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ROYAL ALFRED OBSERVATORY, MAURITIUS.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JANUARY 1927

M. OLIVIER,

Officer in Charge.

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PREFACE.

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

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

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

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

LENGTH.

1 inch = 25·40 millimetres.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

M. OLIVIER,
Officer in charge.

9th May, 1927.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of JANUARY 1927

Month and Day. 1927	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
	° ′				Unit 1 γ	
1	11.26.2	.22841	·29888	4·0	35	23
2	25·8	840	876	7·1	23	24
3	26·3	843	873	6·0	28	19
4	26·5	846	870	8·3	45	14
5	26·4	845	872	11·7	50	17
6	27·2	841	875	8·5	50	17
7	25·0	820	874	13·9	81	20
8	29·2	794	878	11·6	60	16
9	26·5	830	880	6·5	22	14
10	26·1	841	877	7·3	46	11
11	26·3	829	873	4·2	48	13
12	23·1	827	877	13·0	47	12
13	22·4	835	883	18·7	57	17
14	21·0	835	884	8·8	31	20
15	25·0	831	874	6·8	48	12
16	24·3	833	876	7·3	25	12
17	26·3	829	872	9·7	46	7
18	27·3	826	863	9·4	64	24
19	30·7	826	874	6·7	45	19
20	28·7	835	873	6·8	40	23
21	26·1	829	874	4·4	15	11
22	25·3	846	873	9·0	37	15
23	26·4	838	872	6·6	14	18
24	27·3	872	874	5·8	95	10
25	27·7	829	872	8·2	47	16
26	27·2	824	872	5·4	29	17
27	27·8	834	877	8·6	28	19
28	27·8	826	880	3·7	19	17
29	27·3	835	879	9·4	31	20
30	28·0	840	883	5·3	27	9
31	26·9	839	878	9·1	42	17
Mean	11·26·39	·22834	·29876	81·2	41·1	16·2

Description of the Principal Magnetic Disturbances

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

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

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

$7^{d}.8^{h}$.—Accentuated diurnal variation in Declination
8.0—Wave in H.F.(—40γ)
$8.8\frac{1}{2}$—Rapid Fluctuations in Declination.

Γ=0·37603: Mean Dip=θ=52°.36′.58. (X=·22381: Y=—·04529 :Z=·29876).
† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of JANUARY 1927

Declination (West)		Horizontal Force (C.G.S. Unit)		Dip (South). A.M. Observations		Resulting Vertical Force. C. G. S. Units.	P. M Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
JAN. 6. 9·26	11.31·81	JAN. 7. 9·15	·22835	JAN. 6. 9·11	52.20·75	...	JAN. 6.16.51	52.33.00	.29834
·16.43	11.24·50	·12·19	·22824	12. 9.27	52.24·81	...	12·15.20	52.35·37	·29840
12. 9.40	11.28·95	14. 9·09	·22856	20. 9·36	52·20·50	...	...	...	...
.15·07	11.21·33	·12·31	·22848	26. 9·36	52·28·78	·29731	26·14·34	52·37·00	·29780
20. 9.45	11.29·69	22. 9·36	·22853						
26. 9.51	11.27·24	12·16	·22861						
·14.20	11.24·60								

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

JANUARY 1927.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	11° +																
Midnight	26·0	27·8	26·0	26·0	25·2	25·8	27·0	27·0	30·3	28·0	26·8	27·6	24·6	15·3	25·4	23·8	Midnight
1h	26·0	27·5	26·0	26·0	26·0	26·3	27·4	28·0	30·1	27·9	26·2	27·2	26·0	15·7	25·9	25·5	1h
2	26·2	27·6	26·0	26·2	26·0	26·0	27·6	28·2	29·2	26·4	26·0	26·8	27·0	15·8	24·1	26·0	2
3	26·1	26·8	26·0	26·8	25·0	25·9	28·0	31·2	26·0	23·6	25·5	26·1	26·3	16·0	24·0	24·4	3
4	26·6	26·5	26·2	26·9	25·3	25·9	28·1	30·9	25·7	20·7	24·0	26·0	25·0	16·4	24·0	22·6	4
5	26·3	26·1	26·4	27·0	26·8	25·8	28·2	30·5	25·0	22·0	24·0	25·9	25·4	17·5	25·8	21·0	5
6	26·0	26·3	27·5	27·1	28·0	26·0	28·0	32·8	24·6	23·0	24·1	25·7	26·1	19·7	26·7	20·2	6
7	26·0	27·5	26·9	27·9	28·0	26·0	29·0	34·6	24·0	24·0	25·3	27·0	28·3	22·2	28·0	21·1	7
8	26·3	28·0	26·6	28·0	28·1	26·0	30·5	37·3	23·8	24·9	26·0	28·0	30·0	24·0	28·8	22·0	8
9	26·3	28·9	28·3	28·6	31·2	27·5	32·0	28·0	24·7	26·0	26·1	28·2	31·5	24·1	28·0	22·1	9
10	26·3	29·0	29·5	30·4	32·8	29·3	31·0	29·8	26·2	26·0	27·8	28·0	32·2	24·0	28·0	23·4	10
11	27·4	28·2	30·0	30·5	32·3	31·4	28·4	29·9	27·7	26·4	28·0	26·3	32·0	23·9	26·0	25·0	11
Noon	28·0	24·8	29·8	29·9	30·3	32·2	23·0	30·0	28·0	26·5	27·7	23·9	28·0	22·0	24·2	27·5	Noon
13h	27·9	24·2	28·7	28·6	29·5	32·5	18·7	29·8	26·7	26·1	26·2	19·5	23·8	21·9	23·0	26·0	13h
14	26·7	24·0	26·8	26·8	26·0	30·2	18·1	28·3	25·9	26·0	26·0	16·0	19·9	20·8	22·0	23·4	14
15	25·6	23·5	24·3	24·1	23·7	27·7	18·8	26·8	26·0	26·3	25·9	15·5	16·5	20·6	23·5	23·0	15
16	24·0	22·4	23·9	22·7	21·9	24·3	18·3	26·4	26·1	26·9	26·0	15·2	17·0	20·2	24·3	24·0	16
17	24·0	21·9	23·7	22·2	21·1	24·0	19·0	26·0	26·0	27·4	25·7	16·0	16·8	21·2	26·1	24·4	17
18	24·9	21·9	23·5	23·0	22·2	25·0	20·0	26·0	26·3	27·2	26·2	18·0	16·0	21·9	26·0	24·8	18
19	25·9	22·2	23·8	24·6	22·3	26·2	20·4	25·7	27·3	27·5	26·8	19·7	14·2	22·0	24·0	25·6	19
20	26·0	24·4	24·9	26·2	24·0	26·4	22·3	26·2	26·6	27·7	27·5	20·3	13·5	23·0	23·7	26·3	20
21	26·0	26·0	25·3	26·3	25·6	27·2	24·5	27·3	26·4	28·0	27·4	21·9	13·6	23·4	22·5	26·8	21
22	26·3	26·8	25·5	25·9	25·5	27·5	25·9	28·4	26·5	27·9	28·0	22·4	13·7	23·9	22·9	26·9	22
23	27·6	27·3	26·0	25·5	25·7	26·0	27·0	30·0	27·4	27·6	28·2	23·8	14·0	24·1	23·6	27·2	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
	11° +																
Midnight	25·6	29·8	27·7	29·0	26·0	26·8	25·8	26·0	27·0	28·0	28·2	28·0	28·3	27·8	28·2	26·6	Midnight
1h	26·1	30·0	27·5	29·7	26·3	27·3	26·0	26·3	28·0	28·3	28·1	28·0	28·0	28·0	28·1	26·9	1h
2	25·8	29·9	28·0	29·4	26·2	27·5	26·0	26·5	28·3	28·2	28·0	28·0	27·9	28·5	26·7	26·8	2
3	25·7	29·7	28·0	28·9	26.6	27·7	26·0	27·8	28·7	28·0	28·0	26·8	27·7	28·7	25·4	26·5	3
4	25·7	28·0	29·0	29·0	26·8	28·0	26·0	28·0	28·6	28·0	28·0	27·9	27·9	29·3	23·3	26·3	4
5	25·6	26·5	30·2	29·5	27·5	28·0	26·4	28·4	29·0	28·0	28·0	28·3	28·2	29·4	25·2	26·5	5
6	25·8	27·8	31·6	30·0	28·0	28·4	27·7	29·4	29·4	28·0	28·1	29·5	30·0	29·8	27·5	27·2	6
7	26·0	29·0	33·0	31·2	28·0	29·0	29·5	30·0	29·9	27·7	28·5	28·0	32·7	30·0	28·0	27·9	7
8	30·0	30·2	34·2	32·0	28·0	29·2	30·0	30·0	32·0	27·1	29·8	28·8	31·8	30·3	29·3	28·7	8
9	31·5	30·1	34·0	32·3	28·2	27·9	29·9	31·2	31·0	27·9	30·0	29·3	29·6	29·5	30·4	28·8	9
10	31·4	28·8	34·0	32·5	28·5	26·5	30·0	30·7	29·7	27·8	31·0	29·0	26·5	28·0	32·1	29·0	10
11	28·0	27·8	33·5	32·4	28·0	24·4	29·2	28·5	28·0	27·6	32·2	28·0	23·8	27·6	31·6	28·5	11
Noon	25·3	26·3	32·0	32·0	26·0	22·0	28·3	27·3	27·0	28·0	32·1	27·9	23·3	26·3	28·3	27·4	Noon
13h	22·4	23·7	32·2	31·5	25·0	21·8	27·4	26·5	25·9	29·0	30·5	27·0	23·5	25·0	25·0	26·1	13h
14	21·8	21·0	32·4	28·2	24·8	21·3	26·3	26.0	24·5	28·5	28·0	26·1	24·0	25·6	23·4	24·8	14
15	22·2	20·8	32·3	26·0	24·2	20·4	25·5	25·8	23·8	28·0	26·3	25·8	24·7	26·2	23·0	24·1	15
16	23·0	21·9	31·7	26·0	24·1	20·2	24·5	25·6	23·9	26·0	24·7	25·9	26·2	26·6	24·0	23·8	16
17	23·9	22·6	31·0	25·7	24·3	21·3	23·9	25·4	24·2	23·9	23·8	27·0	26·6	27·0	26·1	23·9	17
18	24·0	26·0	30·6	25·8	24·4	22·0	23·4	25·6	25·7	23·6	23·6	26·6	26·8	27·5	26·5	24·4	18
19	26·0	28·8	30·1	26·0	24·3	23·9	23·6	26·0	26·1	24·5	24·9	27·8	27·5	28·0	25·7	24·9	19
20	27·8	29·7	29·0	26·0	24·5	24·7	23·8	25·9	27·8	26·2	25·9	28·0	27·7	28·0	26·3	25·5	20
21	28·3	29·9	28·8	26·0	24·2	26·0	24·0	25·8	28·0	26·6	26·1	28·1	27·2	28·0	27·2	25·9	21
22	28·9	29·4	28·5	26·0	25·4	26·2	24·3	25·7	28·3	26·9	26·5	28·2	27·0	28·0	27·5	26·2	22
23	29·5	27·8	28·0	26·0	26·7	26·1	25·8	25·9	28·5	28·0	27·7	28·4	27·6	28·2	28·0	26·6	23

