0	20·2	1·2	22·6	0·7	23·1	1·6	23.1	1·2	22·0	1·4	19·5	1·1	Midnight
1h	20·0	...	18·9	...	20·4	1·4	22·4	0·7	23·0	1·5	23.0	1·1	22·2	1·8	19·3	1·0	1
2	20·2	...	18·9	...	20·4	1·4	22·3	0·8	23·0	1·5	22.9	1·4	21·7	1·5	19·2	1·0	2
3	20·1	4·1	18·8	1·8	20·4	1·4	22·1	0·8	22·9	1·4	22·9	1·2	21·7	1·7	19·3	1·3	3
4	20·0	...	19·2	...	20·5	1·4	22·0	0·8	22·5	0·9	22.6	1·3	21·2	1·2	19·3	1·3	4
5	20·0	...	19·6	...	20·9	1·5	22·0	0·8	22·3	1·0	22·4	1·3	21·3	1·2	19·0	1·0	5
6	20·0	4·6	19·9	2·6	21·8	1·8	22·0	0·8	22 5	1·1	22·3	1·3	21·6	1·6	19·0	0·9	6
7	22·1	...	21·6	...	23·0	2·4	22·8	1·4	22·5	0·6	23·7	1·8	23·8	2·8	22·9	3·2	7
8	23·2	...	23·3	...	24·3	3·2	23·6	1·9	25.0	3·0	25·7	3·6	24·2	3·4	24·5	4·3	8
9	24·0	6·9	23·9	4·0	25·5	3·8	24·2	2·2	25·5	3·5	25·9	3·7	25·6	4·6	25·5	5·4	9
10	23·6	...	25·2	...	25·0	3·2	25·3	3·1	26·5	4·4	26·8	4·4	26·2	5·1	25·9	5·5	10
11	25·1	...	25·5	.	24·6	2·7	25·4	3·2	27·0	4·8	27·1	4·6	27·0	5·9	26·0	5·9	11
Noon	24·9	3·0	25·6	5·9	23·2	1·2	25·6	3·5	27·5	5·1	26·9	4·6	27·1	6·0	26·9	5·8	Noon
13h	25·0	...	25·1	...	23·9	1·8	25·8	3·0	27·9	5·7	26·9	4·9	26·9	5·7	26·3	5·4	13h
14	25·0	...	23·7	...	23·2	1·0	25·7	3·1	26·8	4·7	27·0	5·0	26·8	5·8	25·9	6·0	14
15	24·6	4·8	23·3	4·3	23.0	1·0	25·9	3·6	26·9	4·7	26·8	4·8	26·2	5·3	25·8	5·5	15
16	23·9	...	23·4	...	23·4	1·2	24·9	2·9	25·9	3·5	25·4	3·5	26·0	5·7	25·3	5·1	16
17	22·1	...	21·8	...	23·6	1·5	24·1	2·2	25·0	3·0	25·2	3·5	24·9	4·9	24·5	4·4	17
18	21·9	4·0	21.2	2·3	23·0	1·1	23·8	1·8	24·0	2·1	23·9	2·4	23·2	3·7	23·6	3·6	18
19	21·6	...	20·9	...	22·1	0·3	23·6	1·7	23·8	1·9	23·1	1·9	22·1	2·8	22·2	2·4	19
20	20·7	...	20·6	...	22·1	0·4	23.4	1·8	23·5	1·5	22·6	1·6	21·0	2·1	21·0	1·9	20
21	19·8	3·1	20·6	1·6	22·1	0·3	23·3	1·7	23·4	1·4	22·4	1·4	20·7	1·8	20·0	1·5	21
22	19·6	...	20·4	...	22·2	0·4	23·1	1·5	23·4	1·4	22·5	1·5	20·0	1·3	20·5	2·0	22
23	19·2	...	20·4	...	22·5	0·6	23·1	1·5	23·2	1·2	22·3	1·3	20·0	1·4	20·0	1·3	23

Day. / Hour.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	20·0	1·2	20·4	1·5	21·0	1·7	20·2	0·7	21·0	1·8	19·3	0·8	19·8	0·8	20·8	2·1	Midnight
1h	19·9	1·2	20·0	1·3	21·1	1·1	20·8	1·1	21·5	1·5	18·9	0·8	19·1	1·0	20·2	1·8	1h
2	20·0	1·3	19·9	1·6	20·5	1·0	20·8	0·8	21·4	1·2	18·5	0·6	18·9	0·9	19·6	1·3	2
3	19·9	1·2	19·7	1·7	20·0	1·1	21·0	1·1	21·3	1·2	18·2	0·4	18·7	0·7	19·1	1·2	3
4	19·1	1·0	19·3	1·3	19·8	1·0	21·0	1·1	20·9	1·0	18·1	0·8	18·5	0·6	19·0	1·2	4
5	19·1	1·0	19·2	0·8	20·6	0·9	20·9	1·0	19·6	0·6	18·0	0·8	18·9	0·9	19·5	1·1	5
6	20·3	1·1	20·8	1·9	20·9	1·1	21·9	1·4	20·0	1·1	20·5	2·5	20·2	1·1	21·8	2·9	6
7	22·0	1·4	22·6	3·6	21·5	1·9	24·1	2·5	22·6	1·1	24·3	4·3	24·1	2·6	24·8	3·1	7
8	24·5	4·0	24·4	4·5	24·1	3·2	25·5	3·6	25·0	3·5	25·8	5·2	25·8	4·7	25·9	4·2	8
9	25·9	5·3	26·2	5·4	25·0	4·6	27·1	5·4	27·2	6·3	26·6	5·9	26·7	5·2	26·9	5·6	9
10	26·8	6·2	26·4	5·6	25·7	5·1	25·7	4·7	27·1	7·2	27·8	6·7	27·6	5·7	27·8	5·8	10
11	27·3	6·4	26·6	5·7	27·1	6·1	27·3	6·2	28·0	8·0	28·0	7·1	28·4	6·5	27·6	5·8	11
Noon	27·6	6·5	26·8	6·3	27·0	5·5	27·7	6·2	29·0	8·2	28·5	7·4	28·9	6·8	27·9	5·9	Noon
13h	27·5	6·6	27·0	6·4	27·5	6·1	28·1	6·2	28·9	8·4	29·0	7·4	28·9	6·8	28·0	5·9	13h
14	27·0	6·1	27·3	6·4	27·0	6·0	27·0	6·0	28·5	8·5	29·7	7·0	27·9	6·3	27·9	5·9	14
15	26·3	5·4	27·1	6·8	26·8	6·0	26·9	5·8	27·9	7·0	28·9	6·8	26·9	5·7	27·4	5·9	15
16	25·8	4·8	26·2	5·5	26·2	5·2	26·0	4·9	27·3	6·6	27·9	6·2	26·5	5·6	26·7	5·7	16
17	25·0	4·5	25·2	4·8	25·7	4·8	25·1	4·2	26·1	5·2	26·1	4·9	26·2	4·9	25·6	4·5	17
18	24·8	4·5	24·4	3·5	24·3	3·5	24·1	3·2	25·4	5·1	25·5	4·2	25·1	4·1	24·9	3·9	18
19	22·3	2·4	23·6	2·8	23·4	2·7	23·1	2·2	24·0	3·6	24·0	3·1	23·9	3·0	23·8	3·3	19
20	21·1	2·0	22·6	2·2	22·2	2·1	21·8	1·8	22·4	2·4	22·9	3·1	23·8	2·9	23·3	3·3	20
21	20·9	1·9	22·8	1·9	21·2	1·6	21·1	1·3	20.8	1·3	22·0	2·9	21·9	1·9	22·2	2·9	21
22	20·4	1·4	22·2	1·8	20·8	1·3	21·3	1·4	20·3	1·3	21·2	2·1	21·5	2·5	21·3	2·1	22
23	20·3	1·3	21·2	1·5	20·7	1·5	21·2	1·2	19·8	0·9	20·9	2·0	21·1	2·3	21·2	1·9	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 1923

Hour. \ Day.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	19·7	1·1	21·9	1·8	21·1	1·7	22·6	2·1	22·8	2·8	23·1	1·9	21·4	0.3	23·2	2·7	Midnight
1h	19·4	1·0	21·5	1·6	20·9	1·7	23·3	2·1	22·6	2·6	23·0	1·9	21·7	0·9	23·2	2·5	1h
2	19·0	1·0	21·1	1·3	19·7	1·1	23·4	2·1	22·4	2·4	23·1	1·8	20·9	0·9	23·3	2·7	2
3	18·8	1·0	20·3	1·3	19·3	1·2	23·7	2·5	22·2	2·2	23·0	1·7	20·9	1·0	23·3	2·7	3
4	18·1	1·0	19·5	1·3	19·1	1·1	23·1	2·0	22·6	2·6	22·9	1·4	21·0	0·9	23·0	2·7	4
5	17·9	0·7	19·2	1·1	19·0	1·1	22·9	1·8	22·2	2·3	22·1	1·2	21·1	1·0	22·9	2·8	5
6	18·9	0·9	20·1	1·1	20·5	1·3	23·2	2·1	22·3	2·1	22·5	1·5	22·2	1·1	23·0	2·6	6
7	23·1	2·0	24·0	2·7	24·0	2·5	23·0	1·1	25·0	3.6	24·9	2·7	25·0	2·3	24·8	2·7	7
8	25·1	3·8	26·0	4·0	25·5	4·2	23·8	1·8	26·4	5·1	26·9	4·5	26·5	3·8	25·9	3·7	8
9	26·9	5·4	26·9	4.1	26·5	4.9	26·0	3·5	27·1	5·6	27·0	4·5	27·8	4·8	27·9	4·7	9
10	27·5	5·8	27·5	4·8	27·3	4·4	27·5	4·7	27·0	5·3	28·1	5·6	28·9	5·8	28·1	5·1	10
11	28·7	6·8	28·5	5·6	28·6	5·6	28·4	5·6	28·0	5·8	28·4	5·5	28·9	5·8	29·0	5·8	11
Noon	29·0	6·7	29·5	6·5	27·1	5·2	28·1	6·0	28·5	6·0	28·6	5·9	29·0	5·7	28·5	5·4	Noon
13h	30·0	7·0	29·3	6·4	28·1	5·2	28·0	6·1	28·5	5·9	29·3	7·0	29·2	5·8	29·0	6·0	13h
14	30·8	7·6	28·5	6·5	25·7	3·5	28·8	7·2	27·8	5·7	28·9	6·2	28·7	5·3	29·3	5·8	14
15	29·3	6·3	28·0	5·9	27·7	5.2	28·9	7·0	28·1	5·6	28·5	6·2	28·4	5·6	28·1	5·2	15
16	27·0	4·9	27·9	6·0	27·7	5·1	27·5	5·9	27·8	5·8	28·0	5·9	28·9	5·8	28·7	5·4	16
17	25·9	4·0	26·7	4·8	26·5	4·2	26·4	5·6	26·5	4·6	27·1	5·2	27·8	4·9	28·1	4·8	17
18	25·2	3·3	25·9	4·3	25·5	3.3	25·1	4·5	25·0	3·9	25·9	4·6	26·5	3·6	26·8	3·8	18
19	24·9	3·0	25·3	3·6	24·8	3·6	24·2	3·1	24·1	3·0	24·5	3·2	25·3	3·0	25·7	2·8	19
20	24·8	3·1	25·2	3·4	24·2	2·8	23·8	2·6	23·7	2·7	23·7	2·6	24·5	2·4	24·5	2·3	20
21	23.7	2·6	24·9	3·3	23·3	2·3	23·5	2·5	23·5	2·5	23·1	2·2	24·0	2·1	23·9	1·9	21
22	22·9	2·2	23·4	2·7	23·0	2·0	23·3	2·4	23·1	2·1	22·2	2·0	23·9	1·9	23·3	1·6	22
23	22·5	2·7	22·5	2·5	22·6	1·7	23·0	2·7	22·9	1·9	22·9	1·9	23·9	1·9	23·2	1·6	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	23·2	1·3	23·1	1·9	22·5	1·9	23·0	1·8	23·9	2·8	22·2	2·0	...	...	21·5	1·7	Midnight
1h	22.6	1·5	22·7	1·6	22·3	2·0	23·0	1·5	24·0	2 6	21·5	1·8	...	...	21·4	1·6	1h
2	22·0	1·1	22·6	1·5	22·1	1·8	23·0	1·8	24·0	2·9	21·1	1·7	...	...	21·2	1·6	2
3	21·7	1·4	22·5	1·6	21·8	1·6	22·0	1·2	23·7	2·7	20·9	1·8	...	...	21·0	1·5	3
4	21·5	1·3	22·8	1·5	21·3	1·3	22·1	1·2	23·2	2·3	20·9	1·9	...	...	20·8	1·4	4
5	21·9	1·0	23·1	2·2	20·9	0·9	22·2	1·3	23·0	2·8	21·0	1·5	...	...	20·8	1·4	5
6	22·8	0·9	23·5	2·5	23·9	2·9	21·9	0·8	22·9	2·6	22·9	2·6	...	...	21.6	1·7	6
7	25·9	2·7	24·7	2·7	24·1	2·6	25·1	2·8	24·9	4·0	25·4	3·2	...	...	23·7	2·6	7
8	26·9	3·7	26·8	4·6	26·5	4·6	27·0	4·7	26·1	4·2	27·2	4·5	...	...	25·4	3·9	8
9	27·5	4·0	28·0	5·3	27·9	5·9	27·4	5·3	28·0	6·1	27·8	5·9	...	...	26·5	4·9	9
10	28·3	4·7	28·7	6·2	28·7	7·8	28·0	5·2	28·9	6·8	29·9	6·8	...	...	27·1	5·4	10
11	30·0	6·1	29·0	6·7	28·9	7·2	28·7	6·0	29·0	6·8	30·2	7·1	...	...	27·7	5·8	11
Noon	29·9	6·8	29·8	6·9	28·9	7·4	29·2	6·3	30·2	7·3	31·8	7·8	...	...	28·0	5·9	Noon
13h	30·0	6·9	29·9	7·6	29·1	7·8	29·2	6·4	30·0	7·2	31·9	7·8	...	...	28·1	6·1	13h
14	30·9	7·9	29·5	7·5	29·1	8·1	28·9	6·4	31·5	8·4	31·0	7·1	...	...	27·9	6·0	14
15	29·9	7·3	29·2	7·2	28·4	6·7	29·0	6·6	31·0	7·9	31·2	7·2	...	...	27·5	5·8	15
16	29·1	6·2	29·0	6·8	28·3	6·7	28·0	5·9	29·8	7·3	31·0	7·0	...	...	27·0	5·3	16
17	28·0	5·0	27·7	5·4	27·2	5·3	28·0	5·5	28·9	6·7	29·2	6·0	...	...	26·0	4·5	17
18	26·1	3·8	26·0	4·7	26·1	4·2	26·9	4·8	26·3	4·7	28·5	5·1	...	...	25·0	3·7	18
19	25·1	2·6	25·0	3·9	25·2	3·3	25·9	3·9	25·6	4·0	26·7	3·7	...	...	24·0	2·8	19
20	24·3	2·3	24·0	3·0	24·2	2·7	25·3	3·2	24·5	3·1	25·1	3·1	...	...	23·2	2·4	20
21	23·5	1·7	23·7	2·7	23·8	2·1	25·1	3·2	24·1	2·8	24·2	2·9	...	...	22·6	2·1	21
22	23·4	1·5	23·2	2·3	23·7	2·1	25·0	3·1	23·7	2·6	23·1	2·2	...	...	22·3	1·9	22
23	23 3	1·4	23·0	2·0	23·5	1·8	24·5	2·8	23·5	2·4	22·1	1·9	...	...	22·0	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.)