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

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

JANUARY 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22000 + (C.G.S. UNIT.)																
Midnight	835	839	836	849	836	837	840	773	823	828	845	830	810	833	821	820	Midnight
1h	840	840	833	848	834	830	840	780	829	821	841	821	806	827	810	830	1h
2	840	842	840	849	835	840	841	802	835	814	834	829	816	820	808	840	2
3	847	847	835	850	860	842	842	798	838	817	826	844	827	820	813	840	3
4	837	848	833	850	847	840	844	785	837	829	819	850	830	835	821	834	4
5	838	840	835	850	840	843	848	790	840	836	818	840	823	837	830	833	5
6	839	845	836	849	832	845	848	781	839	840	823	817	820	839	835	830	6
7	838	840	837	850	838	844	850	768	835	839	830	803	830	838	833	824	7
8	836	841	838	850	843	849	849	769	830	837	830	805	830	830	832	820	8
9	840	841	839	851	855	847	845	770	829	836	822	811	831	830	831	820	9
10	840	849	840	852	853	858	840	765	829	833	811	815	831	830	830	825	10
11	845	850	841	855	846	860	838	760	820	832	811	817	833	831	826	834	11
Noon	850	842	845	853	851	850	837	785	828	838	812	820	835	834	825	833	Noon
13h	850	844	856	857	863	829	839	800	822	843	819	821	836	837	831	834	13h
14	842	849	861	868	870	820	834	805	821	846	820	826	830	839	833	830	14
15	836	842	855	862	862	811	831	805	820	850	821	820	830	835	830	832	15
16	849	838	848	859	854	861	814	804	819	850	820	820	830	838	828	835	16
17	855	834	843	845	843	850	799	807	820	850	827	825	837	840	830	838	17
18	854	838	841	835	860	836	776	809	828	851	831	836	854	838	841	842	18
19	843	838	839	826	850	835	773	811	830	854	835	840	860	840	852	845	19
20	842	835	841	823	830	835	771	810	837	858	840	846	861	851	855	840	20
21	846	829	848	824	820	840	770	811	841	860	850	850	863	851	856	837	21
22	830	827	849	830	830	840	780	813	840	860	859	850	859	843	841	833	22
23	820	830	850	835	824	841	769	820	835	859	855	832	845	830	829	830	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. / Hour
	·22000 + (C.G.S. UNIT.)																
Midnight	834	819	825	820	830	833	842	834	862	831	839	828	819	840	836	830·5	Midnight
1h	831	820	827	818	830	836	843	835	854	830	840	827	822	840	830	829·5	1h
2	833	828	824	820	830	835	841	836	849	830	840	825	823	840	841	831·6	2
3	856	830	826	820	833	836	840	837	837	830	836	820	827	840	842	834·1	3
4	848	833	824	823	831	834	841	838	836	830	835	820	828	840	844	833·4	4
5	840	836	830	826	830	838	841	838	839	832	833	822	831	838	843	834·1	5
6	832	840	837	830	831	840	842	841	837	834	831	825	835	837	845	834·0	6
7	830	849	843	844	822	850	846	847	831	839	832	830	842	836	849	835·1	7
8	846	855	844	850	822	856	840	850	828	839	836	829	846	838	854	836·2	8
9	840	859	850	858	820	864	836	860	824	835	840	830	848	840	856	837·4	9
10	842	864	855	857	829	870	837	890	820	831	841	830	850	844	862	839·5	10
11	843	843	839	855	821	863	838	916	816	825	844	833	846	847	851	838·0	11
Noon	835	829	833	856	822	853	838	929	816	823	848	837	840	848	840	838·2	Noon
13h	830	810	824	853	824	850	839	900	816	820	847	839	836	853	839	837·5	13h
14	820	802	820	851	831	847	837	900	815	814	843	836	833	846	834	836·2	14
15	820	800	810	852	835	843	834	894	819	810	836	829	831	838	831	833·0	15
16	812	810	810	840	834	844	832	892	820	810	834	823	830	852	838	833·8	16
17	820	811	810	830	830	847	834	891	820	810	829	823	830	855	836	832·9	17
18	818	809	821	825	835	848	833	890	824	810	825	822	831	837	837	833·4	18
19	819	808	820	823	833	850	836	888	830	811	822	821	831	832	835	833·2	19
20	810	810	819	820	831	845	840	886	830	814	820	820	833	829	830	832·7	20
21	810	819	810	820	831	843	835	881	832	820	821	820	837	828	820	833·0	21
22	812	822	811	822	831	840	836	876	831	821	825	820	838	830	830	833·2	22
23	819	824	823	826	834	840	835	869	830	833	829	820	839	833	826	831·7	23

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

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

JANUARY 1927.