NOVEMBER 1923.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	871	929	876	924	886	934	906	929	905	926	900	926	893	916	897	908	Midnight
1h	872	928	890	924	886	936	900	942	900	937	900	932	893	917	894	915	1h
2	869	931	892	919	877	935	907	935	906	930	900	938	892	918	895	912	2
3	874	926	883	925	882	927	908	938	906	931	900	930	897	916	893	915	3
4	871	929	877	923	884	939	907	935	900	935	893	936	893	916	892	919	4
5	876	936	868	932	874	940	900	943	900	934	893	933	892	919	893	917	5
6	875	937	887	920	886	936	900	945	900	936	889	926	893	915	892	920	6
7	876	936	871	943	879	951	908	939	900	949	887	934	891	922	894	931	7
8	839	961	872	967	871	970	919	947	900	950	900	972	886	935	891	944	8
9	861	959	885	975	871	971	914	972	900	976	900	979	887	963	912	960	9
10	869	975	874	963	888	957	911	953	910	951	900	958	888	931	900	948	10
11	863	957	874	962	888	958	925	961	916	940	900	958	883	942	909	945	11
Noon	837	963	866	951	888	957	931	975	931	946	911	952	883	941	918	944	Noon
13h	876	957	882	943	883	941	912	957	917	942	900	942	891	945	913	933	13h
14	856	967	886	972	891	944	926	962	910	949	900	954	893	934	917	942	14
15	851	973	878	954	907	936	912	960	917	943	900	956	889	953	916	940	15
16	878	954	853	970	913	932	912	959	913	962	900	954	900	946	915	938	16
17	859	962	871	943	913	966	912	959	911	953	888	957	892	937	910	923	17
18	876	936	876	936	900	948	917	942	908	940	900	951	893	932	911	926	18
19	872	928	883	941	900	942	914	936	908	937	887	933	893	915	900	914	19
20	874	939	882	944	900	931	917	942	907	936	892	919	896	909	898	908	20
21	871	944	883	941	900	947	913	934	907	932	889	927	894	914	899	907	21
22	873	927	883	943	900	939	916	940	910	948	889	926	892	918	898	908	22
23	881	928	887	932	900	929	908	940	900	928	890	923	895	911	890	923	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	895	911	895	911	897	908	894	914	900	907	892	911	893	909	892	908	Midnight
1h	896	909	897	907	896	906	893	916	893	910	890	915	890	915	892	908	1h
2	895	912	896	909	893	910	892	918	888	918	893	909	890	914	900	908	2
3	896	907	896	910	890	915	892	918	893	902	893	909	889	916	893	915	3
4	892	911	894	915	890	924	895	911	890	900	890	915	891	913	890	914	4
5	893	909	891	921	900	913	889	917	892	906	890	915	890	915	891	909	5
6	887	920	893	916	892	920	895	912	889	911	891	912	894	914	892	908	6
7	892	920	900	936	890	923	890	923	890	915	900	935	892	921	887	913	7
8	908	938	915	938	909	945	882	943	900	930	885	938	896	920	900	925	8
9	909	946	918	945	909	945	893	935	900	942	918	918	919	928	887	932	9
10	919	946	913	934	917	941	895	926	908	937	913	920	921	931	908	938	10
11	914	935	916	940	912	931	920	930	906	927	916	916	915	924	885	937	11
Noon	915	939	919	946	914	936	918	927	918	927	919	928	915	924	915	937	Noon
13h	916	939	924	936	917	941	917	942	927	927	918	918	923	935	917	941	13h
14	909	946	911	929	916	939	917	925	924	936	924	916	924	936	914	935	14
15	906	930	915	937	916	939	915	923	917	942	928	911	919	928	926	939	15
16	909	943	914	935	916	939	911	926	907	936	920	920	923	923	913	933	16
17	910	951	914	934	900	939	909	922	906	928	910	915	913	920	914	936	17
18	900	944	908	939	911	929	907	916	994	915	907	907	907	917	900	938	18
19	891	921	900	922	900	921	900	911	892	911	903	907	902	912	895	922	19
20	893	916	900	916	900	910	900	909	894	908	904	909	902	908	896	921	20
21	894	914	900	918	898	911	900	910	894	908	893	916	896	910	896	910	21
22	892	918	900	918	893	916	900	909	891	913	894	915	897	905	887	913	22
23	894	915	900	914	896	910	900	908	893	910	894	915	896	906	892	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.*)

NOVEMBER 1923.

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	892	918	897	908	881	900	890	915	893	917	890	925	895	912	892	920	Midnight
1h	896	909	896	910	884	907	889	905	885	923	890	925	897	907	895	926	1h
2	896	910	895	912	891	904	885	915	880	920	894	931	896	910	900	921	2
3	897	906	896	910	891	909	890	910	882	927	889	927	891	913	904	919	3
4	896	910	896	910	887	913	891	909	883	925	890	923	891	912	900	923	4
5	889	917	896	909	889	911	884	916	880	927	889	928	889	917	900	925	5
6	890	914	897	906	892	910	887	932	889	927	895	924	889	917	900	917	6
7	895	907	897	906	898	911	879	932	886	936	894	931	886	934	911	926	7
8	907	917	915	907	896	910	880	948	888	957	910	947	893	936	918	927	8
9	913	919	910	876	908	892	872	967	900	952	917	941	908	938	925	937	9
10	911	916	914	878	920	880	875	959	900	954	900	948	922	932	925	937	10
11	922	909	917	874	928	881	876	958	909	943	909	944	912	931	925	925	11
Noon	930	920	916	861	921	869	878	952	910	947	913	933	917	926	929	929	Noon
13h	938	900	893	864	900	874	869	974	921	950	908	941	921	931	929	929	13h
14	948	890	900	855	885	903	880	949	917	942	900	949	922	932	922	922	14
15	934	887	876	864	880	880	881	947	900	954	891	945	920	930	919	928	15
16	911	873	882	856	880	870	878	952	912	958	891	942	915	938	918	927	16
17	905	878	887	866	878	867	882	943	907	934	892	939	913	932	919	928	17
18	903	884	891	878	884	876	886	936	891	944	883	941	910	925	912	918	18
19	904	890	895	888	906	913	885	938	892	937	890	925	904	921	903	917	19
20	904	890	897	893	900	915	885	937	894	929	893	915	900	912	900	915	20
21	907	897	897	894	888	918	886	934	900	929	896	910	898	911	897	916	21
22	905	897	891	896	888	905	887	933	894	930	894	913	896	910	892	918	22
23	910	898	882	900	891	909	893	917	890	923	893	917	892	920	896	910	23

Day. / Hour.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	31d. N.	31d. E.	Mean. N.	Mean. E	Day. / Hour.
Midnight	896	920	894	915	894	914	893	915	906	914	902	906	...	...	894	916	Midnight
1h	896	918	892	919	892	918	900	925	908	918	904	909	...	...	893	918	1h
2	898	910	892	918	893	915	900	914	919	919	903	907	...	...	894	917	2
3	898	909	893	916	904	918	900	912	910	915	905	912	...	...	894	917	3
4	896	918	897	914	900	923	900	923	908	918	902	909	...	...	893	919	4
5	898	912	895	926	900	916	898	911	907	916	900	914	...	...	892	920	5
6	900	918	900	922	900	920	900	917	906	913	905	911	...	...	893	920	6
7	900	922	900	932	888	930	906	930	912	918	912	912	...	...	894	927	7
8	915	937	911	928	900	944	915	937	925	925	929	911	...	...	899	938	8
9	922	932	914	936	910	950	933	949	941	941	935	914	...	...	906	943	9
10	922	922	915	937	916	940	915	938	938	938	930	906	...	...	908	937	10
11	927	927	921	932	917	941	929	943	947	932	932	893	...	...	910	933	11
Noon	922	922	914	934	911	955	924	936	943	917	940	900	...	...	912	933	Noon
13h	918	927	915	937	910	948	932	947	933	922	929	871	...	...	912	932	13h
14	923	923	921	931	909	943	936	936	944	918	934	886	...	...	912	932	14
15	918	927	914	935	900	951	927	927	950	921	952	866	...	...	909	931	15
16	914	935	907	935	900	938	930	945	940	916	927	873	...	...	907	931	16
17	911	927	900	938	900	955	923	923	935	914	925	875	...	...	904	928	17
18	906	928	900	946	900	943	932	932	914	921	912	888	...	...	901	926	18
19	903	916	893	934	900	942	915	923	907	916	903	895	...	...	898	921	19
20	897	913	897	913	894	929	912	919	905	912	905	897	...	...	898	917	20
21	896	910	896	919	892	919	911	917	904	910	909	893	...	...	897	917	21
22	891	922	895	923	893	917	913	919	902	909	914	890	...	...	896	918	22
23	894	913	894	915	900	920	906	914	902	911	914	890	...	...	896	916	23

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

NOVEMBER 1923.

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	4·2	4	3·4	6	3·7	9	3·0	9	2·7	8	2·6	6	1·8	6d	0·9	6	1·2	6	1·2	6	0·9	6	1·5	8	0·7	5	1·4	5	1·1	4	1·2
1h	4	4·0	6	2·6	6	3·9	8	4·2	8	3·8	8	3·2	6	1·9	6	1·6	6	1·0	6	0·8	5	0·7	6	1·8	5	1·2	5	1·8	5	1·8	4	1·1
2	4	4·4	6	2·1	5	4·2	9	3·6	9	3·1	8	3·8	6	2·0	6	1·3	6	1·3	6	1·0	5	1·2	6	2·0	5	2·1	5	1·1	5	1·7	8	0·8
3	4	3·7	5	3·0	5	3·2	9	3·9	9	3·2	8	3·0	7	1·6	6	1·7	5	0·8	6	1·1	5	1·8	6	2·0	1	0·8	5	1·1	5	1·9	6	1·7
4	4	4·1	4	3·3	6	4·2	9	3·6	8	3·5	7	3·7	6	1·8	6	2·1	5	1·4	6	1·6	6	2·6	6	1·2	0	1·0	5	1·8	5	1·6	5	1·7
5	5	4·3	4	4·5	5	4·8	8	4·3	8	3·4	7	3·4	6	2·1	6	1·9	5	1·1	6	2·3	8	1·3	5	2·0	3	1·0	5	1·8	5	1·8	4	1·3
6	5	4·5	5	2·4	6	3·9	8	4·5	8	3·6	6	2·8	6	1·7	6	2·2	5	2·4	6	1·8	6	2·2	6	1·3	4	1·5	5	1·5	6	1·5	4	1·1
7	5	4·4	5	5·2	6	5·5	9	4·0	8	4·9	6	3·6	6	2·4	7	3·2	6	2·2	8	3·6	6	2·5	6	2·5	5	1·8	8	3·5	6	2·3	4	1·9
8	4	8·6	6	7·3	6	7·6	10	5·1	8	5·0	8	7·2	6	3·8	7	4·5	9	3·9	10	4·1	9	4·6	6	4·7	8	3·0	6	4·1	7	2·0	8	2·5
9	5	7·1	7	7·6	6	7·7	9	7·3	8	7·6	8	7·9	7	6·4	9	6·1	9	4·7	10	4·9	9	4·6	7	3·6	8	4·2	12	2·6	11	3·4	6	3·4
10	6	8·1	6	6·8	7	5·8	9	5·4	9	5·2	8	5·8	6	3·3	8	4·8	10	5·0	10	3·6	10	4·4	7	2·7	9	3·8	11	2·4	11	3·7	9	3·9
11	5	6·8	6	6·7	7	5·9	10	6·6	10	4·3	8	5·8	6	4·5	9	4·6	10	3·8	10	4·3	10	3·3	11	3·6	9	2·8	12	2·3	11	2·8	6	4·0
Noon	4	8·9	5	6·1	7	5·8	10	8·1	11	5·6	9	5·3	6	4·4	10	4·8	10	4·2	10	5·0	10	3·9	11	3·2	11	3·2	11	3·4	11	2·8	10	4·0
13h	6	6·2	6	4·7	6	4·4	9	5·8	10	4·5	8	4·2	7	4·6	10	3·5	10	4·2	11	4·4	10	4·4	10	4·5	12	3·9	12	2·5	11	4·2	10	4·4
14	5	8·0	7	7·3	7	4·5	10	6·7	9	5·0	8	5·4	7	3·5	10	4·5	9	4·7	10	3·1	10	4·2	11	3·0	11	4·4	13	2·9	11	4·4	10	3·8
15	5	8·8	6	5·9	9	3·7	9	6·1	10	4·6	8	5·6	7	5·4	10	4·3	9	3·1	10	4·0	10	4·2	11	2·7	10	4·5	14	3·0	11	3·4	11	4·7
16	6	5·9	5	8·4	10	3·4	9	6·0	9	6·3	8	5·4	8	4·6	10	4·1	9	4·4	10	3·8	10	4·2	10	2·8	9	3·7	12	2·0	12	3·3	10	3·5
17	5	7·4	5	5·2	9	6·7	9	6·0	9	5·4	7	5·8	7	3·8	10	2·5	9	5·2	10	3·7	8	3·9	10	2·4	9	2·9	11	1·8	11	2·4	10	3·9
18	5	4·3	5	4·3	8	4·8	10	4·5	9	4·1	8	5·1	7	3·3	10	2·8	8	4·4	9	4·0	10	3·1	10	1·8	6	1·6	12	1·0	10	1·9	8	3·8
19	4	4·0	6	4·4	8	4·2	10	3·9	9	3·8	6	3·5	6	1·7	8	1·4	6	2·3	8	2·2	8	2·1	8	1·1	5	1·4	10	0·8	9	1·2	7	2·3
20	5	4·7	6	4·8	8	3·1	10	4·5	9	3·7	6	2·1	6	1·0	7	0·8	6	1·8	8	1·6	8	1·0	8	0·9	5	1·0	10	1·0	9	0·8	7	2·2
21	5	5·3	6	4·4	8	4·7	10	3·6	9	3·3	6	2·9	6	1·5	7	0·7	6	1·5	8	1·8	7	1·1	8	1·0	5	1·0	6	1·8	6	1·1	6	1·1
22	4	3·8	6	4·6	8	3·9	10	4·3	9	4·9	6	2·8	6	2·0	7	0·8	6	2·0	8	1·8	6	1·8	8	0·9	5	1·6	6	1·6	5	0·6	4	1·9
23	5	3·4	6	3·4	8	2·9	9	4·1	8	2·8	6	2·5	6	1·2	6	2·5	6	1·6	8	1·4	6	1·1	8	0·8	5	1·2	6	1·6	5	0·7	6	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	2·0	6	0·9	0	1·9	5	1·8	6	1·9	6	2·7	6	1·3	6	2·2	7	2·0	6	1·6	6	1·5	6	1·7	10	1·5	10	0·6	...	...	1·8
1h	6	1·0	6	1·1	2	1·8	2	1·2	5	2·7	6	2·7	6	0·8	7	2·7	7	1·8	6	2·1	6	2·0	8	2·5	10	2·0	10	1·0	...	...	2·0
2	6	1·1	0	1·3	2	1·0	4	2·2	4	2·9	7	3·2	6	1·1	8	2·1	7	1·0	6	2·0	6	1·7	8	1·4	12	2·7	10	0·8	...	...	2·0
3	6	0·7	6	1·1	4	1·3	4	1·4	5	3·2	6	2·9	5	1·6	9	1·9	7	0·9	6	1·8	9	1·8	8	1·2	11	1·8	10	1·3	...	..	1·9
4	6	1·1	6	1·1	4	1·8	4	2·3	5	3·0	6	2·5	5	1·5	8	2·3	7	1·8	7	1·4	8	2·3	8	2·3	10	2·0	9	0·9	...	...	2·1
5	5	2·0	6	1·0	4	1·6	4	2·3	6	2·9	6	3·0	5	2·0	8	2·5	7	1·2	7	2·7	8	1·6	7	1·1	10	1·8	8	1·4	...	...	2·3
6	5	1·7	6	0·7	5	1·3	6	3·4	6	2·9	7	2·5	5	2·0	8	1·7	8	1·8	8	2·2	8	2·0	8	1·7	10	1·4	10	1·2	...	...	2·2
7	5	0·9	6	0·7	7	1·1	5	3·8	6	3·9	7	3·2	6	3·7	10	2·8	8	2·2	8	3·2	6	3·2	9	3·1	11	2·1	12	1·7	...	..	3·0
8	10	1·9	14	1·7	6	1·1	6	5·2	7	5·8	9	4·8	7	3·7	11	3·3	10	4·0	10	3·0	8	4·4	10	4·0	12	3·5	14	3·1	...	...	4·2
9	11	2·3	22	2·6	20	1·1	6	7·2	8	5·2	10	4·4	9	3·9	11	4·5	11	3·9	10	3·9	9	5·1	11	5·9	12	5·8	14	3·8	...	...	5·0
10	11	1·9	21	2·6	20	2.9	6	6·4	8	5·4	8	4·8	11	3·9	11	4·5	12	3·1	10	4·0	10	4·3	10	4·1	12	5·4	15	3·1	...	...	4·4
11	14	2·4	21	3·1	19	3·4	6	6·3	9	4·4	9	4·5	10	3·3	12	3·6	12	3·8	11	3·8	10	4·4	11	5·2	13	5·7	17	3·3	...	...	4·3
Noon	13	3·6	22	4·2	21	3·7	6	5·7	9	4·8	10	3·5	11	3·1	12	4·2	12	3·2	10	3·7	9	5·6	11	4·4	14	4·6	16	4·0	...	...	4·6
13h	16	3·8	25	3·7	24	2·6	6	8·0	10	5·4	9	4·2	11	3·7	12	4·2	11	3·3	10	4·0	9	4·9	11	5·7	13	4·0	20	4·1	...	...	4·4
14	17	4·9	24	4·5	1	1·5	6	5·3	10	4·5	8	4·9	11	3·9	12	3·1	12	2·3	11	3·7	9	4·4	12	5·2	14	4·8	18	3·7	...	...	4·4
15	18	3·6	27	4·4	28	2·8	6	5·1	8	5·4	7	4·6	11	3·6	11	3·4	11	3·3	10	3·8	8	5·1	12	3·8	14	5·4	19	6·2	...	...	4·5
16	22	2·9	26	4·8	27	3·6	6	5·7	9	5·9	7	4·3	10	4·1	11	3·3	10	3·8	9	3·6	8	3·8	11	5·4	14	4·3	20	3·9	...	...	4·4
17	23	2·3	26	3·6	27	4·0	6	4·7	9	3·5	7	4·0	10	3·4	11	3·4	10	2·9	8	3·8	8	4·5	12	3·3	14	3·8	20	3·5	...	...	4·0
18	23	1·6	26	2·4	27	2·9	6	3·9	7	4·5	6	4·4	10	2·7	11	2·1	9	2·9	8	4·6	8	4·3	12	4·6	11	2·5	20	1·7	...	...	3·3
19	22	1·1	26	1·3	10	1·4	6	4·1	7	3·8	6	2·7	9	2·2	9	1·7	9	1·6	7	3·5	8	4·2	11	2·7	10	1·8	21	0·6	...	...	2·4
20	22	1·1	26	0·8	8	1·5	6	4·0	7	3·0	6	1·7	8	1.2	8	1·5	7	1·3	7	1·3	7	3·0	11	2·2	10	1·3	19	0·6	...	...	2·0
21	18	0·8	26	0·7	5	2·1	6	3·7	8	2·9	6	1·1	7	1.1	7	1·6	6	1·1	7	1·9	6	2·1	11	2·0	10	1·1	19	1·1	...	...	2·0
22	17	0·6	30	1·0	2	1·3	6	3·5	7	3·1	6	1·4	6	1·1	6	2·0	6	2·4	7	2·4	6	1·9	11	2·3	9	0·9	19	1·7	...	...	2·2
23	17	1·0	0	1·8	4	1·3	6	1·9	6	2·5	6	1·9	6	2·2	6	1·1	6	1·4	6	1·6	8	2·0	10	1·5	9	1·1	19	1·7	...	...	1·9

d = direct. r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for NOVEMBER 1923.

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	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	..	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	..	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	..	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	..	...	...
14	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	..	...	...	...	...	...	..	...	...	...	...
15	...	...	1·0	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	..	...	...	..	...	...	...	...
18	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
19	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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 NOVEMBER 1923.

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	0·24	6·1	28·4	3
	3	Belmont	50	0.41	10·4	33·5	3
	4	Poudre d'Or	20	0.26	6·6	27·7	3
	5	Mon Loisir (R.) ...	300	...	...	...	
	6	Mon Loisir S. E.§ ...	300	...	..	...	...
	7	Forbach§	300	0·16	3·8	...	2
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	0·27	6·9	62·7	4
	10	Mont Piton	860	0·39	9·9	62·0	2
	11	Mon Choix	700	0·25	6·4	51·6	1
	12	Antoinette	640	0·78	19·8	59·4	4
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	1·24	31.5	57·4	7
	15	Mon Songe	620	0·59	14·9	70·9	3
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	0·14	3·5	48·5	5
	19	The Observatory ...	179	0·20	4·2	40·2	5
	20	Solitude§	175	...	..	...	...
	21	St. André§	90	...	...	...	...
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy*	10	0·16	4·1	...	1
	25	Esperance (Trébuchet)§	165	0·36	9·1	...	3
	28	Mon Rocher*	...	0·25	6·4	...	2
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	..	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ...	296	0·37	9·4	...	3
	49	Poudre d'Or Station§ ...	172	...	...	...	...
	50	Rivière du Rempart* ...	134	0·14	3·6	...	2
2 & 3	1	Union Régnard§ ...	600	2·45	62·2	68·8	6
	2	Constance d'Arifat L.G.§	100	1·28	32·5	40·4	4
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	2·72	69·1	...	6
	7	Belle Mare*	...	1·42	36·1	...	3
	8	Bel Etang (Lesur)* ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	...	...	...	...
	10	St. Julien E(K. Reetoo)*	...	0·80	20·3	...	5
4	1	Sans Souci	900	3·39	86·1	134·9	10
	2	Etoile	400	3·62	91·9	96·5	6
	3	Beau Champ	20	1·43	36·3	39·4	3
	4	Belle Rive*	400	4·09	103·9	...	7
	5	Olivia	400	4·68	118·9	66·5	7
	6	Deep River*	350	3·57	90·7	...	7
	7	Belle Rose Estate* ...	...	2·58	65·5	...	8
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	4·40	111·8	...	30
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney	20	2·56	64·0	80·0	6
	4	Beau Vallon	60	2·28	58·0	90·9	1
	5	Union Vale	200	3·15	80·0	40·6	5

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	2·12	53·8	...	4
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	4·85	123·2	109·2	10
	2	Tivoli*	1,300	7·56	192·0	...	8
	3	La Flora*	1,050	5·30	134·6	...	6
	4	Britannia*	730	4·05	102·9	87·4	9
	5	Savannah (Mill) ...	200	2·04	51·8	37·1	4
	6	St. Aubin	300	2·18	54·5	71·1	4
	7	Union B.A.St.Félix S.E.§	90	3·41	86·6	65·5	6
	8	Beau Bois	350	3·69	90·0	94·5	4
	9	St. Avold*	900	5·22	132·6	...	8
	10	Terracine§	100	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny*	...	9·74	247·4	...	5
	14	Union S. E.*	...	2·44	62·0	...	1
	15	Fontenelle*	...	2·40	61·0	...	1
	16	Combo§	...	3·21	82·3	...	1
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre	40	2·04	51·8	54·4	5
	3	Beau Champ*	...	6·75	171·4	...	6
	4	Board*	...	2·95	74·9	...	6
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10	...	No returns.	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	4·14	105·2	114·0	9
	3	Mare aux Vacoas ...	1,850	4·99	126·7	134·9	10
	4	La Marie Filter Bed ...	1,700	2·25	57·2	61·7	9
	5	Réunion	1,420	1·28	32·5	79·5	6
12	1	The Manse	850	0·35	8·9	41·9	8
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	1·41	35·8	48·2	21
	4	Alma	1,460	2·77	70·4	118·6	6
	5	Bagatelle	1,250	1·42	36·8	54·6	7
	6	Highlands*	1,300	1·80	45·7	...	8
	7	Trianon	950	0·97	24·5	55·1	4
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	0·67	18·0	...	4
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	0·95	24·2	47·7	7
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	2·10	53·3	...	4
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18·	...	...	...	...

* Normals not available § Record not Received

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RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

DECEMBER 1923

M. HERCHENRODER

Officer in Charge.

Published by Authority of His Excellency the Governor

LIBRARY SEP 8 1925

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1924.

TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of DECEMBER 1923.

Month and Day. 1923.	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force (Unit 1 γ)	List of Earthquakes. Date.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
DEC.	° ′			′													
1	10°53·7	·22974	·30013	5·8	28	15	...	...	...	...	...	...	...	...	...	...	Driving clock out of order.
2	54·3	969	016	5·2	10	13											
3	54·7	978	014	6·4	31	17											
4	53·0	977	009	10·2	74	31											
5	54·3	965	017	4·4	10	14											
6	53·6	983	017	8·1	22	20											
7	54·3	983	020	4·0	26	12											
8	55·5	991	018	6·5	26	13											
9	55·3	988	014	9·0	51	19											
10	54·2	978	017	8·9	29	14											
11	53·7	978	015	9·7	17	11											
12	52.7	984	008	12·1	35	26											
13	54·2	980	010	8·8	31	18											
14	53·4	976	007	8·5	48	22											
15	53·9	975	30000	7·0	10	25											
16	54·1	974	30000	7·3	17	19											
17	53·4	982	29997	5·4	41	12											
18	52·7	974	998	6·9	33	21											
19	54·2	976	995	7·0	40	22											
20	...	...	...	..	...	...											
21	...	...	...	...	...	...											
22	53·9	967	997	6·0	27	13											
23	53·8	967	992	6·2	34	22											
24	54·0	961	995	8·2	43	22											
25	54·7	964	30000	4·9	47	13											
26	55·0	959	002	6·0	51	14											
27	55·2	963	001	7·2	34	16											
28	55·1	970	005	7·4	35	10											
29	55·0	970	001	7·9	33	17											
30	55·2	969	003	5·4	19	15											
31	55·3	968	005	2·4	25	08											
Mean	10·54 22	·22974	·30006	6·99	32·0	17·0	...	...	...	...	...	...	...	...	...	...	...

T=0·37792 : Mean Dip.=θ=52°.33′·65 (X=·22560 : Y=−·04346 : Z=·30006).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of DECEMBER 1923.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Horizontal Force (C.G.S. Unit) Observed Value.	Dip (South). A. M. Observations. Day and Hour.	Dip (South). A. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force. C. G. S. Units.	Dip (South). P. M. Observations. Day and Hour.	Dip (South). P. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
DEC. 7. 9·03	10°54·70	DEC. 10·11·25	·22978	DEC. 7· 9·23	52.33·68	·30025	DEC. 7·12·56	52°33·33	·30017
.13·09	10°51·79	·13·50	·22976	14· 9·39	52°33·15	·30014	...	...	...
14. 9·15	10°57·54	21· 9·58	·23003	19.11.36	52.29.43	·29955	19·13·34	52°30·75	·29957
17.10·56	10°53·21	·13·58	·22986	21.10.30	52.31.18	·30000	...	...	...
.13·52	10°50.33	31· 9·39	·22983	26·11·50	52°32·87	·30004	...	...	...
26.11·35	10°53·47	·13·33	·22972	28· 9·45	52°31·22	·29981	...	...	...
.13·27	10°53 17								

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

DECEMBER 1923.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	54·2	54·0	54·5	54·3	54·3	54·0	54·0	54·0	54·2	54·1	54·1	54·0	54·0	54·1	53·9	54·7	Midnight
1h	53·9	54·2	54·7	54·5	54·5	54·1	54·0	54·9	54·8	54·1	54·1	54·2	54·1	53·9	54·0	54·5	1h
2	53·8	54·3	54·6	54·7	54·3	54·2	54·5	55·0	55·3	54·2	54·0	54·5	54·2	54·1	54·0	54·3	2
3	53·8	54·2	54·7	54·5	54·3	54·4	54·8	55·5	55·5	54·2	54·3	54·7	54·3	54·0	53·9	54·0	3
4	54·1	54·0	54·6	54·5	54·5	54·5	55·0	56·0	55·8	54·5	55·0	54·8	54·4	54·3	54·1	54·0	4
5	54·2	54·5	54·6	54·7	54·7	54·7	55·3	56·7	56·2	56·1	55·7	55·5	55·2	54·7	53·9	54·5	5
6	55·3	54·9	55·3	55·3	55·5	55·9	55·7	58·0	57·8	56·7	56·7	55·9	56·0	55·0	54·5	55·5	6
7	56·0	57·0	57·0	57·1	56·7	57·9	56·3	59·3	59·7	57·2	58·2	57·3	58·2	56·5	57·0	57·3	7
8	55·8	57·7	57·7	57·3	56·3	56·0	56·0	59·0	58·3	56·7	57·5	57·8	59·3	57·7	58·5	58·0	8
9	55·9	56·5	58·2	54·7	55·3	54·0	54·7	56·0	56·0	56·3	54·8	55·5	58·0	57·0	58·0	56·5	9
10	55·5	55·3	57·7	51·8	54·7	52·0	54·3	54·2	54·0	55·0	53·7	52·2	57·0	55·5	55·5	55·5	10
11	54·3	54·1	56·5	48·5	54·0	50·7	54·0	53·3	53·0	53·8	52·0	49·0	55·5	52·3	53·8	54·3	11
Noon	52·9	53·6	54·9	47·1	52·8	50·0	52·3	52·9	52·0	51·0	50·3	46·7	53·0	51·2	53·5	52·7	Noon
13h	51·8	53·0	53·5	47·3	52·3	49·8	52·7	52·8	50·7	48·3	49·5	45·7	50·7	49·5	51·9	51·5	13h
14	50·2	52·5	52·1	48·0	53·2	50·2	53·0	53·1	52·5	49·2	48·5	46·0	50·5	49·2	51·5	50·7	14
15	50·7	53·0	51·8	49·5	53·9	53·0	54·7	55·0	55·0	53·2	50·5	48·3	50·5	49·7	51·5	51·5	15
16	51·5	53·5	52·5	51·0	54·0	54·0	54·5	56·3	56·2	54·1	52·0	49·8	51·2	49·5	51·7	52·5	16
17	53·0	53·8	53·5	52·0	54·2	54·7	54·2	57·0	56·2	55·3	53·2	50·0	52·0	51·8	52·3	53·3	17
18	53·8	53·8	53·8	53·0	54·0	54·5	54·0	56·5	56·0	55·5	53·9	53·0	53·3	52·7	52·7	53·5	18
19	53·8	53·9	53·9	53·9	53·9	54·0	54·0	55·9	55·8	55·0	54·0	53·8	53·9	53·5	53·3	53·5	19
20	53·9	53·7	54·2	54·2	54·0	53·8	54·0	55·5	55·8	54·7	54·2	53·9	53·7	53·7	53·5	53·7	20
21	53·8	53·9	54·1	54·7	53·8	53·5	54·0	55·0	55·7	54·4	53·9	53·9	54·1	53·9	53·5	53·8	21
22	53·7	54·1	54·1	54·5	53·5	53·7	54·0	54·7	55·2	54·3	53·8	53·9	54·5	53·8	53·3	53·8	22
23	54·0	54·1	54·1	54·3	53·9	53·9	54·0	54·5	54·8	54·2	53·8	54·1	54·3	54·1	54·0	54·0	23

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

DECEMBER 1923.