Day / Hour	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	·29000 + (C.G.S. UNIT).																
Midnight	887	888	873	873	873	877	878	877	872	876	870	870	879	889	878	879	Midnight
1h	887	887	874	872	873	879	877	877	873	877	870	871	878	888	875	880	1h
2	888	885	875	872	874	879	877	876	874	878	870	872	877	886	874	881	2
3	887	883	875	873	874	879	877	876	875	879	870	873	875	884	874	881	3
4	884	882	876	873	875	878	876	878	876	880	871	874	874	880	875	880	4
5	880	881	877	873	875	878	870	879	877	880	871	875	874	876	876	879	5
6	876	880	877	873	876	878	876	880	878	878	870	876	873	873	877	877	6
7	873	879	879	872	877	877	877	881	879	879	870	877	875	872	878	874	7
8	873	879	881	871	878	878	878	882	879	881	870	877	876	870	879	869	8
9	894	881	883	870	880	881	883	884	886	879	870	882	880	889	877	874	9
10	895	880	880	876	879	880	880	886	885	879	883	881	880	888	877	874	10
11	896	876	876	871	875	878	876	884	883	880	882	880	881	888	876	874	11
Noon	896	871	873	866	872	875	874	880	880	880	381	879	883	888	875	874	Noon
13h	895	865	869	863	868	870	868	876	874	880	881	876	885	890	875	875	13h
14	893	864	866	862	864	865	863	876	874	879	878	873	888	890	872	877	14
15	890	866	864	863	863	864	864	877	875	877	875	874	889	890	870	878	15
16	889	870	865	864	864	864	865	877	879	875	874	875	890	890	868	877	16
17	889	872	870	866	865	867	870	878	882	874	873	878	889	889	867	876	17
18	888	873	871	868	866	870	871	878	884	874	872	879	888	888	867	876	18
19	887	873	871	869	867	871	872	876	885	873	871	879	887	887	868	876	19
20	890	873	870	870	868	873	874	874	885	873	871	880	887	885	871	875	20
21	891	872	870	870	871	877	875	872	886	872	870	880	889	884	873	875	21
22	891	872	873	871	873	878	876	870	886	871	870	880	890	881	876	874	22
23	890	873	873	872	876	878	876	871	883	870	870	880	890	880	877	873	23

Day / Hour	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d	30d.	31d.	Mean	Day / Hour
	·29000 + (C.G.S. UNIT).																
Midnight	871	876	863	878	869	878	868	876	874	874	878	889	882	885	880	876·8	Midnight
1h	870	875	866	879	870	879	870	875	874	873	878	889	883	886	883	877·0	1h
2	870	874	869	880	870	880	869	874	875	873	878	888	885	884	883	877·1	2
3	869	872	870	881	870	880	870	874	875	872	879	887	886	883	880	876·9	3
4	870	871	870	883	870	880	871	874	876	872	880	885	886	882	877	876·7	4
5	870	870	871	885	870	880	874	873	875	871	880	884	886	882	876	876·6	5
6	870	872	870	884	870	879	877	872	876	871	881	883	883	881	877	876·3	6
7	870	871	871	883	869	877	879	874	878	871	880	882	882	881	879	876·3	7
8	870	869	872	881	867	875	878	876	880	871	879	880	882	881	880	876·2	8
9	875	873	882	873	877	873	874	881	877	882	880	879	890	881	880	879·7	9
10	875	869	881	874	876	872	871	880	874	879	877	885	885	888	884	879·8	10
11	875	864	880	875	876	872	880	876	871	875	874	881	881	886	887	878·4	11
Noon	874	860	879	872	876	871	876	874	868	870	873	879	876	883	880	876·1	Noon
13	875	856	877	870	876	870	870	873	865	869	871	877	872	882	880	874·0	13h
14	874	854	875	868	876	869	862	872	864	866	870	874	870	882	878	872·2	14
15	873	853	874	866	876	869	863	872	864	865	869	873	870	883	873	871·7	15
16	872	852	873	864	876	869	866	873	865	866	870	872	870	885	870	871·9	16
17	870	852	872	864	876	870	871	874	866	868	871	873	870	889	870	872·9	17
18	869	852	872	863	877	870	872	873	868	869	873	874	871	889	870	873·4	18
19	869	852	872	862	875	870	871	872	870	871	876	875	871	886	875	873·5	19
20	872	853	873	862	875	866	870	871	871	876	879	877	873	883	877	74·1	20
21	875	856	875	864	876	865	871	872	872	877	883	880	875	881	877	875·0	21
22	876	859	877	867	877	867	873	873	873	878	885	881	880	880	878	876·0	22
23	876	861	878	867	878	868	874	874	875	878	888	882	882	881	879	76·5	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of JANUARY 1927.

Month and Day 1927	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees.	Wind. Velocity.	Highest.	Lowest.	Range				
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	964·7	24·9	1·4	22·5	86	27·0	247	0·8	26·7	21·3	5·4	8·5	2·4	3·5	26
2	966·6	23·5	0·7	22·3	94	26·7	225	3·3	25·9	15·4	10·5	7·2	0·0	6·2	47
3	966·6	24·3	2·1	20·7	81	24·2	270	4·5	26·4	18·8	7·6	5·2	0·0	11·1	84
4	965·1	23·3	1·1	21·4	89	25·2	292	6·0	26·0	20·2	5·8	6·6	5·0	12·1	91
5	963·2	25·0	2·3	21·1	69	24·8	270	5·8	26·4	20·5	5·9	8·0	1·3	7·0	53
6	962·1	22·4	0·4	21·7	96	25·7	259	6·7	24·1	20·8	3·3	9·2	11·7	1·1	8
7	964·1	23·0	0·3	22·5	97	27·0	247	5·8	24·8	20.1	4·7	8·5	12·7	2·4	18
8	963·7	25·0	1·2	23·0	88	27·8	259	0·6	26·4	19·6	6·8	7·2	0·2	3·3	25
9	963·9	25·0	1·2	23·0	88	27·8	292	1·8	27·3	18·1	9·2	4·4	2·4	11·6	88
10	963·1	25·6	2·2	21·9	82	26·0	292	1·3	22·1	19·5	2·6	6·3	0·0	8·0	61
11	963·3	24·9	1·3	22·7	87	27·3	247	2·0	26·3	20·7	5·6	7·7	5·3	6·2	47
12	963·0	25·5	1·5	22·9	85	27·6	236	2·7	26·2	20·1	6·1	8·4	0·0	7·9	60
13	961·1	26·1	1·8	23·1	84	28·0	236	2·4	28·2	20·1	8·1	7·1	2·5	10·0	76
14	961·1	24·1	0·7	22·9	93	27·6	202	1·8	26·0	21·5	4·5	9·2	8·0	3·1	23
15	961·4	26·5	2·5	22·3	80	26·7	202	1·0	28·1	22·3	5·8	8·5	1·3	8·2	62
16	961·1	27·0	1·9	23·8	83	29·2	135	0·7	27·2	21·0	6·2	8·0	0·2	4·7	36
17	961·2	26·3	1·4	23·9	87	29·4	90	0·6	27·0	19·9	7·9	7·0	75·0	5·8	44
18	961·4	26·5	1·2	24·5	89	30·6	135	0·6	27·4	19·5	7·5	6·4	7·5	5·6	43
19	962·5	25·3	1·0	23·6	87	28·8	11	0·6	28·0	20·6	7·4	7·2	0·4	5·5	42
20	963·4	26·0	1·8	23·0	83	27·8	292	2·7	27·6	21·8	5·8	8·5	0·1	3·1	24
21	963·7	24·8	1·7	21·9	84	26·0	270	1·1	27·0	20·9	6·1	8·3	3·6	7·7	59
22	963·7	25·1	0·5	24·3	95	30·1	270	1·8	27·0	20·6	6·4	8·5	2·1	5·3	40
23	963·7	25·7	0·8	24·3	92	30·1	270	0·7	28·5	22·3	6·2	5·7	3·8	10·6	81
24	962·6	26·6	2·6	22·2	77	26·5	270	1·6	27·8	21·7	6·1	2·4	0.0	11·3	86
25	963·1	26·3	1·4	23·9	87	29·4	292	4·9	26·6	21·2	5·4	4·3	0·0	10·0	76
26	962·6	24·7	1·1	22·8	89	27·5	281	5·3	24·7	21·6	3·1	10·0	2.1	0·0	0
27	960·9	23·7	0·6	22·7	94	27·3	270	6·2	...	21·6	...	10·0	8·5	0·0	0
28	950·9	...	...	...	...	...	360	7·1	...	...	...	10·0	259·8	0·0	0
29	959·2	24·7	1·0	23·0	92	27·8	90	0·9	26·5	24·1	2·4	9·5	25·7	4·0	31
30	956·7	22·9	1·1	21·0	89	24·6	337	5·6	26·5	19·3	7·2	7·5	25·5	5·3	41
31	962·0	25 6	2·2	21·9	80	26·0	112	0·7	29·3	20·2	9·1	3·4	0·3	9·2	71
Mean	962·3	25·0	1·3	22·6	87·6	27·3	° 275·4	2.1	26·6	20·5	6·1	7·3	Sum 467·4	6·12	46·5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.	Atmospheric Pressure	+ 40·7
	Temperature of the Air	+ 2·8
	Vapour Tension	− 0·6
	Relative Humidity	− 15·4 %
	Direction of Wind	7°.4 E
	Velocity of Wind	+ 0·8
	Amount of cloud	− 0·6
	Amount of rain	− 51·3 m.m.
	Duration of sunshine	+ 30·6 hrs.
	Mean of highest temperatures	+ 2·6
	Mean of lowest temperatures	+ 2·7
	Absolute highest temperature	+ 1·9
	Absolute lowest temperature	+ 5·4