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	072	070	076	077	067	076	082	087	092	066	073	077	077	074	070	075	Midnight
1h	071	069	074	077	068	076	085	089	094	065	074	077	081	075	071	073	1h
2	074	068	073	077	066	077	080	093	095	068	075	078	084	078	071	075	2
3	070	067	073	083	067	079	080	088	095	072	076	078	085	079	072	078	3
4	072	067	073	084	065	077	082	087	094	080	076	083	090	084	069	083	4
5	071	067	074	085	066	080	083	087	093	084	081	082	089	087	073	082	5
6	073	068	073	085	066	080	085	089	094	090	083	082	090	089	072	078	6
7	077	073	077	083	064	077	087	090	095	091	083	083	089	093	077	078	7
8	078	074	084	084	067	083	086	097	096	094	085	081	087	095	077	074	8
9	087	069	093	095	069	087	089	096	105	090	088	084	087	085	075	075	9
10	094	073	099	110	067	094	095	096	108	087	089	090	088	090	078	078	10
11	088	068	097	117	068	096	094	102	107	083	087	100	085	081	079	077	11
Noon	080	065	092	103	068	097	090	104	100	074	078	108	087	075	078	073	Noon
13h	073	064	087	087	067	098	088	102	098	075	083	107	077	078	079	080	13h
14	073	065	080	083	064	095	085	097	097	078	080	098	075	079	077	081	14
15	075	067	075	061	060	087	078	089	094	085	075	090	068	080	076	076	15
16	074	066	068	049	060	080	069	078	089	080	072	082	059	072	078	069	16
17	068	067	068	043	065	077	077	078	091	080	074	077	062	053	079	067	17
18	067	070	073	043	065	077	077	084	087	074	074	076	077	047	076	067	18
19	069	069	074	055	065	077	078	087	071	073	073	078	078	061	072	068	19
20	066	070	075	060	060	077	077	087	064	069	072	077	078	068	073	066	20
21	070	070	073	069	059	078	077	088	057	069	072	076	077	066	078	067	21
22	070	073	077	068	061	078	079	089	059	070	073	075	074	067	077	068	22
23	068	073	078	067	068	079	083	089	064	071	075	073	073	069	074	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	074	071	082	070	...	069	063	059	055	069	062	071	054	067	070	071·6	Midnight
1h	074	071	086	068	...	070	064	051	061	064	083	068	062	066	067	072·6	1h
2	073	070	087	071	...	070	064	057	064	064	062	068	061	067	067	072·6	2
3	073	068	083	070	...	071	064	061	067	072	060	073	062	072	068	073·7	3
4	070	067	079	067	...	068	064	061	073	071	063	073	063	069	067	074·3	4
5	072	067	083	067	...	068	067	066	069	069	071	067	064	071	066	075·3	5
6	072	064	081	068	...	071	068	073	073	072	061	067	070	072	067	076·1	6
7	078	064	083	072	...	074	074	076	074	068	067	074	081	074	076	078·6	7
8	088	067	083	073	...	074	075	078	078	066	060	078	085	074	078	080·2	8
9	104	077	092	074	...	077	083	081	078	073	063	087	087	078	077	083·8	9
10	108	090	097	...	099	082	089	069	081	078	067	092	087	077	080	087·4	10
11	111	097	098	...	102	083	083	078	082	082	067	091	083	074	083	087·6	11
Noon	109	090	095	...	102	077	072	083	073	083	064	073	076	070	079	083·3	Noon
13h	102	083	077	...	097	077	067	076	073	081	055	075	072	068	075	080·1	13h
14	099	078	072	...	087	072	063	075	067	052	049	074	072	067	072	076·5	14
15	090	074	067	...	075	065	059	060	058	035	057	073	073	059	059	071·2	15
16	077	069	058	...	054	057	063	043	049	047	062	061	064	060	059	066·0	16
17	073	074	061	...	052	056	067	040	053	043	061	059	065	067	061	065·7	17
18	070	074	061	...	057	058	065	042	064	035	055	060	060	068	061	065·8	18
19	071	070	059	..	061	058	067	045	055	032	058	058	064	068	060	066·0	19
20	073	067	062	...	062	056	060	045	053	033	067	063	067	062	060	065·8	20
21	071	067	062	...	063	057	059	047	035	038	059	067	065	066	058	065·4	21
22	070	067	062	...	064	057	055	049	045	045	057	062	067	065	058	066·1	22
23	070	079	064	...	067	057	058	049	048	048	078	057	067	067	061	068·1	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 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	116	114	117	113	116	119	119	119	116	118	118	116	113	111	105	101	Midnight
1h	115	116	117	114	117	119	119	118	116	117	118	115	112	111	105	101	1h
2	115	117	117	115	117	120	119	118	115	117	118	116	113	111	105	101	2
3	116	117	117	115	117	120	120	117	115	118	118	115	113	111	102	101	3
4	116	117	118	115	119	121	120	119	116	118	119	115	113	111	105	101	4
5	117	117	119	115	120	122	121	120	118	119	119	115	113	111	102	102	5
6	118	119	120	116	121	124	122	124	123	121	121	115	114	111	111	104	6
7	118	122	122	118	125	126	126	126	124	122	122	118	117	114	112	108	7
8	116	121	122	113	123	119	126	121	118	123	115	115	117	116	105	109	8
9	114	120	119	102	121	113	123	119	115	120	113	108	116	113	096	103	9
10	113	117	114	094	119	110	122	117	113	113	112	105	113	103	094	102	10
11	109	112	107	090	119	110	123	113	111	111	113	096	104	100	090	093	11
Noon	109	109	105	087	114	108	119	113	110	109	112	093	102	094	088	091	Noon
13h	105	111	107	092	111	106	114	113	105	109	113	092	099	096	087	090	13h
14	103	114	111	102	112	112	118	115	105	116	111	093	099	099	089	093	14
15	106	115	111	107	114	113	121	118	107	119	111	100	102	102	091	099	15
16	110	116	113	111	116	116	120	121	110	121	111	102	106	101	096	103	16
17	113	115	112	113	115	118	117	118	111	119	111	108	108	104	097	101	17
18	113	115	111	115	115	118	115	116	110	116	111	111	109	109	099	100	18
19	112	114	112	115	117	117	118	116	113	115	112	110	109	109	100	100	19
20	112	113	113	115	118	117	119	117	114	117	112	110	109	108	100	100	20
21	112	114	112	113	117	117	120	117	116	118	113	110	110	108	100	100	21
22	112	115	113	114	117	118	120	117	117	119	115	112	111	108	101	100	22
23	113	116	113	113	116	118	120	117	117	118	116	113	111	109	102	100	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	100	098	096	095	...	096	096	098	101	101	103	101	106	104	105	108·1	Midnight
1h	100	099	095	095	...	096	096	098	100	101	101	101	105	105	106	108·0	1h
2	100	099	096	095	...	096	096	097	100	101	101	101	105	106	106	108·2	2
3	100	099	097	096	...	096	096	096	101	101	101	101	105	105	104	108·1	3
4	100	100	098	097	...	097	097	097	101	101	101	101	105	105	106	108·7	4
5	100	100	099	098	...	098	098	098	101	102	101	102	105	105	107	109·2	5
6	101	103	101	100	...	100	101	101	103	105	104	103	107	105	107	111·2	6
7	101	105	105	101	...	102	103	103	105	108	107	107	108	107	107	113·1	7
8	099	102	101	098	...	103	101	100	105	107	109	110	106	109	105	111·6	8
9	098	101	099	097	...	102	097	097	104	105	105	109	102	110	103	108·5	9
10	096	101	100	...	...	100	089	092	104	106	103	109	100	110	105	106·0	10
11	091	093	098	...	083	095	087	091	102	103	102	106	094	110	109	102·6	11
Noon	089	084	093	...	079	095	085	083	099	099	099	103	091	103	109	099·9	Noon
13h	091	086	084	...	073	093	082	081	097	095	093	106	091	099	107	098·5	13h
14	092	089	083	...	072	090	081	081	095	094	094	104	092	098	105	099·8	14
15	095	093	087	...	080	091	083	085	092	098	098	102	092	095	105	101·8	15
16	099	097	091	...	088	093	085	089	093	099	099	108	099	097	103	104·4	16
17	100	099	092	...	094	094	087	093	096	101	100	111	102	100	101	105·5	17
18	100	099	095	...	096	095	090	095	097	103	101	111	104	100	103	106·1	18
19	100	099	095	...	097	096	092	097	100	102	101	107	104	101	104	106·4	19
20	091	099	095	...	096	097	092	098	101	103	101	105	102	101	103	106·3	20
21	099	099	095	...	097	097	093	099	102	106	101	105	102	101	104	106·9	21
22	099	099	094	...	097	097	094	099	102	104	101	103	101	102	105	107·2	22
23	099	099	094	...	096	097	097	099	101	103	101	105	101	102	105	107·4	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1923.

Month and Day 1923.	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.		
DEC.	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1009·2	+ 0·7	33·3	21·7	11·6	25·3	+ 0·5	3·0	20·2	+ 1·3	73	+ 3	23·4	16·9	3·5	45	6·1	3·8
2	1009·3	+ 0·8	31·7	21·6	10·1	26·0	+ 1·2	3·5	20·1	+ 1·1	70	0	23·3	16·3	0·0	...	8·5	3·3
3	1010·0	+ 1·6	30·0	21·0	9·0	25·9	+ 1·0	4·2	18·7	— 0·4	65	— 5	21·4	16·4	0·0	...	9·8	3·1
4	1009·9	+ 1·6	31·5	21·2	10·3	25·5	+ 0·6	2.5	21·2	+ 2·1	77	+ 6	24·9	17·4	6·4	80	5·9	6·5
5	1008·3	+ 0·1	31·2	22·6	8·6	25·9	+ 0·9	4·0	19·1	— 0·1	66	— 5	21·9	18·0	0·0	...	9·0	4·4
6	1006·9	— 1·3	31·4	20·6	10·8	25·5	+ 0·5	3·9	18·9	— 0·4	67	— 4	21·6	17·3	0·0	...	9·8	3·2
7	1004·9	— 3·2	31·4	20·5	10·9	25·4	+ 0·3	3·8	18·9	- 0·5	67	— 4	21·6	17·0	0·0	...	9·0	3·8
8	1005·3	— 2·7	30·5	20·1	10·4	24·8	— 0·3	3·4	19·0	— 0·4	70	— 1	21·8	17·0	0·0	...	6·5	5·1
9	1005·8	— 2·2	31·1	20·3	10·8	25·4	+ 0·2	3·9	18·8	— 0·7	67	— 4	21·5	16·4	0·0	...	9·0	2·7
10	1005·3	— 2·6	32·1	20·4	11·7	26·0	+ 0·8	3·9	19·4	— 0·2	67	— 4	22.3	17·1	0·0	...	10·0	3·2
11	1004·1	— 3·7	32·2	21·8	10·4	26·5	+ 1·2	4·1	19·6	0·0	66	— 5	22·6	19·7	0·0	...	10·0	5·6
12	1004·7	— 3·1	31·5	24·0	7·5	26·7	+ 1·4	3·8	20·3	+ 0·6	68	— 4	23·6	22·3	0·0	...	5·6	9·7
13	1005·3	— 2·4	32·0	22·9	9·1	25·8	+ 0·5	3·2	20·3	+ 0·6	72	0	23·6	19·9	0·0	...	5·3	8·4
14	1005·4	— 2·2	32·3	21·2	11·1	25·2	— 0·2	2·7	20·6	+ 0·8	76	+ 4	24·0	18·9	3·4	25	4·6	5·3
15	1004·2	— 3·4	30·4	20·8	9·6	25·5	+ 0·1	2·9	20·6	+ 0·7	74	+ 2	24·0	18·1	0·0	...	4·5	4·8
16	1005·5	— 2·0	34·5	21·4	13·1	27·4	+ 2·0	3·8	21·0	+ 1·1	68	— 4	24·6	18·8	0·0	...	9·0	5·2
17	1006·3	— 1·2	31·7	23·0	8·7	27·2	+ 1·8	3·5	21·3	+ 1·3	70	— 2	25·1	22·4	0·0	...	8·3	5·9
18	1005·4	— 2·0	33·3	23·1	10·2	27·3	+ 1·8	3·5	21·4	+ 1·4	70	— 2	25·2	22·0	2·3	15	7·7	7·0
19	1004·9	— 2.4	32·2	23·2	9·0	27·3	+ 1·8	3·0	22·3	+ 2·2	74	+ 2	26·7	21·5	0·4	10	3·4	6·5
20	1004·3	— 3·0	31·8	23·4	8·4	27·0	+ 1·5	2·7	22·5	+ 2·4	77	+ 5	27·0	21·9	14·1	57	6·4	7·9
21	1004·5	— 2·7	32·4	23·1	9·3	27·2	+ 1·6	2·8	22·5	+ 2·3	76	+ 3	27·0	22·3	2·9	90	7·9	6·0
22	1003·6	— 3·6	32·9	24·2	8·7	27·2	+ 1·6	2·3	23·3	+ 3·1	79	+ 6	28·3	23·2	0·9	30	5·4	8·2
23	1004·3	— 2·8	31·5	23·4	8.1	26·3	+ 0·7	2·4	22·2	+ 1·9	78	+ 5	26·5	21·2	22·1	105	4·6	6·4
24	1005·7	— 1·3	30·1	23·3	6·8	26·5	+ 0·9	4·8	18·2	— 2·1	60	— 13	20·7	20·2	0·0	...	11·0	3·1
25	1004·8	— 2·2	30·9	22·0	8·9	26·5	+ 0·8	4·7	18·6	— 1·7	62	— 11	21·2	18·7	0·0	...	10·0	3·6
26	1003·2	— 3·7	30·5	22·7	7·8	26·8	+ 1·1	3·2	21·4	+ 1·0	72	— 1	25·2	21·1	0·0	...	4·5	5·6
27	1002·3	— 4·5	33·0	23·7	9·3	27·9	+ 2·2	3·2	22·5	+ 2·1	73	0	27·0	21·2	0·0	...	7·0	5·5
28	1003·9	— 2·8	34·2	23·5	10·7	27·9	+ 2·2	2·9	23·0	+ 2·5	74	+ 1	27·8	21·6	0·0	...	5·5	6·5
29	1004·6	— 2·1	33·0	22·7	10·3	27·6	+ 1·8	3·3	22·1	+ 1·6	72	— 2	26·3	21·2	0·2	10	8·7	3·0
30	1003·0	— 3·6	32·3	24·0	8·3	27·6	+ 1·8	3·4	21·9	+ 1·3	71	— 3	26·0	22·0	0·0	...	8·5	4·6
31	1001·9	— 4·7	32·9	20·7	12·2	27·1	+ 1·3	4·3	19·9	— 0·7	65	— 9	23.0	18·4	0·0	...	9·0	5·3
Mean	1005·4	—2·1	31·9	22·2	9·7	26·5	+ 1·1	3·4	20·7	+ 0·8	70·5	— 1·5	24·2	19·6	56·2	457	7·5	5·3
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
...	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 1923.

Previous to to the 23rd of the month, the weather had been abnormally hot: pressure dropped steadily from the fourth and kept low with but slight variations. A long period of calm weather and variable winds was generally experienced. On the 23rd in the afternoon the weather was very unsettled: the resetting of the trades with abnormally high velocities and a consequent sudden drop of 18% in the humidity was observed. On the 26th however previous weather conditions were again established and on the 31st there were distinct indications of cyclonic disturbance north-eastwards.

Air temperature was above normal on all days except the eight and fourteenth. The excess was particularly marked on the 16th, 18th, 27th, 28th, 29th.

Rainfall at the Observatory was again well below normal and distribution very defective: 75% of the total fall was registered between the 18th and 23rd. The percentage variation in the other districts was as follows:

Northern Districts	River System 1,	9 % below
Eastern Districts	,, ,, 2, 3, 4,	15 % ,,
South-Eastern Districts	,, ,, 5 & 6	1 % above
Western Districts	River System 11	5% below
	,, ,, 12	1% above
	,, ,, 13	8% below

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1923

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
DEC.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	7·2	55	0·0	+ 1·1	90	1·1	1·7	— 1·7	24·4	25·1	27·5	28·7	...	28·6	28·9	b. f. :c.g. t.p. : f. .
2	11.7	89	+ 0·7	+ 2·0	109	2·1	2·4	— 1·0	24·6	25·1	27·6	28·7	...	28·7	28·8	f. : c.f. : f. .
3	12·0	91	+ 1·1	+ 2·6	113	2·8	2·9	— 0·5	24·6	25·1	27·7	28·6	...	28·6	28·6	f. .
4	6·5	49	+ 0·7	+ 1·5	115	1·6	2·0	— 1·4	24·6	25·1	27·7	28·6	...	28·4	28·1	f. : c. : o.g.p. .
5	10·3	78	+ 0·8	+ 1·9	113	2·0	2·1	— 1·3	24·5	25·1	27·8	28·4	...	28·4	28·2	c. g.: c . f. .
6	11·7	89	+ 0·5	+ 2·2	103	2·2	2·5	— 0·9	24·5	24·9	27·7	28·5	...	28·3	27·9	f. : c.f. : f.
7	10·5	80	+ 0·5	+ 1·9	105	1·9	2·1	— 1·3	24·6	25·3	27·8	28·5	...	28·4	28·3	f. : c. : c .f. .
8	5·0	38	— 0·3	+ 1·3	77	1·3	1·9	— 1·5	24·7	25·4	27·8	28·4	...	28·1	27·7	f. : o. : c. f. .
9	11·7	88	+ 0·6	+ 2·1	106	2·2	2·4	— 1·0	24·6	25·7	27·9	28 3	...	27·8	27·7	b. f. .
10	11·9	90	+ 0·6	+ 2·1	106	2·2	2·4	— 1·0	24·6	25·6	27·8	28·5	...	28·2	28·5	b. f. .
11	10·4	78	+ 0·9	+ 2·2	112	2·4	2·5	— 0·9	24·6	25·6	27·8	28·8	...	28·9	29·3	f. : c. : c.f.: o. .
12	0·7	6	+ 0·7	+ 1·3	112	1·5	1·6	— 1·8	24·6	25·7	27·9	29·1	...	29·1	29·3	c. : o. .
13	0·4	3	— 0·4	+ 0·9	66	0·9	1·6	— 1·8	24·6	25·7	28·1	29·0	...	28·8	29·0	c.g. o. t. : c. :
14	5·3	40	— 0·1	+ 0·4	76	0·4	1·5	— 2·0	24·6	25·7	28·2	28·6	...	28·3	28·3	f. : o. o.g.r.: f .
15	4·0	30	— 0·2	+ 0·1	27	0·2	1·6	— 1·9	24·6	25·7	28·1	28·4	...	27·9	27·6	b. f. : c.f. . o.: c. f .
16	11·3	85	+ 0·7	+ 0·2	164	0·7	2·1	— 1·4	24·7	25·9	28·0	28·2	...	28·2	28·6	b. f. : c.f. : o. .
17	7·0	57	+ 0·4	— 0·3	217	0·5	1·8	— 1·7	24·7	25·9	28·0	28·9	...	29·0	29·5	f. : o. .
18	7·8	59	+ 0·4	— 0·9	246	0·9	2·1	— 1·4	24·7	25·9	28·1	29·1	...	28·3	29·7	c.f. : c.p. c.f.: o.: c .
19	7·9	60	+ 0·8	— 1·6	243	1·8	2·0	— 1·5	24·7	25·9	28·2	29·0	...	29·7	30·1	c.p: o. : c.f. : f: .
20	8·1	61	— 0·1	— 1·8	273	1·8	2·2	— 1·3	24·7	26·2	28·4	29·6	...	29·8	29·7	o.g.r. : o. :c.f . .
21	10·4	78	— 0·6	— 0·8	307	1·0	2·1	— 1·4	24·7	25·9	28·5	29·4	...	30·1	30·3	c.pt.: c.f. : o.g.r. lt .
22	5·7	43	0·0	— 0·7	270	0·7	1·4	— 2·1	24·7	25·9	28·6	29·8	...	30·1	30·0	o.g. p. : c. f. .
23	3·8	29	— 1·2	+ 0·7	30	1·4	2·2	— 1·3	24·7	26·1	28·7	29.6	...	29·4	29·2	f. : t. o.r. : c. l. .
24	12·1	91	— 2·6	+ 4·4	59	5·1	5·2	+ 1·7	24·7	26·1	28·8	29·1	...	28·5	28·2	f. : c.f. .
25	11·8	89	— 1·4	+ 2·8	63	3·1	3·3	— 0·2	24·7	26·1	28·6	28·4	...	28·6	28·7	f. : c.f. : f. .
26	5·2	39	— 0·5	+ 0·9	61	1·0	1·5	— 2·0	24·7	26·1	28·5	28·5	...	28·6	28·7	c. f. : c. : f .
27	8·4	63	+ 1·5	— 0·8	208	2·7	2·1	— 1·4	24·7	26·4	28·5	28·4	...	28·8	29·3	f. : c . : f. .
28	9·3	70	+ 1·6	+ 0·2	173	1·6	2·2	— 1·3	24·7	26·2	28·4	28·8	...	29·4	29·8	c.f. : o. l. .
29	12·0	90	+ 0·8	+ 1·7	115	1·9	2·1	— 1·4	24·7	26·2	28·6	29·3	...	29·6	29·8	: f. : c.f. : f . .
30	8·2	62	+ 0·6	+ 2·1	106	2·2	2·3	— 1·2	24·7	26·1	28·7	29·6	...	29·6	29·7	f. : c.f. : o. .
31	10·6	80	— 0·6	+ 1·0	59	1·2	2·1	— 1·4	24·7	26·4	28·8	29·5	...	29·6	29·7	c. ; c.f.. ; c. :f .
Mean	8·37	63·2	+0·19	+0·99	100·9	1·06	2·19	—1·27	24·64	25·75	28·16	28·85	...	28·87	29·01	...
Average	8·30	62·2	—0·10	+2·60	87·8	2·60	3·46	...	24·84	25·73	...	...	...	27·09	27·28	...
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 DECEMBER 1923.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1011·0 m.b.s.	at	8h	on 4th	1000·6 m.b.s.	at	17h	on 31st
Temperature of the Air	34·5°C		.	on 16th	20·1°C		...	on 8th
Daily range of temperature of the Air...	13·1°C		...	on 16th	6·°8C		...	on 24th
Temperature of the Dew Point	25·9°C	at	11h	on 22nd	14·°8C	at	14h	on 31st
Daily range of temperature of the Dew Point	1·2°C		...	on 7th	7·°7C		...	on 31st
Relative humidity...	94·3%	at	6h	on 21st	33·7%	at	14h	on 31st
Wind Velocity	7·4 m.p.s.	at	14h	on 24th	0·6 m.p.s.	often		...
Rainfall	22·1 mm.	ending	18h	on 23rd	...		...	...
Temperature of the soil at 3 ins. ...	32·7°C	at	18h	on 21st	25.2°C	at	6h	on 9th
,, ,, at 6 ins. ...	31·3°C	at	18h	on 21st	26·6°C	at	9h	on 8th
Duration of sunshine	12·1h		...	on 24th	...		0·4h	on 13th
Amount of Evaporation	11·0 mm.		...	on 24th	3·4 m.m.		...	on 19th
Vapour Tension	28·3 mbs		...	on 22nd	20·7 m.p.s.		...	on 24th
Minimum on Grass	...		...	...	16·3		...	on 2nd

Number of Days Overcast 5, Clear 2, of Rain 10, of Lightning 2, of Thunderstorm 3.

Mean Day Temperature of Air 28·°89C, Average 27·69°C, Mean Night Temperature of Air 24·07°C, Average 23·68°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.)

DECEMBER 1923.

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	0100	0099	0105	0110	0099	0086	0069	0056	0065	0067	0056	0055	0057	0066	0048	0053	Midnight
1h	0095	0094	0098	0108	0088	0077	0060	0050	0057	0064	0046	0049	0049	0056	0041	0048	1h
2	0090	0089	0095	0104	0084	0070	0054	0046	0054	0060	0046	0046	0044	0048	0037	0044	2
3	0088	0090	0095	0102	0080	0066	0048	0044	0050	0054	0040	0040	0043	0047	0035	0043	3
4	0090	0087	0096	0100	0080	0067	0046	0046	0048	0049	0038	0040	0044	0045	0035	0044	4
5	0090	0089	0099	0097	0077	0068	0047	0049	0046	0048	0037	0046	0045	0049	0038	0046	5
6	0095	0092	0105	0104	0084	0075	0051	0051	0055	0051	0045	0051	0050	0055	0046	0051	6
7	0097	0096	0109	0109	0086	0078	0059	0055	0061	0055	0045	0055	0053	0057	0050	0055	7
8	0099	0096	0109	0110	0086	0079	0057	0057	0065	0056	0044	0053	0055	0059	0051	0060	8
9	0097	0096	0109	0108	0087	0078	0056	0059	0067	0057	0044	0047	0057	0058	0050	0061	9
10	0095	0096	0108	0105	0085	0079	0053	0059	0067	0055	0043	0045	0054	0057	0049	0061	10
11	0088	0094	0108	0102	0081	0077	0050	0054	0065	0054	0041	0045	0051	0057	0046	0059	11
Noon	0085	0088	0105	0097	0081	0072	0047	0050	0060	0050	0040	0046	0050	0057	0038	0056	Noon
13h	0079	0085	0098	0091	0077	0067	0041	0047	0056	0049	0037	0044	0042	0055	0035	0051	13h
14	0079	0081	0092	0089	0075	0059	0036	0043	0051	0047	0031	0041	0045	0051	0032	0047	14
15	0084	0075	0086	0086	0067	0056	0035	0041	0046	0041	0028	0037	0047	0050	0031	0046	15
16	0081	0080	0081	0084	0067	0054	0031	0040	0044	0040	0027	0037	0048	0047	0028	0045	16
17	0085	0081	0087	0085	0071	0053	0032	0041	0047	0043	0029	0039	0051	0047	0030	0047	17
18	0087	0087	0089	0090	0080	0057	0038	0047	0050	0048	0035	0045	0050	0051	0036	0055	18
19	0091	0097	0096	0095	0083	0061	0049	0055	0056	0053	0040	0047	0055	0055	0042	0058	19
20	0097	0103	0098	0101	0091	0070	0053	0061	0062	0057	0041	0052	0061	0057	0049	0067	20
21	0100	0108	0108	0102	0095	0074	0057	0067	0070	0060	0047	0056	0068	0057	0051	0071	21
22	0105	0110	0115	0105	0097	0076	0061	0070	0076	0062	0052	0057	0071	0059	0056	0073	22
23	0103	0109	0113	0103	0091	0075	0060	0071	0073	0059	0056	0058	0069	0056	0056	0074	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	0068	0066	0058	0053	0050	0051	0039	0056	0063	0045	0029	0039	0055	0049	0027	1006·2	Midnight
1h	0064	0057	0055	0047	0045	0040	0034	0052	0056	0041	0025	0033	0053	0043	0026	1005·6	1h
2	0057	0054	0049	0043	0038	0035	0033	0047	0051	0035	0019	0031	0048	0037	0218	1005·2	2
3	0054	0049	0045	0039	0036	0034	0034	0045	0053	0033	0015	0029	0045	0033	0017	1004·9	3
4	0055	0053	0044	0038	0035	0034	0030	0046	0049	0027	0014	0026	0042	0033	0014	1004·8	4
5	0058	0053	0048	0039	0038	0035	0034	0053	0050	0029	0016	0027	0045	0033	0015	1005·0	5
6	0065	0057	0053	0046	0044	0035	0039	0057	0057	0035	0023	0035	0047	0039	0019	1005·5	6
7	0070	0065	0058	0049	0048	0043	0044	0060	0059	0038	0026	0030	0049	0044	0025	1005·9	7
8	0072	0068	0064	0052	0050	0045	0045	0069	0057	0041	0026	0044	0051	0045	0029	1006·1	8
9	0073	0069	0063	0052	0053	0047	0046	0068	0056	0043	0026	0045	0053	0045	0028	1006·1	9
10	0073	0064	0061	0050	0053	0045	0045	0066	0053	0041	0025	0043	0055	0044	0026	1006·0	10
11	0069	0058	0055	0049	0050	0040	0048	0064	0050	0037	0024	0037	0053	0039	0022	1005·7	11
Noon	0066	0051	0050	0044	0048	0037	0044	0058	0047	0034	0018	0032	0049	0033	0014	1005·3	Noon
13h	0066	0046	0044	0038	0043	0029	0035	0058	0041	0028	0014	0031	0044	0026	0008	1004·9	13h
14	0056	0044	0038	0030	0037	0025	0035	0052	0038	0024	0011	0029	0037	0019	0008	1004·5	14
15	0050	0039	0033	0029	0034	0019	0034	0047	0036	0023	0009	0026	0034	0015	0007	1004·2	15
16	0046	0036	0035	0028	0032	0022	0032	0047	0039	0019	0008	0027	0029	0009	0007	1004·0	16
17	0051	0039	0037	0029	0038	0019	0035	0050	0040	0018	0009	0031	0027	0007	0006	1004·2	17
18	0055	0047	0039	0032	0045	0026	0043	0055	0040	0024	0016	0039	0032	0009	0013	1004·7	18
19	0064	0053	0044	0039	0046	0035	0049	0059	0042	0028	0026	0050	0044	0015	0019	1005·3	19
20	0068	0055	0048	0045	0049	0037	0056	0065	0047	0029	0033	0056	0047	0023	0016	1005·8	20
21	0069	0058	0049	0049	0053	0044	0058	0067	0049	0031	0036	0059	0049	0028	0029	1006·2	21
22	0073	0063	0055	0055	0057	0046	0061	0066	0050	0036	0043	0063	0055	0030	0033	1006·6	22
23	0070	0064	0055	0054	0056	0045	0062	0066	0048	0034	0045	0063	0055	0032	0035	1006·5	23