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

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1927.

Month and Day 1927.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud. Scale 0—10.
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
JAN.	mbs.	mbs.	c	c	c	c	c	c		c			mbs.	c	mm.	min.	mm.	
1	1005·3	− 1·2	28·2	23·9	4·3	25·6	− 0·2	2·2	21·9	+ 1·3	80	+ 6	26·0	22·3	0·2	10	5·7	8·5
2	1006·9	+ 0·5	28·7	22·5	6·2	25·1	− 0·7	2·9	20·2	− 0·5	74	0	23·4	21·4	0·8	19	3·0	8·0
3	1006·9	+ 0·6	29·9	21·5	8·4	25·6	− 0·2	3·4	19·9	− 0·8	71	− 3	23·0	22·8	0·7	9	6·9	5·0
4	1005·8	− 0·5	29·4	23·0	6·4	25·8	− 0·1	2·9	20·9	+ 0·1	74	0	24·5	21·8	1·7	28	7·5	3·4
5	1004·2	− 2·0	29·1	23·8	5·3	26·1	+ 0·2	3·0	21·0	+ 0·2	73	− 1	24·6	21·0	0·3	5	5·9	5·8
6	1002·7	− 3·4	26·4	23·4	3·0	24·8	− 1·1	1·3	22·6	+ 1·8	88	+ 13	27·2	22·6	15·7	129	6·1	8·1
7	1004·6	− 1·4	28·1	23·6	4·5	24·9	− 1·0	1·4	22·5	+ 1·6	87	+ 12	27·0	22·4	2·7	54	5·3	8·8
8	1004·7	− 1·3	29·1	22·3	6·8	25·1	− 0·8	2·3	21·2	+ 0·3	79	+ 4	24·9	21·3	0·0	...	4·0	6·3
9	1004·2	− 1·7	30·0	20·8	9·2	25·5	− 0·4	2·9	20·6	− 0·4	74	− 1	24·0	20·7	0·0	...	5·4	4·2
10	1003·5	− 2·3	29·6	21·7	7·9	25·7	− 0·2	2·7	21·1	+ 0·1	76	+ 1	24·8	20·3	0·4	4	6·4	5·2
11	1004·2	− 1·6	28·8	22·9	5·9	25·5	− 0·4	2·0	22·1	+ 1·1	81	+ 6	26·3	18·0	11·9	108	7·5	8·0
12	1003·2	− 2·5	29·3	22·0	7·3	25·7	− 0·2	2·3	21·8	+ 0·7	79	+ 4	25·9	18·0	0·0	...	5·6	6·2
13	1002·2	− 3·5	30·2	23·6	6·6	26·6	+ 0·6	2·5	22·4	+ 1·3	78	+ 2	26·8	22·2	4·0	27	6·6	7·3
14	1002·0	− 3·6	30·1	24·7	5·4	26·9	+ 0·9	2·2	23·2	+ 2·1	80	+ 4	28·1	23·7	0·0	...	4·0	8·3
15	1002·2	− 3·3	30·0	25·4	4·6	27·6	+ 1·6	2·3	23·8	+ 2·6	80	+ 4	29·2	22·9	0·0	...	5·8	8·7
16	1001·9	− 3·6	31·1	23·6	7·5	26·0	+ 0·1	1·6	23·4	+ 2·2	85	+ 9	28·5	21·1	31·5	139	4·6	6·7
17	1001·6	− 3·8	30·6	22·2	8·4	26·0	0·0	1·7	23·1	+ 1·9	84	+ 8	28·0	20·6	3·2	18	3·2	4·4
18	1002·1	− 3·3	31·1	22·7	8·4	26·8	+ 0·8	2·2	23·1	+ 1·8	80	+ 4	28·0	21·1	0·0	...	7·0	4·4
19	1003·3	− 2·0	29·5	24·7	4·8	26·3	+ 0·3	1·9	23·1	+ 1·8	83	+ 7	28·0	21·9	2·7	35	3·7	6·4
20	1005·3	0·0	28·7	22·1	6·6	25·3	− 0·7	1·9	22·1	+ 0·8	82	+ 5	26·3	21·2	39·8	186	3·8	8.5
21	1005·0	− 0·2	29·0	23·8	5·2	26·1	+ 0·1	2·4	22·0	+ 0·6	78	+ 1	26·2	22·3	1·1	15	6·1	6·9
22	1004·6	− 0·6	29·0	24·5	4·5	26·6	+ 0·6	2·0	23·2	+ 1·8	81	+ 4	28·1	22·9	2·9	16	7·9	7·0
23	1004·4	− 0·7	29·9	24·4	5·5	26·8	+ 0·8	2·3	22·9	+ 1·5	79	+ 2	27·6	22·5	0·4	10	6·4	5·5
24	1004·1	− 1·0	29·9	23·9	6·0	26·4	+ 0·4	2·5	22·2	+ 0·8	78	+ 1	26·5	21·8	1·4	12	6·4	3·4
25	1004·1	− 0·9	29·6	23·8	5·8	26·6	+ 0·6	2·8	21·9	+ 0·4	75	− 2	26·0	21·7	0·2	5	6·7	4·8
26	1003·7	− 1·3	27·0	22·9	4·1	25·7	− 0·3	1·4	23·3	+ 1·8	87	+ 10	28·3	23·7	9·3	45	3·3	10·0
27	998·6	− 6·3	27·0	24·0	3·0	25·3	− 0·7	1·1	23·4	+ 1·9	89	+ 11	28·5	24·4	106·0	528	2·9	10·0
28	991·8	− 13·1	25·5	23·3	2·2	24·2	− 1·8	0·9	22·7	+ 1·2	91	+ 13	27·3	21·9	98·2	575	2·6	10.0
29	998·7	− 6·1	29·2	22·9	6·3	25·6	− 0·4	1·4	23·2	+ 1·6	86	+ 8	28·1	21·9	46·0	235	3·9	9·3
30	997·9	− 6·8	30·0	22·7	7·3	25·5	− 0·5	2·3	21·6	0·0	79	+ 1	25·5	21·9	27·2	350	4·3	7·6
31	1002·6	− 2·1	30·3	21·5	8·8	25·1	− 0·9	1·7	22·2	+ 0·6	84	+ 6	26·5	22·2	7·8	80	4·8	5·6
Mean	1003·0	− 2·5	29·2	23·2	6·0	25·8	− 0·2	2·1	22·2	+ 1·0	80·5	+ 4·5	26·6	21·8	Sun. 416·1	Sum 2642	5·3	6·8
Aver.	1005·5	...	29·9	22·6	7·3	26·0	..	2·9	21·2	...	76·0	...	24·9	20·4	197·1	2101	5·9	6·2
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JANUARY 1927.