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

Hour. \ Day.	DECEMBER 1923.																															
	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	1	1	4	6	1	0	0	0	1	3	7	9	4	0	1	5	6	5	6	8	9	6	3	2	3	0	2	7	1	6	3·4
1h	1	2	1	3	5	1	1	1	0	1	3	8	9	2	0	0	3	4	7	7	8	7	6	1	3	3	1	2	7	1	6	3·4
2	2	1	2	2	6	2	1	1	1	1	2	9	8	1	0	0	2	4	7	8	6	8	5	1	4	5	4	3	4	2	6	3·5
3	2	2	2	1	7	2	1	2	1	1	2	9	8	1	0	0	1	5	8	10	5	10	3	1	4	8	8	4	2	3	7	3·9
4	2	2	3	2	6	2	2	2	1	1	2	10	8	1	1	1	1	5	8	10	6	10	3	1	2	6	7	5	1	2	7	3·9
5	1	2	4	3	6	2	3	2	2	1	2	10	8	1	2	1	1	5	8	9	4	8	3	2	3	4	6	6	1	2	7	3·8
6	1	2	3	3	7	5	9	9	3	2	8	10	10	2	2	2	2	9	9	9	4	9	2	2	3	4	5	7	2	3	7	5·0
7	2	3	4	5	8	4	8	9	4	3	8	10	10	2	2	2	2	9	9	9	5	9	3	2	3	4	6	9	2	3	6	5·3
8	3	4	4	5	6	3	7	8	4	3	6	10	9	4	5	4	3	9	9	9	2	10	5	5	3	5	7	9	2	4	3	5·5
9	1	8	3	5	5	4	7	8	5	3	7	9	9	6	5	5	5	8	9	9	3	10	7	7	4	5	8	9	2	5	3	6·0
10	2	8	3	6	2	4	6	8	4	5	6	10	10	7	5	6	7	8	9	8	3	10	8	5	6	7	6	8	1	4	3	6·0
11	2	8	4	7	3	3	5	9	3	5	5	10	10	8	6	6	8	6	8	8	3	10	8	4	7	7	7	8	3	4	3	6·1
Noon	5	7	4	7	2	3	5	9	2	4	4	10	9	10	6	5	9	6	5	8	3	10	6	3	7	8	8	9	2	4	5	6·0
13h	5	3	5	7	4	3	4	8	4	2	3	10	9	10	7	6	10	5	5	8	3	9	7	4	6	7	7	6	2	3	2	5·6
14	6	5	5	9	4	3	3	8	6	2	3	10	9	10	7	7	10	5	5	8	3	8	8	4	5	7	8	5	4	3	2	6·0
15	9	4	3	10	4	3	4	8	6	3	4	10	9	9	9	8	8	9	7	9	8	8	8	4	4	9	8	5	7	2	9	6·7
16	9	4	3	10	5	4	4	8	5	4	6	10	9	9	9	7	8	9	7	9	8	9	10	4	3	8	8	6	5	6	9	6·9
17	9	3	4	10	5	7	5	6	4	6	7	10	9	9	9	8	8	9	6	9	9	7	10	3	3	8	7	6	4	9	8	7·0
18	9	3	3	10	6	8	5	4	2	7	9	10	9	10	9	9	9	9	5	9	10	5	10	4	2	9	7	6	4	9	8	7·1
19	9	2	2	10	4	8	4	4	2	6	8	10	9	10	8	9	9	9	5	7	8	7	9	3	3	8	5	6	6	9	9	6·7
20	6	1	2	10	3	2	3	3	1	5	9	10	6	8	7	9	8	9	4	4	7	6	8	4	2	5	4	7	4	8	4	5·4
21	3	1	2	9	2	2	2	2	2	4	10	10	7	2	7	9	8	9	3	5	10	5	7	4	2	4	2	9	2	7	3	5·0
22	2	1	2	9	1	1	1	2	1	4	8	10	6	1	5	9	8	7	3	5	9	7	8	2	2	2	2	8	1	7	3	4·4
23	1	1	3	7	1	1	0	1	1	3	8	10	5	1	3	8	7	6	5	6	9	7	5	2	2	1	1	9	1	7	2	4·0

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

Hour* Ending \ Day.	DECEMBER 1923.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	10	5	5	5	0	0	0	0	16	15	15	0	0	20	0	25	23	10	8	0	10	0	20	15	5	7	10	0	10	0	0	3·9
7	60	60	55	60	20	42	10	18	50	57	36	0	0	50	52	56	54	18	12	9	45	0	47	50	52	53	36	40	45	32	45	19·4
8	60	55	45	50	60	60	55	58	60	60	54	0	0	60	60	60	60	2	32	20	60	0	60	60	60	60	38	30	60	58	60	24·3
9	60	60	60	45	60	60	60	60	60	60	56	15	2	12	58	60	55	14	0	30	60	0	50	60	60	40	36	28	60	55	60	23·3
10	60	35	60	60	60	60	60	58	60	60	50	10	3	50	36	60	24	38	6	60	60	0	20	60	60	45	60	48	60	50	60	23·9
11	60	58	60	60	60	60	60	50	60	60	60	0	0	60	22	55	6	40	15	55	60	0	2	60	60	25	60	50	60	60	60	23·3
Noon	55	60	60	55	60	60	60	19	60	60	60	0	0	24	12	33	40	52	40	40	60	8	0	60	60	20	50	55	60	60	60	22·4
13h	45	60	60	55	60	60	60	5	57	60	60	0	13	0	0	51	26	60	60	55	60	55	2	60	50	10	60	60	60	60	60	23·1
14	15	60	60	0	60	60	60	0	58	60	60	7	6	0	0	60	20	60	60	60	60	50	20	60	60	0	40	60	60	60	60	21·6
15	0	60	60	0	60	60	60	3	45	60	60	0	0	0	0	55	58	60	60	58	60	52	0	60	60	0	38	60	60	45	55	20·8
16	5	60	60	0	60	60	60	32	53	60	60	10	0	15	0	60	60	45	60	50	60	60	0	60	60	0	60	60	60	12	58	21·7
17	0	60	60	0	58	60	60	0	60	60	30	0	0	29	0	60	30	56	60	12	30	60	0	60	58	17	15	55	60	0	58	18·5
18	0	60	60	0	0	50	27	0	50	34	22	0	0	0	0	42	0	12	60	35	0	50	0	60	50	28	2	10	56	0	0	11·8
19	0	10	15	0	0	10	0	0	10	6	0	0	0	0	0	0	0	0	2	0	0	5	10	3	10	5	0	0	10	0	0	1·6

The total amount of registered sunshine was 259·5 hours and the total possible sunshine 411·5 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 1923.

Day. / Hour.	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	21·8	1·6	23·0	1·5	24·0	2·7	24·0	2·5	24·0	1·5	22.0	2·0	21·5	1·5	22·0	2·0	Midnight
1h	21·4	1·3	23·0	1·3	23·7	2·6	...	...	...	...	...	...	...	...	...	...	1
2	21·5	1·4	22·6	1·2	24·0	2·8	...	...	...		...	...		...	...	...	2
3	21·0	1·0	22·0	0·9	23·4	2·5	22·2	1·8	23·0	1·1	20·8	1·4	21·2	1·2	20·2	1·2	3
4	21·0	1·1	21·9	1·0	22·0	2·3	...	...	...	...	...	...	...	...	...	...	4
5	20·9	1·1	21·6	1·1	21·3	2·1	...	...	...	...	...	...	...	...	...	...	5
6	21·2	1·0	22·7	1·0	21·5	1·9	24·0	2·1	23·2	1·2	22·8	1·6	21·8	1·4	21·0	1·0	6
7	25·2	2·2	25·7	2·0	25·3	3·6	...	...	...	...	...	...	...	...	...	...	7
8	27·3	5·2	26·2	2·7	27·1	4·6	...	...	...	...	...	...	...	...	...	...	8
9	28·5	5·3	27·2	3·8	27·9	5·9	29·0	4·0	28·5	6·3	28·7	5·7	28·5	5·7	29·0	6·7	9
10	29·9	6·6	27·7	4·3	28·9	6·4	...	...	...	...	...	...	...	...	...	...	10
11	30·7	7·2	29·7	6·1	29·2	7·9	...	...	...	...	...	...	...	...	...	...	11
Noon	30·0	6·8	30·0	6·3	29·3	7·6	30·0	4·5	30·1	7·4	29·5	5·7	29·8	6·3	28·6	5·6	Noon
13h	30·0	6·3	31·2	7·5	29·1	6·9	...	...	...	...	...	...	...	...	...	...	13h
14	29·5	5·9	30·2	7·0	29·1	6·9		...	...	...	...	...	...	...	...	...	14
15	26·0	2·7	30·1	6·6	29.0	6·8	24·8	1·4	29·3	7·1	30·3	7·6	29·8	7·0	28·0	4·4	15
16	26·2	2·1	29·5	6·4	28·0	5·5	...	..	...	...	...	...	...	...	...	...	16
17	26·7	2·7	28·0	4·9	27·0	4·1	...	...	...	...	...	...	.	...	...	...	17
18	26·2	2·3	26.7	4·0	26·0	2·8	25·6	2·4	25·9	3·9	26·0	5·5	26·2	4·0	25·8	2·6	18
19	25·4	1·7	25·7	3·6	25·6	2·8	...	...	...	...	...	...	...	...	...	...	19
20	24·6	1·6	25·3	3·1	25·2	2·8	...	...	...	...	...	...	...	...	...	...	20
21	24·2	1·3	25·1	3·2	24·9	3·0	24·0	1·2	23·5	2·5	23·5	2·5	23·8	2·8	23·1	2·6	21
22	23·7	1·2	24·5	2·7	25·5	3·8	...	...	...	...	...	...	.	...	...	...	22
23	23·3	1·4	24·7	2·9	25·3	3·7	...	...	...	...	..	...	...	...	...	...	23

Day. / Hour.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	22·0	2·0	22·0	2·0	23·2	1·7	24·0	1·8	24·0	1·0	22·0	1·0	22·0	1·0	23·0	1·0	Midnight
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1h
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
3	20·3	1·0	20·4	1·3	22·0	1·3	24·3	2·3	23·5	1·7	21·8	1·5	20·9	0·9	22·0	1.0	3
4		...		...	...	...	...	...	...	...	...	...	...	...	...	...	4
5	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	5
6	23·5	1·7	23·8	0·9	24·0	1·8	24·7	2·0	24·2	1·4	24·2	2·0	23·2	1·0	24·2	2·2	6
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
8	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	8
9	29·2	6·4	29·0	6·2	28·2	5·4	28·5	5·8	27·6	4·6	28·8	4·8	28·9	5·1	30·7	5·7	9
10	..		...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
Noon	29·8	6·0	30·3	6·3	30·5	7·5	29·3	6·1	30·9	6·7	29·5	59	29·3	5·6	31·6	5·7	Noon
13h	...		...	...	...		...	...	...	...	...	...	...	...	...	...	13h
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14
15	29·1	7·0	29·8	7·0	29·8	7·5	29·8	5·3	26·8	3·8	25·9	2·5	28·0	5·2	32·3	7·3	15
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17
18	26·0	4·2	26·6	4·6	27·0	4·0	26·8	4·6	26·0	3·8	25·0	1·7	25·9	2·1	28·4	4·1	18
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20
21	22·8	2·5	25·0	2·5	26·0	3·0	25·5	2·5	24·0	2·5	23·6	1·3	24·8	1·8	26·0	30	21
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	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 1923