Except on the 2nd & 3rd, pressure was generally below normal. In the mean for the month it was 2.5 mbs below.

On the 26th a cyclone formed about 500 miles N. N. E. of Mauritius, the centre after adopting a Southwesterly track as far as 300 miles N. N. W., curved, crossing our meridian on the night of the 27th to the 28th and approached the Island to within 100 miles Eastward. High wind velocities were experienced in the Eastern districts of the Colony during the storm.

Temperature was, in the mean, slightly below normal the defect being especially noticeable whilst the island was under the influence of the cyclone referred to above.

Relative Humidity was in excess of the normal on 25 days. In the mean for the month it was 4.5% above.

During the passage of the cyclone, heavy rain fell over the Island, this brought the excess at the Observatory to 211% above normal.

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

Northern Districts	River System 1,	204% above
Eastern Districts	,, ,, 2, 3, 4,	236% ,,
South-Eastern Districts	,, ,, 5 & 6	135% ,,
Western Districts	River System 11	212% above
	,, ,, 12	133% ,,
	,, ,, 13	156% ,,

9th May, 1927

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1927

Month and Day 1927.	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.	6 inches.	3 inches.	Weather
JAN.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	
1	3·0	23	+0·9	+ 2·0	204	2·2	2·2	— 1·3	25·2	25·9	27·7	28·4	28·0	27·7	c
2	6·0	45	+0·3	+ 2·5	187	2·5	2·7	— 0·8	25·2	25·9	27·8	28·2	27·6	27·4	c : f
3	12·4	93	— 0·5	+ 3·3	279	3·3	3·5	0·0	25·2	25·9	27·8	28·0	27·5	27·6	f
4	11·8	89	— 0·9	+ 4·5	281	4·6	4·7	+ 1·2	25·0	25·9	27·8	28·2	27·9	27·7	b : f : b
5	7·4	56	— 0·6	+ 5·4	276	5·4	5·5	+ 2·0	25·1	26·0	27·8	28·3	27·7	27·7	b : f : c : cq : ogp
6	3·3	25	+ 0·2	+ 5·9	268	5·9	5·9	+ 2·4	25·2	26·0	27·8	28·1	27·3	26·9	f : ogp
7	3·3	25	+ 1·0	+ 3·4	254	3·5	3·6	+ 0·1	25·1	26·0	27·8	28·1	27·2	27·4	cg
8	4·1	31	+ 0·2	+ 2·2	265	2·2	2·3	— 1·2	25·2	26·1	27·8	28·1	27·6	27·6	f : cg : f
9	10·0	76	— 1·0	+ 2·0	297	2·2	2·4	— 1·1	25·3	25·9	27·8	28·1	27·6	27·7	b : f
10	10·5	80	— 0·7	+ 2·4	286	2·5	2·5	— 1·0	25·0	26·1	27·8	28·2	27·8	28·1	b : f : c
11	9·3	70	+ 0·4	+ 2·3	260	2·3	2·3	— 1·2	25·1	26·0	27·8	28·6	28·1	28·2	cg : f
12	10·9	83	+ 0·8	+ 2·5	252	2·6	2·7	— 0·8	25·2	26·2	27·9	28·7	28·1	28·2	b : c : : f
13	8·3	63	+ 1·3	+ 2·7	244	3·0	3·1	— 0·4	25·2	25·9	27·9	28·5	28·2	28·6	f : cgp
14	5·7	43	+ 2·9	+ 2·2	217	3·6	3·9	+ 0·4	25·3	26·1	28·0	28·6	28·2	28·3	cg
15	8·4	64	+ 2·7	+ 1·1	202	2·9	3·0	— 0·5	25·3	26·0	28·1	28·6	28·3	28·7	c
16	4·7	36	+ 0·2	+ 0·2	225	0·3	1·3	— 2·2	25·2	26·3	28·2	28·7	28·4	28·5	f : ogt : f
17	7·5	57	— 0·1	+ 0·5	281	0·5	1·2	— 2·3	25·2	26·1	28·2	28·6	27·9	28·2	f : c : f
18	9·9	76	+ 0·1	0·0	180	0·1	1·7	— 1·8	25·0	26·3	28·2	28·5	28·4	29·1	b f
19	5·0	38	— 1·0	+ 0·9	318	1·3	1·9	— 1·6	25·3	26·4	28·2	28·7	29·0	29·5	f : oglt : f : cl : f
20	4·0	31	— 1·7	+ 3·0	300	3·4	3·6	+ 0·1	25·3	26·3	28·3	28·8	28·0	28·1	f : ogr : cg : f
21	10·1	77	— 0·7	+ 2·9	284	3·0	3·1	— 0·4	25·3	26·3	28·3	28·6	28·3	28·8	cg : c : f
22	10·3	79	— 0·6	+ 3·6	280	3·6	3·8	+ 0·3	25·3	26·2	28·3	28·9	28·5	29·1	f : c : f : oglt
23	11·4	87	— 0·1	+ 3·2	272	3·2	3·3	— 0·2	25·3	26·3	28·4	29·0	29·2	29·5	cglt : c : f
24	11·7	89	— 0·3	+ 3·3	275	3·3	3·4	— 0·1	25·3	26·4	28·5	29·2	28·9	29·5	b : f : cp : f
25	11·7	89	— 1·1	+ 4·3	284	4·4	4·5	+ 1·0	25·3	26·3	28·5	29·2	28·7	29·2	b : f : c
26	0·0	0	— 0·8	+ 4·8	280	4·8	4·9	+ 1·4	25·3	26·4	28·6	29·1	28·2	28·3	ogr
27	0·0	0	+ 0·6	+ 8·1	266	8·1	8·2	+ 4·7	25·3	26·6	...	...	...	...	ogqr : tsm
28	0·0	0	— 6·5	+ 0·8	353	6·5	9·0	+ 5·5	...	...	...	...	...	...	ogqr
29	5·6	43	— 0·8	— 1·8	66	1·9	2·9	— 0·6	25·3	26·7	27·6	25·8	25·6	26·6	ogqr : ogts m
30	6·8	52	— 2·8	+ 1·4	333	3·1	4·2	+ 0·7	25·6	26·9	27·2	26·7	26·3	27·1	tsm : ogr : f
31	6·3	48	0·0	+0·2	270	0·2	1·5	— 2·0	25·6	26·9	27·2	27·2	27·0	27·7	b : c : og
Mean	7·08	53·8	—0·27	+ 2·57	276·0	2·58	3·51	+0.1	25·24	26·21	27·98	28·33	27·91	28·17	...
Average	7·70	58·5	—0·12	+ 2·50	272·5	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	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JANUARY 1927.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1008·4mbs	at	23h	on 2nd	984·4mbs	at	5h 6h	on 28th
Temperature of the Air	31·2C	at	13·20	on 18th	20·8C	at	03·50h	on 9th
Daily range of temperature of the Air...	9·2C		...	on 9th	2·2C		...	on 28th
Temperature of the Dew Point	25·1C	at	13h	on the 15th	18·1C	at	12h	on 3rd
Daily range of temperature of the Dew Point	4·0C		...	on 1st	1·0C		...	on 30th
Relative humidity...	100·0%	at	6h	on 21st	53·0%	at	12h	on 3rd
Wind Velocity	16·6 m.p.s.	at	7h	on the 28th	0·6 mps		often	often
Rainfall	188·7 ending		13h	on the 28th	...		...	...
Temperature of the soil at 3 ins. ...	31·4C	at	18h	on 23rd	24·8	at	3h	on 29th
, at 6 ins. ...	31·2C	at	15	on 23rd	24·5C	at	0h	on 29th
Duration of sunshine	12·4 hrs.		...	on 3rd	0·0hrs.		...	26th 27th 28th
Amount of Evaporation in 24 hours	7·9mm.		...	on 22nd	2·6 m.m.		...	on 28th
Vapour Tension	31·5mbs	at	13h	on 15th	20·6 mbs	at	12h	on 3rd
Minimum on Grass	...		...	...	18·0C		...	on 11th & 12th

Number of Days Overcast, 14, Clear 0, of Rain 25, of Lightning 3, of Thunderstorm 7.
Mean Day Temperature of Air, 27·32C. Average, 27·74C. Mean Night Temperature of Air, 24·35C. Average, 23·98C.

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

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

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

JANUARY 1927.

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	0054	0068	0081	0073	0059	0036	0040	0055	0058	0040	0044	0050	0036	0027	0023	0026	Midnight
1h	0049	0064	0075	0068	0055	0029	0036	0048	0054	0036	0037	0042	0027	0016	0020	0022	1h
2	0046	0060	0070	0064	0050	0028	0032	0043	0049	0032	0033	0034	0020	0013	0016	0017	2
3	0042	0060	0069	0060	0047	0019	0034	0041	0043	0031	0030	0030	0020	0010	0012	0015	3
4	0039	0061	0068	0054	0039	0015	0035	0037	0044	0031	0029	0029	0020	0012	0023	0013	4
5	0040	0064	0069	0053	0039	0018	0040	0040	0045	0036	0038	0030	0020	0015	0017	0016	5
6	0048	0069	0064	0059	0043	0025	0046	0049	0051	0042	0046	0036	0024	0020	0024	0022	6
7	0055	0073	0077	0065	0048	0030	0051	0051	0056	0047	0052	0042	0028	0026	0028	0027	7
8	0057	0078	0078	0067	0050	0029	0054	0051	0057	0046	0054	0048	0027	0030	0029	0028	8
9	0059	0079	0077	0068	0050	0032	0055	0050	0052	0043	0051	0043	0028	0029	0029	0026	9
10	0062	0077	0076	0067	0047	0033	0054	0050	0049	0040	0049	0043	0026	0026	0029	0024	10
11	0061	0076	0075	0064	0046	0028	0052	0049	0044	0033	0044	0036	0025	0025	0030	0019	11
Noon	0060	0073	0069	0059	0041	0029	0050	0044	0040	0028	0039	0028	0020	0023	0026	0013	Noon
13h	0051	0070	0066	0053	0038	0026	0049	0039	0035	0022	0038	0025	0018	0022	0023	0010	13h
14	0048	0064	0058	0049	0033	0017	0041	0039	0031	0017	0036	0019	0014	0016	0016	0010	14
15	0044	0059	0055	0044	0030	0016	0038	0037	0026	0018	0030	0014	0010	0011	0010	0010	15
16	0045	0060	0053	0041	0029	0014	0037	0036	0022	0018	0028	0010	0010	0008	0008	0010	16
17	0047	0059	0059	0043	0030	0016	0036	0040	0025	0026	0031	0013	0010	0010	0007	0012	17
18	0050	0062	0060	0048	0034	0020	0038	0048	0029	0029	0037	0020	0016	0015	0010	0014	18
19	0054	0068	0068	0052	0039	0028	0049	0051	0036	0036	0048	0030	0020	0020	0019	0020	19
20	0059	0073	0070	0058	0038	0032	0050	0055	0040	0043	0051	0036	0023	0024	0025	0023	20
21	0065	0079	0075	0061	0042	0036	0057	0060	0042	0047	0055	0040	0027	0026	0028	0029	21
22	0069	0080	0076	0064	0043	0040	0060	0062	0043	0051	0059	0040	0029	0030	0031	0030	22
23	0070	0084	0075	0066	0041	0040	0060	0063	0042	0050	0054	0038	0026	0029	0032	0030	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	0029	0022	0034	0050	0054	0052	0054	0046	0050	0046	0036	9907	9980	9993	0012	1003·7	Midnight
1h	0022	0018	0028	0049	0046	0048	0051	0041	0039	0042	0032	9896	9974	9982	0015	1003·1	1h
2	0014	0014	0027	0050	0041	0045	0046	0037	0034	0034	0024	9880	9972	9971	0017	1002·6	2
3	0011	0010	0023	0050	0039	0040	0040	0033	0030	0030	0016	9857	9975	9960	0020	1002·2	3
4	0010	0010	0027	0050	0040	0037	0040	0031	0030	0030	0009	9855	9976	9953	0023	1002·2	4
5	0012	0013	0031	0048	0042	0039	0042	0035	0032	0029	0013	9844	9978	9954	0023	1002·3	5
6	0016	0019	0035	0048	0050	0045	0050	0038	0037	0035	0010	9844	9980	9950	0023	1002·7	6
7	0020	0025	0039	0049	0053	0051	0053	0044	0046	0043	0012	9864	9984	9948	0028	1003·3	7
8	0023	0028	0040	0050	0054	0050	0053	0046	0045	0048	0016	9886	9993	9951	0027	1003·5	8
9	0024	0027	0040	0052	0055	0051	0052	0045	0044	0047	0020	9895	9995	9972	0029	1003·6	9
10	0021	0027	0040	0059	0055	0052	0050	0043	0047	0046	0020	9899	9994	9974	0027	1003·6	10
11	0020	0024	0040	0057	0057	0050	0047	0041	0043	0046	0015	9921	9991	9976	0025	1003·4	11
Noon	0016	0020	0035	0053	0054	0046	0039	0043	0039	0040	0004	9927	9989	9977	0023	1003·1	Noon
13h	0011	0016	0033	0052	0051	0043	0038	0040	0038	0033	9992	9930	9986	9977	0021	1002·7	13h
14	0004	0014	0028	0050	0048	0037	0036	0039	0035	0029	9990	9931	9979	9976	0019	1002·3	14
15	0006	0010	0017	0049	0040	0033	0033	0037	0032	0028	9965	9938	9978	9975	0016	1002·0	15
16	0002	0010	0016	0040	0039	0032	0031	0034	0031	0027	9959	9942	9978	9977	0020	1001·8	16
17	0003	0013	0019	0050	0042	0034	0032	0035	0035	0028	9950	9947	9980	9980	0024	1002·1	17
18	0009	0018	0025	0056	0049	0038	0036	0038	0039	0029	9946	9958	9993	9995	0029	1002·5	18
19	0016	0025	0030	0058	0055	0050	0041	0042	0050	0034	9944	9967	0000	0008	0033	1003·2	19
20	0023	0029	0038	0060	0060	0055	0046	0050	0051	0041	9946	9970	0004	0011	0037	1003·6	20
21	0025	0031	0040	0060	0061	0059	0050	0050	0050	0042	9952	9975	0007	0012	0042	1003·9	21
22	0026	0037	0046	0061	0063	0060	0051	0051	0050	0041	9940	9977	0003	0011	0041	1004·1	22
23	0024	0036	0049	0060	0060	0058	0050	0050	0050	0040	9924	9978	0000	0010	0040	1004·0	23