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	24·2	1·2	24·0	1·3	24·1	1·9	25·2	2·5	24·1	1·0	24·9	1·1	25·0	1.2	24·9	2·8	Midnight
1h	24·1	1·2	23·9	1·3	23·9	1·8	24·7	1·8	23·9	1·0	24·9	1·2	24·3	1·0	24·5	2·6	1h
2	23·5	1·0	23·5	1·4	24·4	2·3	24·7	1·9	23·7	0·8	24·8	1·2	24·1	1·0	24·0	2·8	2
3	23·5	0·9	23·5	1·4	24·9	2·0	24·2	1·0	23·4	1·0	24·8	1·2	24·1	1·1	24·0	2·4	3
4	23·3	1·3	23·5	1·4	23·8	1·1	23·8	1·0	23·1	0·8	24·3	0·8	24·0	1·1	23·9	3·7	4
5	23·0	1·3	23·4	1·3	23·5	1·4	24·0	1·0	23·8	0·7	24·7	0·9	23·5	1·0	23·6	3·6	5
6	24·8	2·8	25·0	2·0	23·7	0·8	24·1	1·0	24·1	0·6	25·0	1·1	24·7	1·9	23·9	3·2	6
7	26·9	3·3	26·1	2·1	26·0	1·7	25·2	1·3	26·1	1.2	25·8	1·6	26·9	2·3	25·5	4·4	7
8	28·3	3·7	26·1	2·2	27·9	2·7	26·0	1·5	28·1	2·7	26·9	1·6	28·6	4·1	27·3	5·6	8
9	29·8	4·8	26·9	2.7	28·7	3.3	28·0	1·8	29·0	3·9	26·9	1·6	30·6	4·9	28·1	5·9	9
10	30·5	5·5	29·3	4·0	29·2	4·2	29 5	3·6	29·9	4·6	26·7	1·6	29·0	4·0	29·1	6·6	10
11	30·0	5·9	31·0	5·8	30·7	5·0	30·5	4·9	31·0	5·3	27·2	1·4	28·9	4·7	29·5	6·6	11
Noon	32·5	7·4	32·2	7·0	31·6	6·4	30·6	5·4	31·9	6·0	29·3	3·6	27·0	1·7	29·3	6·2	Noon
13h	28·2	4·5	32·5	7·4	32·2	6·5	30·5	4·8	32·0	6·2	30·2	4·2	29·2	4·3	29·8	7·6	13h
14	29·6	4·8	32·3	7·2	32·0	6·1	30·1	4·6	32·1	6·2	31·6	5·3	30·0	5·4	29·7	7·4	14
15	32·0	7·0	31·9	6·3	31·8	5.7	29·9	4·8	32·2	6·1	31·3	5·3	25·6	1·7	29·1	6·7	15
16	31·3	6·3	30·5	5·5	30·8	4·6	30·0	4·8	31·7	6 1	30·6	4·6	26 8	1·2	29·1	6·6	16
17	29·8	5·0	29·9	5·0	29·8	3·8	28·9	3·8	28·6	3·6	30·1	4·3	27·0	1·7	28·0	6·0	17
18	28·3	3·8	28·7	4·5	28·7	3.2	28·1	3·2	26·9	2·1	29·1	3·6	25·5	1·6	27·0	4·9	18
19	27·6	3·5	27·7	3·7	27·5	2·4	27·2	2·6	25·2	1·5	28·1	2·6	25·6	2·1	25·9	4·4	19
20	26·0	2·4	27·3	3 3	26 9	2·1	26·7	2·2	25·2	1·5	27·2	2·1	25·4	2·1	25·2	3·7	20
21	25·9	2·5	26·4	2·9	26·0	2·0	25·8	1·8	25·3	1·4	26·3	1·7	25·3	2·2	25·1	3·9	21
22	25·0	2·0	25·4	2·3	25·6	2·5	25·2	1·5	26·0	1·9	26·0	1·7	25·1	2·3	24·9	3·7	22
23	24·7	1·8	25·0	2·2	25·9	3·2	24·9	1·7	25·1	1·4	25·7	1·6	24·9	2·3	24·8	3·6	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	3·9	24·8	2·2	24·7	1·3	24·3	1·4	25·1	1·2	25·5	1·5	24·0	1·6	23·7	1·7	Midnight
1h	23.5	3·5	24·9	2·0	24·9	1·4	23·8	1·5	24·9	1·1	25·3	2 0	23·3	1·6	23·5	1·7	1h
2	23·3	3·4	24·2	1·5	24·2	1·0	23·9	1·0	24 8	1·2	25·4	2·0	22·7	1·6	23·2	1·7	2
3	22·3	2·8	24·1	1·2	24·0	0·9	23·8	1·0	24·3	1·0	25·7	2·0	22·3	1·6	22·8	1·4	3
4	22·1	2·8	23·9	1·7	24·3	1·1	23·5	0·8	24·1	1·1	25·8	2·1	21·0	1 0	22·8	1·6	4
5	22·0	2·9	23·1	1·4	23·9	0·8	24·0	0·9	23·7	1·2	25·2	1·7	20·7	0·9	22·8	1·5	5
6	23·6	2·4	23·0	1·5	25·3	2·1	25·0	1·0	23·9	0·9	25·0	1·7	22·0	0·9	23.7	1·6	6
7	26·0	4·5	26·9	3·0	26·8	1·7	27·1	1·6	26·5	1·9	26·1	1·8	24·2	1·6	26·0	2·6	7
8	27·8	5·6	28·2	4·5	28·0	3·0	27·6	1·7	28·1	3·8	28·3	3·8	27·7	4·6	27·5	3·8	8
9	28·8	6·6	28·9	4·8	29·6	3·7	28·3	2·4	29 2	4·4	29·7	5·4	29·2	6·0	28·7	4·8	9
10	29·5	6·6	29·4	4·6	30 2	4·4	29·0	3·0	30·1	5·0	30·2	5·2	30·0	6·1	29·3	5·1	10
11	30·1	6·9	29·8	5·3	31·8	5·6	31·2	4·3	30·5	5·8	30·3	5·7	31·2	7·9	30·0	5·9	11
Noon	29·8	6·7	28·9	3·7	32·2	5·9	31·0	4·1	32·0	6·8	32·0	6·9	32·0	9·0	30·3	6·0	Noon
13h	29·5	6·6	29·0	3·7	32·9	6·0	31·8	4·9	31·8	6·7	31·7	6·2	32·2	9·3	30·3	6·1	13h
14	30·4	7·5	29·0	4·1	31·8	5·9	32·6	5·5	31·3	5·4	31·6	6·3	32·9	11·1	30·3	6·2	14
15	30·3	7·3	29·2	5·3	32·1	6·0	33·3	7·2	30·9	5·7	31·5	6·4	31·6	6·8	29·7	5·7	15
16	29·7	6·6	28·9	5·0	31·8	6·1	31·5	5·6	30·3	5·3	29·1	4·2	30·7	6·5	29·1	5·1	16
17	28·4	5·9	28·9	4·8	30·2	4·8	30·3	4·4	29·2	4 2	28·1	3·5	30·7	6·4	28·3	4·4	17
18	27·9	6·0	28·3	4·2	29·0	3·8	29·8	4·3	28·0	3·2	27·7	3·7	28·5	4·8	27·2	3·7	18
19	26·9	4·8	27·2	3·5	28·2	3·1	28·8	3·5	27·4	2·6	26·7	2·7	27·1	3·8	26·3	3·1	19
20	25·9	3·7	26·6	2·8	27·0	2·5	27·7	2·6	26·9	2·3	26·2	2·1	27·0	3·5	25·6	2·5	20
21	25·0	2·9	25·8	2·5	25·9	2·0	27·1	2·4	26·2	2·1	25·7	1·8	26·6	2·8	25·1	2·4	21
22	24·5	2·4	25·5	2·2	25·9	2·3	26·9	2·0	26·0	1·9	25·5	2·0	26·1	2·3	24·8	2·1	22
23	25 0	2·1	25·0	1·9	25·0	1·7	26·2	1·5	25·9	1·9	25·0	2·0	26·0	2·1	24·5	2·0	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 1923.

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	897	915	896	904	907	916	903	906	902	909	897	906	897	906	898	906	Midnight
1h	893	917	894	906	907	915	896	910	902	911	896	910	897	906	896	910	1h
2	893	916	892	908	908	918	900	909	902	911	894	913	896	910	897	907	2
3	895	912	895	905	903	915	900	908	902	912	896	910	895	911	894	915	3
4	894	914	892	908	898	912	894	914	902	908	896	909	896	909	893	910	4
5	896	910	892	908	896	910	896	909	902	911	895	912	897	908	890	915	5
6	896	909	889	911	897	906	898	912	902	912	897	907	897	908	895	907	6
7	900	913	895	912	892	918	904	920	904	920	891	921	891	921	888	919	7
8	906	913	907	916	913	933	900	927	917	925	911	928	900	918	900	917	8
9	910	915	922	922	919	947	913	932	911	926	922	932	910	924	905	926	9
10	908	918	919	929	924	936	926	926	911	928	922	933	906	930	906	928	10
11	927	927	927	927	921	951	929	929	922	922	917	943	916	939	914	935	11
Noon	907	916	923	935	931	946	924	936	922	932	914	936	924	936	918	927	Noon
13h	922	922	925	925	924	936	940	926	920	930	929	943	921	932	900	927	13h
14	913	933	916	940	939	939	908	907	920	930	914	936	915	937	875	900	14
15	873	889	913	934	925	937	911	916	918	927	916	940	931	931	873	889	15
16	889	889	920	930	918	945	888	909	919	929	911	927	911	928	883	889	16
17	889	889	910	925	906	930	911	917	911	929	914	935	911	928	910	923	17
18	913	897	912	931	913	933	908	910	910	924	908	940	909	921	908	918	18
19	893	915	907	933	906	928	904	906	904	919	900	919	906	915	905	911	19
20	891	912	908	918	913	919	904	910	902	911	898	910	902	909	895	911	20
21	897	905	905	924	905	911	906	906	902	911	899	907	902	912	888	912	21
22	896	907	903	916	902	911	903	908	897	908	896	910	900	909	895	905	22
23	895	905	907	917	903	907	902	911	897	908	896	909	895	911	894	906	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	909	893	915	898	908	902	912	900	907	895	907	893	909	900	918	Midnight
1h	896	907	893	916	896	910	901	907	900	906	897	905	889	911	900	912	1h
2	896	906	896	909	897	906	901	906	900	906	896	907	892	908	893	910	2
3	896	906	895	912	896	909	903	906	900	910	893	909	887	913	892	910	3
4	896	907	896	910	897	906	897	908	900	906	893	909	892	908	897	905	4
5	891	913	893	915	894	913	897	905	900	908	890	915	889	911	895	907	5
6	894	908	894	913	897	915	897	905	898	906	895	905	892	908	897	905	6
7	900	918	889	929	900	929	896	906	893	916	896	904	891	909	893	910	7
8	905	926	900	923	905	924	903	916	900	918	894	901	895	905	908	918	8
9	918	918	912	930	915	937	909	921	907	916	912	882	907	917	911	917	9
10	919	929	916	939	921	932	910	923	908	919	906	873	900	874	916	916	10
11	921	931	915	938	930	930	914	934	911	926	911	871	884	889	925	925	11
Noon	922	932	928	928	913	919	911	926	907	916	900	864	894	887	935	914	Noon
13h	923	934	912	919	923	935	916	916	931	931	909	921	924	895	948	890	13h
14	925	938	934	934	934	934	930	912	863	900	900	912	918	873	945	891	14
15	914	935	924	936	924	936	932	922	860	884	900	921	891	878	907	868	15
16	914	935	914	935	911	926	915	923	874	905	904	921	900	877	894	873	16
17	913	934	912	931	914	936	910	924	890	896	903	908	900	881	888	870	17
18	911	928	907	916	918	927	905	911	885	906	900	907	902	912	895	875	18
19	906	913	910	924	910	925	904	909	896	906	895	912	900	911	900	887	19
20	904	918	900	913	907	916	902	906	897	905	900	910	900	907	911	892	20
21	893	915	900	911	907	916	903	906	897	905	900	910	900	910	902	912	21
22	894	913	900	911	907	916	900	907	896	907	895	912	900	910	905	911	22
23	892	920	900	908	902	912	899	907	897	905	893	915	900	911	904	910	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 1923.

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	905	912	895	905	895	905	904	891	897	892	900	911	898	889	866	934	Midnight
1h	903	908	894	906	894	906	895	888	888	900	899	907	899	893	863	937	1h
2	903	906	894	906	898	891	897	894	889	900	899	906	898	889	859	941	2
3	903	908	890	910	911	898	915	900	889	900	899	906	889	900	857	943	3
4	903	906	888	912	910	898	906	903	890	907	899	906	889	902	858	942	4
5	903	907	894	906	906	899	901	906	892	892	899	906	893	903	862	938	5
6	897	908	893	907	906	899	901	906	894	898	899	906	894	904	881	928	6
7	894	908	894	906	914	897	907	900	893	897	899	907	895	903	871	944	7
8	910	914	911	902	920	887	914	890	893	884	899	907	893	900	879	952	8
9	915	915	921	914	921	886	917	883	890	877	900	906	893	884	879	951	9
10	935	900	928	889	900	869	900	858	886	864	897	915	894	871	863	957	10
11	951	879	921	879	921	869	907	868	875	863	900	886	900	922	875	959	11
Noon	924	885	931	879	922	878	907	865	887	868	907	883	904	910	882	944	Noon
13h	877	923	931	869	917	858	900	864	900	867	895	875	882	912	878	954	13h
14	900	871	925	863	908	859	900	853	900	862	911	872	880	920	872	968	14
15	900	869	922	867	907	865	882	857	900	859	900	858	896	879	875	960	15
16	907	868	908	861	911	874	890	852	900	867	911	872	908	892	872	967	16
17	900	877	900	859	913	868	888	870	900	921	906	869	883	897	877	956	17
18	900	885	889	871	889	874	881	871	896	920	897	884	886	922	879	951	18
19	900	894	897	885	903	884	893	884	890	925	898	891	870	930	879	931	19
20	900	893	896	891	904	890	896	890	896	910	898	892	870	930	879	921	20
21	900	889	894	894	903	894	897	892	892	908	899	894	871	929	889	916	21
22	891	902	893	907	904	890	897	893	906	894	899	893	862	938	890	924	22
23	891	904	894	906	904	891	896	891	903	914	898	891	874	926	886	935	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	877	934	896	904	897	908	922	905	894	913	900	917	897	905	897	909	Midnight
1h	881	929	892	908	896	904	895	907	899	907	900	911	897	905	895	909	1h
2	887	919	892	908	892	908	894	908	898	909	900	911	893	909	895	908	2
3	887	913	891	913	894	906	896	907	899	907	900	911	892	911	895	910	3
4	887	913	895	907	895	905	893	909	898	911	900	912	893	909	895	909	4
5	885	915	895	907	896	904	896	907	897	913	900	919	893	909	894	909	5
6	887	913	893	909	896	904	904	906	898	910	900	909	893	909	896	908	6
7	875	925	890	915	907	903	902	906	900	919	904	921	893	910	896	914	7
8	872	941	895	922	920	887	906	904	905	922	911	929	905	922	903	915	8
9	884	940	904	921	931	888	924	895	911	929	914	935	903	915	910	916	9
10	868	948	906	929	930	880	937	892	932	922	916	940	900	923	910	913	10
11	900	970	910	925	935	877	943	891	925	925	922	932	905	926	915	916	11
Noon	882	944	871	889	929	881	932	887	927	918	917	926	916	939	913	911	Noon
13h	883	941	885	890	928	872	932	876	927	918	922	932	894	928	913	912	13h
14	900	937	884	893	934	866	955	889	923	915	914	934	888	881	911	906	14
15	900	945	900	918	933	878	943	883	918	918	911	927	883	857	906	903	15
16	882	944	905	922	927	882	935	886	920	930	922	933	888	870	905	905	16
17	880	949	888	882	927	882	927	911	914	936	913	932	888	881	903	908	17
18	879	931	896	909	921	891	921	914	910	924	910	924	900	942	902	912	18
19	884	916	896	909	915	894	909	912	903	917	900	918	890	923	899	911	19
20	896	904	897	906	906	899	906	908	900	917	900	914	887	913	899	908	20
21	896	904	897	906	908	898	909	912	900	912	896	910	887	913	899	908	21
22	894	906	897	906	912	898	900	910	900	909	892	911	887	913	898	908	22
23	892	908	898	906	915	897	907	909	900	915	896	906	888	912	897	909	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 *).*

DECEMBER 1923.

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

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

d = direct. r = retrograde. † one whole revolution retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for DECEMBER 1928.

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

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 DECEMBER 1923.