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

Hour. \ Day.	JANUARY 1927.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	8	8	5	3	0	4	9	2	1	1	6	0	3	8	10	6	5	0	5	3	10	3	7	1	0	10	10	10	10	10	0	5·1
1h	8	9	5	2	0	3	9	1	0	0	8	1	6	6	10	8	4	0	7	8	10	2	6	1	0	10	10	10	10	10	0	5·3
2	9	9	4	2	0	2	9	1	0	0	8	2	1	5	10	7	4	0	8	10	10	3	5	1	1	10	10	10	10	10	0	5·2
3	9	9	5	1	1	3	9	1	0	0	8	1	1	4	10	7	3	1	10	10	9	3	4	2	1	10	10	10	10	10	0	5·2
4	8	9	7	1	1	5	8	3	0	1	10	2	4	5	10	7	3	1	10	10	9	5	6	1	1	10	10	10	10	10	0	5·7
5	8	10	8	1	2	8	8	7	1	0	10	3	4	8	9	7	3	1	10	10	10	8	8	1	1	10	10	10	10	10	0	6·3
6	8	9	5	1	4	10	9	9	4	3	10	8	9	9	9	6	2	2	10	10	10	4	9	3	2	10	10	10	10	10	2	7·0
7	8	9	4	2	6	9	9	9	6	3	10	8	9	10	9	6	2	2	10	10	9	9	9	3	3	10	10	10	10	10	2	7·3
8	9	9	3	3	4	9	10	9	6	4	9	9	8	10	9	4	2	2	9	9	8	9	8	3	3	10	10	10	9	10	5	7·2
9	9	9	1	4	4	10	10	4	5	7	9	9	4	10	7	4	5	4	4	9	5	9	8	4	3	10	10	10	3	10	8	6·7
10	10	9	6	6	8	10	10	5	5	8	6	9	8	10	8	5	4	7	5	10	7	9	8	5	5	10	10	10	6	10	8	7·6
11	9	9	6	7	8	10	9	5	6	4	8	8	8	10	8	6	7	7	5	9	7	9	7	6	5	10	10	10	8	9	8	7·7
Noon	8	9	4	6	9	10	9	5	7	5	9	7	8	10	8	6	9	7	5	7	8	9	7	7	5	10	10	10	9	9	8	7·7
13h	8	9	4	6	9	10	9	6	7	6	10	7	7	10	8	10	9	7	8	9	7	5	7	7	6	10	10	10	9	9	9	7·7
14	8	9	5	5	9	10	9	9	7	5	10	8	7	10	9	10	9	6	8	10	7	5	6	5	7	10	10	10	10	8	7	8·0
15	9	7	6	5	10	10	9	10	8	8	10	7	8	9	9	10	9	5	9	10	8	5	8	5	7	10	10	10	10	8	8	8·3
16	9	8	6	6	10	10	9	10	7	8	10	7	9	9	9	10	8	7	8	10	8	6	6	5	7	10	10	10	10	8	9	8·4
17	9	8	7	7	10	10	9	9	5	8	9	8	10	9	9	10	6	8	6	10	7	7	5	5	8	10	10	10	10	8	10	8·3
18	9	9	8	6	10	10	9	9	3	9	8	8	10	9	9	9	4	9	5	10	7	8	4	4	9	10	10	10	10	8	10	8·2
19	9	8	9	5	8	10	9	9	2	9	8	8	10	8	9	5	4	8	4	6	4	8	2	2	8	10	10	10	10	7	10	7·4
20	9	6	3	2	8	8	10	9	2	9	8	8	10	8	9	4	3	7	3	5	3	9	1	10	4	10	10	10	10	4	10	6·8
21	8	4	2	1	10	5	10	9	9	9	7	9	10	6	9	5	2	6	2	2	2	10	2	0	8	10	10	10	10	0	10	6·4
22	8	5	3	1	8	7	8	7	7	8	2	5	10	7	8	4	1	4	1	6	2	10	1	0	8	10	10	10	10	0	7	5·7
23	8	4	5	1	7	9	5	4	3	7	1	5	9	8	6	5	0	3	1	8	3	10	1	0	9	10	10	10	10	0	3	5·3

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

Hour* Ending \ Day.	JANUARY 1927.																															
	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	13	8	0	0	0	0	0	14	0	15	0	0	0	0	25	15	2	0	0	0	0	10	10	0	0	0	0	0	15	2·1
7	9	12	60	60	42	12	3	0	55	60	19	60	32	0	12	40	60	60	4	12	35	44	48	58	60	0	0	0	0	0	60	15·3
8	33	35	60	60	60	27	3	24	60	60	23	55	47	15	51	60	60	60	0	5	49	60	58	60	60	0	0	0	53	0	30	19·5
9	20	51	60	51	60	14	17	52	60	60	45	60	60	17	59	44	60	60	22	58	60	58	58	60	60	0	0	0	59	0	60	22·4
10	13	57	59	46	60	55	5	60	60	60	60	30	60	37	60	50	30	37	60	15	60	50	52	60	60	0	0	0	60	0	45	21·7
11	9	60	48	58	52	9	32	4	60	60	60	50	60	50	55	29	52	11	60	43	60	40	60	60	60	0	0	0	50	40	50	21·4
Noon	0	20	60	60	50	0	12	40	60	60	59	48	60	20	43	35	5	53	60	60	60	55	60	56	60	0	0	0	50	60	60	21·1
13h	20	0	60	60	30	0	11	58	60	60	53	50	60	34	57	25	8	58	9	46	60	50	60	55	60	0	0	0	45	60	39	20·1
14	1	13	60	60	50	36	55	11	17	55	55	45	60	42	50	0	48	59	10	0	60	60	54	60	60	0	0	0	0	50	0	17·8
15	5	55	60	60	20	21	53	0	0	60	22	58	32	39	32	0	8	58	5	0	10	60	60	52	60	0	0	0	19	48	0	15·0
16	36	26	60	60	0	12	3	0	28	50	60	59	20	55	50	0	0	55	1	0	58	60	58	60	60	0	0	0	0	58	0	15·5
17	32	25	60	52	0	14	0	0	60	30	55	60	10	26	15	0	50	34	29	0	55	58	52	55	54	0	0	0	0	50	8	14·7
18	5	3	60	59	0	0	2	0	60	0	43	55	0	6	20	0	24	19	35	0	40	20	54	50	38	0	0	0	0	40	9	10·7
19	0	0	25	14	0	0	0	0	19	0	2	10	0	0	0	0	18	16	3	0	0	0	11	8	0	0	0	0	0	2	0	2·1

The total amount of registered sunshine was 219·4 hours and the total possible sunshine 407·6 hours.
* Reckoned from apparent midnight.

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

(To obtain temperatures on the Absolute Scale add 273)

JANUARY 1927

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	25·1	1·5	23·9	1·4	22·0	1.4	24·0	1·3	24·6	1·5	25·0	2·0	24.0	0.9	23·8	1·1	Midnight
1h	25·2	1·4	23·7	1·3	21·7	1.4	23·9	1·3	24·5	1.8	24·9	2·0	24.1	0·9	23·7	1·2	1h
2	25·0	1·0	23·6	1·4	21·5	1.5	23·2	1·0	24·1	1·7	24.4	1·5	23.8	0·8	23·1	0·9	2
3	24·9	1·0	23·7	1·1	21·8	1.4	23·1	1·1	23·9	1·7	24·5	1·8	23.8	0·8	22·9	0·8	3
4	24·6	0·9	23·0	1·1	22·6	1.5	23·0	1.2	23·8	1·7	24·7	1·9	23.9	0·8	22·5	0·6	4
5	24·5	1·2	23·0	1·1	21·9	1.1	23·1	1·4	23·9	1·6	25·0	2.4	23.8	0·8	22·0	0·7	5
6	24·3	1.3	23·0	0·9	22·7	1·4	23·3	1·5	24·0	1.5	24·8	1.9	24.1	0·8	22.8	0·9	6
7	24·7	1·2	24·0	1·1	24·8	2.7	25·2	2 6	25·8	2.7	24·0	0·7	24.0	0·7	24.0	1·0	7
8	25·4	1·8	26·0	3·5	27·0	5.0	27 0	3·4	26·9	3.3	25·4	1·9	24.4	0·9	25.1	1·5	8
9	24·9	0·7	27·0	4·4	27·9	5.0	27 0	3·2	27·6	3.9	24·3	0·7	25.0	1·0	27.0	3·3	9
10	26.8	1·8	28·0	5·0	28·4	5.8	28·1	4·3	28·8	5.2	25·2	1·5	25.6	1·5	28.0	4·2	10
11	27.0	2·6	28·7	5·8	28·2	5.3	28 8	5·1	28·0	4.4	26·4	2·6	27.0	2·3	27·8	3·8	11
Noon	27·0	3·0	27·0	4·3	28·8	6.4	29·0	5·4	28 7	5.0	25·5	1·5	26.7	1·9	28·2	4·1	Noon
13	27·1	3·7	26·0	2·8	29·0	6.2	29·4	6·2	28·9	5.3	25·0	1·0	27.7	3·0	28·5	4·4	13h
14	27·2	3·9	26·0	3·0	29·1	6.3	28·9	5.7	28·9	5.3	25·7	1·5	27.2	2·9	27·7	3·8	14
15	27·4	4·5	27·8	5·1	29·2	5.7	23·8	5.5	28·3	4.7	25·0	1·0	27.3	2·6	26·8	3·6	15
16	27.7	4.7	27·0	5·0	28·8	5.4	28·0	4.9	27·4	3.8	25·6	1·6	26.6	2·3	26·1	3·2	16
17	27·1	3·9	26·3	4·4	28·0	4.7	26·0	3.0	26·3	2 9	25·0	1·1	25.4	1·8	25·8	3·1	17
18	26·6	3·1	25·8	4·3	27·2	4.2	26·0	3·0	26·0	2·9	24·0	0·3	24.4	1·4	25·8	3·5	18
19	25.7	2·7	25·0	3·3	25·6	2.6	25·3	2·4	25·8	2·7	24 0	0·4	24.1	1·0	24·7	2·7	19
20	24·9	2·0	24·5	2·9	24·5	1.6	25·1	2·1	25·5	2·4	34·3	0·6	23.9	0·9	24·5	2·3	20
21	24·7	1·7	23·7	2·3	24·2	1.4	24·2	1 2	25·0	2·0	24·5	0·8	24.0	1·0	24·4	2·2	21
22	24·3	1·4	22.9	1·9	24·1	1.2	24·1	1·1	24·9	1·9	24·3	0.8	23.8	0·9	23·6	1·6	22
33	24·0	1·3	22·5	1·7	24·0	1·2	24·6	1·5	25·0	2·1	23 6	1.0	24.1	1·1	23·1	1·2	23