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	3·48	90·0	83·8	8
	3	Belmont	50	4·58	111·0	74·4	7
	4	Poudre d'Or	20	4.49	115·5	71·4	7
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.* ...	300	6·70	170·2	...	8
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	5·61	141·0	104·4	10
	9	Beau Séjour	300	6·48	164·6	134·1	11
	10	Mont Piton	860	3·87	98·3	162·8	10
	11	Mon Choix	700	5·68	144·3	152·4	10
	12	Antoinette	640	6·88	174·7	146·6	9
	13	California	850	0·97	24·6	173·0	5
	14	Nouvelle Découverte* ...	1,400	8·19	208.0	...	12
	15	Mon Songe	620	4·99	126·7	137·2	9
	16	La Grande Rosalie ...	643	0·43	10·9	145·8	6
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	2·88	73·2	127·8	12
	19	The Observatory ...	179	2·26	56·9	123·4	10
	20	Solitude	175	2·56	65·0	99·3	9
	21	St. André§	90	...	...	...	...
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy*	10	1·08	27·4	...	4
	25	Esperance (Trébuchet)*	165	6·24	158·5	...	8
	28	Mon Rocher*	...	3·75	95·2	...	8
	45	Roche Bois Station§ ...	44	..	...	...	...
	46	Riche Terre Station* ...	106	0·46	11·7	...	3
	47	Terre Rouge Station* ...	137	2·45	62·2	...	2
	48	Mapou Station*	296	1·51	38·4	...	7
	49	Poudre d'Or Station* ...	172	2·53	64·3	...	16
	50	Rivière du Rempart* ...	134	1·64	41·6	...	3
2 & 3	1	Union Régnard ...	600	7·29	185·2	147·3	10
	2	Constance d'Arifat L.G.	100	2·35	59·7	118·7	8
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	4·25	107·9	...	9
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	4·35	110·5	...	8
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
	11	Joffrette*	...	2·84	72·1	...	8
4	1	Sans Souci	900	7·13	181·1	249·4	12
	2	Etoile	400	6·45	163·8	203·2	7
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive*	400	6·26	15·90	...	10
	5	Olivia	400	8·51	21·61	181·3	14
	6	Deep River*	350	5·78	146·8	...	12
	7	Belle Rose Estate* ...	...	4·68	118·9	...	10
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	4·77	111·1	...	25
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney*	20	3·20	81·3	...	6
	4	Beau Vallon	60	1·30	33·0	166·6	14
5 cont.	5	Union Vale	200	8.68	220·5	192·8	10
	6	Mon Désert (Carié)* ...	75	6·97	177·0	...	11
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	11·59	314·9	227·1	20
	2	Tivoli*	1,300	5·49	137·2	...	16
	3	La Flora*	1,050	7·30	182·4	...	17
	4	Britannia	730	9·33	237·0	230·6	16
	5	Savannah (Mill) ...	200	8·30	210·8	50·8	11
	6	St. Aubin	300	7·78	194·5	168·7	16
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois	350	8·68	217·0	216·1	14
	9	St. Avold*	900	9·04	229·6	...	17
	10	Terracine§	100	...	...	...	...
	11	St. Félix S.E.*	...	5·67	144·0	...	7
	12	Bel Air*	..	5·69	144·5	...	8
	13	Chamouny*	...	8·14	203·5	...	13
	14	Union S. E.*	...	6·72	202·7	...	10
	15	Fontenelle*	...	81·1	168·5	...	10
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre	40	6·95	176·5	131·0	13
	3	Beau Champ*	...	52·9	132·6	...	11
	4	Board*	...	8·83	224·3	...	12
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
...	...	No returns.	...	...	...	...	...
10	1	Les Gorges§	...	...	...	...	...
11	2	Curepipe Gardens ...	1,840	14·00	355·1	237·0	19
	3	Mare aux Vacoas ...	1,850	4·16	103·9	367·4	15
	4	La Marie Filter Bed* ...	1,700	10·94	287·0	...	23
	5	Réunion	1,420	3·57	90·7	203·2	15
12	1	The Manse	850	8·39	213·1	141·7	16
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma	1,460	5·18	129·3	259·0	13
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	8·20	208·3	...	14
	7	Trianon	950	7·34	186·4	156·0	12
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	5·65	143·5	...	14
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	7·20	182·9	146·8	17
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	..
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	9·35	237·5	...	12
	17	Mon Repos§	...	...	...	...	...
13	1	The Albion Dock ...	18	2·91	73·9	90·3	6

* Normals not available § Record not Received

MONTHLY and YEARLY MEANS and EXTREMES of the METEOROLOGICAL ELEMENTS for the YEAR 1923.

Month 1923.	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.
	millibars											mbs	mm.	mins.	mm.
January ...	1007·3	32°·9	19°·0	13°·9	30°·2	22°·1	8°·1	25°·7	3°·2	20°·2	72·1	23·5	116·5	935	4.4
February ...	1003·9	30·9	18·6	12·3	29·4	23·1	6·3	25·8	2·3	21·7	78·4	25·8	147·7	1165	6.1
March ...	1006·4	31·0	18·7	12·3	28·8	21·9	6·9	24·9	2·1	21·3	80·7	25·1	289·5	2400	4.7
April ...	1006·1	29·7	20·2	9·5	27·8	22·1	5·7	24·5	1·8	21·5	83·4	25·4	168·2	1080	4.2
May ...	1007·7	28·1	16·1	12·0	25·6	20·8	4·8	22·8	1·7	19·9	83·7	22·4	257·8	2390	3.4
June ...	1013·1	25·6	12·0	13·6	23·5	16·5	7·0	19·8	2·0	16·2	79·9	18·4	104·8	1025	3.6
July ...	1014·1	24·4	14·7	9·7	23·3	16·8	6·5	19·8	2·1	16·0	79·3	17·8	20·8	440	3.5
August ...	1015·8	25·0	13·3	11·7	23·3	16·7	6·6	19·7	2·6	15·0	74·7	17·0	23·3	510	4.0
September ...	1013·2	26·6	12·3	14·3	24·8	16·5	8·3	20·3	2·8	15·3	72·8	17·3	29·8	460	5.1
October ...	1011·5	28·3	13·5	14·8	26·3	18·1	8·2	21·8	2·6	17·2	75·2	19·5	52·0	323	5.5
November ...	1010·0	32·2	17·9	14·3	28·9	20·3	8·6	24·3	3·4	18·4	70·0	21·0	4·2	85	7·7
December ...	1005·4	34·5	20·1	14·4	31·9	22·2	9·7	26·5	3·4	20·7	70·5	24·2	56·2	457	7·5
Year ...	1009·5	29·1	16·4	12·7	27·0	19·8	7·2	23·1	2·5	18·6	76·7	21·4	Sum 1270·8	Sum 11270	5·0
Maximum ...	1019·9 Aug. 4	34·5 Dec. 16	...	14.8 Oct.	31·9 Dec.	...	9·7 Dec.	...	3·4 Nov. & Dec.	26·0 Feb. 7 & 16	100·0 Feb. 16	31·9 Feb. 16	104·7 mm. ending 11 h. on 29th March		11·0 Dec. 24
Minimum ...	994·4 Feb. 17	...	12·0 June 8	9·5 April	...	16·5 June & Sep.	4·8 May	...	1.7 May	10·0 Aug. 14	33·7 Dec. 31	14·4 Aug. 17	...		3·2 Feb. 17
Column ...	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Month 1923.	Temperature on the grass. Mean of the Daily Minima.	Temperature o the Soil (Cent.) Feet 10.	Feet 5.	Feet 2.	ins. 12.	ins. 9.	ins. 6.	ins. 3.	Mean Amount of Cloud (0–10).	Daily Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. North Component.	East Component.	Resultant. Direction.	Velocity.	Recorded Velocity.	Number of Days of. Rain.	Thunder storms.	Lightning
										hrs.		mt. p. s.	mt. p. s.	°	m.p.s.	m. p.s.			
January ...	15·7	24°·77	26°·27	28°·20	° ...	° ...	28°·82	28°·61	5·3	8·81	67·3	+0·31	+2·22	97·9	2·24	3·04	22	0	3
February ...	21·0	25·19	26·79	27·99	...	...	28·53	28·35	5·8	7·40	59·5	+0·64	+2·39	105·0	2·47	3·66	18	1	2
March ...	19·5	25·45	26·84	27·69	...	...	27.92	27·83	5·7	6·48	53·6	+0·53	+1·65	107·8	1·73	2·40	22	6	3
April ...	19·5	25·64	26·93	27·30	...	...	27·22	27·10	5·5	7·09	61·4	−0·07	+2·32	88·3	2·32	2·70	19	0	0
May ...	18·2	25·63	26·43	25·93	...	...	25·11	24·95	6·1	5·03	45·5	−0·36	+2·58	82·1	2·40	3·11	20	0	2
June ...	12·5	25·45	25·36	23·70	...	...	22·30	22·04	4·6	6·68	61·7	−0·77	+2·53	73·1	2·64	2·93	16	0	0
July ...	13·2	25·14	24·30	22·52	...	...	21·64	21·40	3·9	7·08	64·5	−0·84	+3·17	75·2	3·27	3·45	9	0	0
August ...	13·0	24·80	23·68	22·13	...	...	21·71	21·51	5·1	7·22	63·6	−1·32	+3·46	69·1	3·70	3·83	18	0	0
September ...	12·7	24·58	23·50	22·73	...	...	22·87	22·67	5·0	7·63	64·2	−0·73	+2·69	74·8	2·78	3·27	14	0	0
October ...	14·3	24·44	23·90	23·83	...	...	24·55	24·41	5·8	7·13	57·3	−0·54	+2·45	77·6	2·50	2·97	9	0	0
November ...	17·1	24·45	24·61	25·67	...	...	27·07	27·15	4·7	10·08	77·9	+0·05	+2·63	90·1	2·53	3·14	4	0	0
December ...	19·6	24·64	25·75	28·16	...	...	28·87	29·01	5·3	8·37	63·2	+0·19	+0·99	100·9	1·06	2·19	10	0	2
Year ...	16·9	25·01	25·36	25·49	...	...	25·55	25·41	5·2	7·42	61·6	−0·24	+2·42	84·3	2·43	3·06	172	7	12
Maximum ...	8·8 Aug. 29	...	...	...	...	...	31·2 Jan. 18	32·6 Jan. 18	9·8 Feb. 14	12·3 Nov. 8	...	...	...	...	3·70 Aug.	3·83 Aug.	...	...	...
Minimum ...	...	...	...	...	...	...	20·3 Aug. 17	19·2 Aug. 17	1·5 June 8	0·0 Feb. 14	...	...	...	...	1·06 Dec.	2·19 Dec.	...	...	...
Column ...	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

RAINFALL MEASURED AT THE AEROLOGICAL STATION "VACOAS" DURING THE YEAR 1923.

Dates \ Months	January	February	March	April	May	June	July	August	September	October	November †	December †
1 ...	13·6	10·9	0·0	6·3	4·7	1·3	0·0	0·9	3·0	0·0	0.0	0·0
2 ...	0·0	3·5	0·0	6·9	3·5	4·7	0·0	13·4	1·6	0·0	3·5	2·5
3 ..	0·0	0·9	0·0	0·0	11·5	4·8	0·0	6·2	2·3	0·0	4·0	0·0
4 ...	58·6	0·4	0·0	0·0	17·4	0·0	0·0	17·6	2.3	0·0	13·5	0·0
5 ..	54·2	9·4	0·0	6·9	0·0	0·0	0·0	16·1	0·9	0·0	3·5	0·0
6 ..	0·0	0·9	4·9	0·0	1·3	0·0	6·0	10·5	8·0	0·0	1·0	3·7
7 ...	4·8	1·1	0·0	0·0	5·7	0·0	4·3	8·6	1·8	0·0	0·0	0·0
8 ...	2·3	0·0	34·3	0·0	0·0	0·0	0·0	8·4	0·2	0·0	0·0	3·0
9 ...	2·5	0·0	40·0	0·0	0·0	0.0	0·0	0·4	0·0	0·0	0·0	0·0
10 ...	0·0	0·0	0·0	0·0	0·0	0·0	0·0	10·9	1·7	0·0	0·0	0·0
11 ...	7·3	11·0	4·9	0·0	0·3	0·0	0·0	5·5	3·4	0·0	1·0	0·0
12 ..	1·9	68·7	0·0	*	15·3	0·0	0·0	2·4	2·8	0·0	0·0	1·5
13 ...	2·7	0·0	0·0	10·7	18·0	3·2	0.0	0·0	15·2	0·0	2·5	92·5
14 ...	2·0	4·5	7·8	0·0	3·0	0·0	0·0	0·0	1·4	0·0	0·0	29·5
15 ..	0·0	19·7	0·0	23·2	3·2	0·0	0·0	0·0	4·7	0·0	0·0	28·0
16 ...	0·6	71·6	32·3	0·0	7·8	0·0	0·0	1·2	3·0	0·0	0·0	11·0
17 ...	0·0	49·3	0·9	0·0	0·0	2·1	0·0	7·0	0·9	0·0	1·5	2·5
18 ..	0·9	47·3	0·0	21·5	11·1	4·3	1·0	6·8	0·0	0·0	0·0	11·5
19 ...	1·5	20·1	0·0	4·1	45·0	0·9	7·5	0·0	5·8	0·0	0·0	5·0
20 ...	0·6	15·8	2·7	0·0	6·6	18·3	5·1	0·0	0·0	0·0	8·0	2·0
21 ...	0·4	15·7	0·0	0·0	4·5	0·0	1·4	0·0	0·0	0·0	0·0	0·5
22 ...	5·2	8·2	16·3	1·6	85·7	0·0	2·6	0·0	0·3	19·8	0.0	2·0
23 ...	1·2	0·8	12·7	6·1	5·2	0·0	4·3	12·7	0·0	0·0	0·0	0·0
24 ...	12·5	0·5	1·6	13·5	4·6	14·3	5·0	0·8	0·0	0·0	0·0	0·4
25 ...	2·7	0·4	17·1	12·0	0·0	4·3	0·0	1·1	0·0	0·0	0·0	0·0
26 ...	4·6	0·0	4·6	0·0	13·3	2·2	4·9	5·2	0·0	0·0	1·5	0·0
27 ...	0·8	0·0	6·4	3·7	1·3	0·0	7·9	0·0	0·0	0·0	0·0	25·5
28 ..	1·8	0·0	28·5	0·0	0·0	0·3	2·1	2·6	0·0	0·0	0·0	0·0
29 ...	0·9	...	8·0	4·1	0·0	13·1	0·2	4·1	0·0	0·1	0·0	0·0
30 ...	4·2	...	18·9	12·6	0·0	4·1	2·9	1·6	7·4	22·2	0·0	0·0
1 ...	0·0	...	13·0	...	2·4	...	2·2	1·1	...	4·7	...	0.0
Total ...	187·8	360·7	254·9	133·2	271·4	77·9	57·4	145·2	67·7	46·8	39·0	221·1

* Not observed. † Amount measured daily at 6 a.m. Approximate Altitude 1,400 feet.

MEAN MONTHLY VALUES OF THE MAGNETIC ELEMENTS 1923

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 Daily Ranges: Declination.	Mean Daily Ranges: Horizontal Force. (Unit 1 γ.)	Mean Daily Ranges: Vertical Force (Unit 1 γ.)
January	10°.44′·29	·23002	·30024	·37882	52°.32′·62	·22600	—·04286	·30024	6·58	34·3	17·2
February ...	10°.43·72	·22999	·30056	·37846	52°.34′·60	·22597	—·04281	·30056	5·33	30·4	16·1
March	10°.45·33	·22991	·30055	·37841	52°.35′·12	·22587	—·04291	·30055	3·91	27·3	18·1
April	10°.47·70	·22985	·30025	·37813	52°.33′·90	·22579	—·04305	·30025	3·87	19·4	16·6
May	10°.48·19	·22984	·30033	·37819	52°.34′·42	·22577	—·04308	·30033	2·99	11·9	16·4
June	10°.49·17	·22975	·30011	·37796	52°.33′·87	·22566	—·04313	·30011	2·81	33.1	16·6
July	10°.49·41	·22969	·30003	·37785	52°.33′·83	·22561	—·04313	·30003	4·32	29·5	14·7
August	10°.51·48	·22985	·30005	·37796	52°.32′·79	·22575	—·04330	·30005	5·46	29·1	21·1
September ...	10°.51·08	·22976	·29996	·37784	52°.32′·98	·22565	—·04325	·29996	6·90	28·9	25·6
October	10°.51·83	·22962	·29991	·37771	52°.33′·70	·22551	—·04327	·29991	7·04	32·6	21·0
November ...	10°.53·39	·22979	·30004	·37793	52°.33′·20	·22565	—·04341	·30004	7·75	35·0	18·9
December	10°.54·22	·22974	·30006	·37792	52°.33′·65	·22560	—·04346	·30006	6·99	32·0	17·0
For the year ...	10°.49·15	·22982	·30017	·37809	52°.33′·72	·22574	—·04314	·30017	5·32	28·6	18·3

* Mean of the twelve monthly values.