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

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

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

JANUARY 1927

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	24·0	0·9	24·0	0·9	25·0	1·0	25·1	1·3	24·9	1·3	24·7	1·5	25·6	0·9	24·1	0·9	Midnight
1h	24·0	0·8	23·9	0·9	24·7	0·9	24·6	1·4	24·4	1·2	24·6	1·5	25·7	0·9	24·2	1·0	1h
2	23·4	0·6	23·3	0·7	24·9	1·0	23·2	0·8	24·0	1·1	24·7	1·6	25·6	0·8	24·0	0·9	2
3	22·9	0·7	23·0	0·6	25·0	1·0	23·1	0·2	24·0	0·8	24·9	1·5	25·3	0·7	24·0	0·8	3
4	22·6	0·6	23·0	0·8	25·0	0·9	22·1	0·3	24·0	0·9	24·7	1·4	25·2	0·7	24·0	1·0	4
5	22·3	0·4	22·8	0·8	25·0	1·0	22·9	0·7	24·0	0·9	24·8	1·3	25·2	0·7	23·9	1·0	5
6	22·3	0·4	23·4	0·9	24·8	0·8	24·0	1·1	24·0	0·8	25·0	1·2	25·0	1·0	23·9	1·0	6
7	25·5	1·5	26·0	1·6	24·9	0·7	25·0	1·6	24·6	1·2	25·4	1·2	25·9	1·0	25·5	1·5	7
8	27·9	2·9	27·7	1·8	25·0	0·6	26·0	1·5	26·3	2·2	27·0	2·1	27·8	2·7	27·7	3·3	8
9	28·8	3·5	29·0	3·0	25·6	0·8	27·0	2·5	27·2	3·3	27·9	2·9	27·7	2·7	28·6	4·0	9
10	28·7	2·8	30·0	3·5	28·5	3·3	26·4	2·2	28·4	4·4	28·0	2·8	27·0	1·9	28·9	4·1	10
11	29·9	3·1	28·9	3·2	29·5	3·4	27·1	2·3	28·8	4·8	27·0	1·7	28·9	3·7	29·7	4·7	11
Noon	28·0	3·0	30·8	3·8	28·5	1·7	28·4	3·5	28·9	4·3	28·3	2·6	29·1	3·9	28·7	3·8	Noon
13h	27·9	2·8	30·8	3·9	27·8	2·1	27·9	3·0	28·6	3·9	28·4	3·2	29·8	4·7	28·5	3·6	13h
14	29·8	4·6	30·9	4·2	26·0	1·6	26·0	2·3	28·7	4·4	28·8	3·2	29·1	4·5	29·0	4·4	14
15	27·0	2·4	30·1	3·9	27·2	2·2	25·7	2·4	28·1	3·7	28·4	3·0	29·6	5·0	28·8	4·8	15
16	26·2	1·2	30·0	4·0	28·3	3·2	25·9	2·7	28·1	3·9	28·9	3·6	28·6	4·2	28·3	4·9	16
17	27·0	2·0	28·8	3·8	28·5	3·6	26·0	2·9	27·9	3·9	28·4	3·2	28·0	3·8	27·9	3·9	17
18	27·7	2·7	27·8	3·3	27·9	3·5	25·8	2·8	26·7	2·7	27·1	2·1	27·4	3·4	27·3	3·3	18
19	26·6	1·4	26·9	2·8	26·9	2·9	25·3	2·4	26·0	2·1	26·7	1·5	26·2	2·2	26·1	2·1	19
20	25·9	1·0	26·4	1·8	26·1	2·5	25·3	2·4	25·1	1·6	26·3	1·3	25·6	1·6	25·2	1·2	20
21	25·4	0·9	25·8	1·6	25·9	2·4	25·2	2·2	25·0	1·6	26·3	1·3	25·1	1·2	24·7	1·2	21
22	24·8	0·8	25·1	1·1	25·1	1·7	25·0	1·8	24·9	1·8	26·1	1·1	24·9	1·2	24·6	1·1	22
23	24·4	0·8	25·0	0·9	25·1	1·5	25·1	1·7	24·8	1·8	26·0	1·0	24·6	1·2	24·7	1·2	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. Excess of Air over Evap.	31d. Air.	Mean Air.	Mean Excess of Air over Evap.	Day. / Hour.
Midnight	24·4	1·1	25·4	1·4	25·3	0·9	24·0	0·4	24·2	1·0	22·9	0·4	22·9	0·6	24·3	1·1	Midnight
1h	24·4	1·1	25·0	1·2	25·7	1·2	24·0	0·4	24·4	1·0	22·8	0·5	22·5	0·4	24·2	1·1	1h
2	24·0	1·1	25·2	1·4	25·8	1·2	24·0	0·5	24·3	1·1	22·8	0·5	22·1	0·2	23·9	1·0	2
3	24·0	1·1	25·3	1·4	25·6	1·0	24·0	0·6	23·6	0·7	22·7	0·3	22·0	0·5	23·8	1·0	3
4	24·0	1·0	25·5	1·6	25·6	1·3	23·9	1·0	23·4	0·5	23·0	0·4	21·9	0·7	23·7	1·0	4
5	23·9	1·1	25·5	1·6	25·9	1·3	23·9	1·1	23·7	0·7	23·0	0·4	21·7	0·6	23·7	1·0	5
6	23·8	1·0	25·6	1·8	25·7	1·5	23·9	1·4	24·0	0·6	23·0	0·5	21·5	0·0	23·7	1·0	6
7	26·0	2·1	26·0	2·0	26·1	1·3	24·0	1·7	25·0	0·8	23·4	0·9	24·9	2·6	25·1	1·5	7
8	27·6	3·6	25·7	1·9	26·4	1·6	23·9	1·3	26·2	1·3	23·7	1·4	26·0	2·0	26·4	2·3	8
9	28·1	4·1	26·2	1·7	27·0	2·0	24·0	1·2	27·0	2·2	24·9	2·1	28·3	3·3	27·2	2·9	9
10	28·7	4·7	26·9	2·3	26·0	1·0	24·2	1·8	28·5	2·5	25·5	2·4	28·9	3·6	27·8	3·3	10
11	28·9	4·9	26·7	2·3	25·4	0·8	23·3	0·3	28·5	2·5	27·0	3·0	30·0	4·6	28·2	3·5	11
Noon	29·1	4·5	23·8	0·2	24·9	0·9	23·4	0·4	28·9	2·9	28·5	4·2	30·1	4·6	28.2	3·5	Noon
13h	29·2	5·2	25·1	0·7	25·3	1·3	23·9	0·8	29·0	3·1	29·4	4·6	28·9	3·8	28·2	3·5	13h
14	28·6	4·4	26·7	1·8	25·4	1·2	25·0	1·2	28·4	2·5	30·0	5·2	26·9	1·9	28·0	3·5	14
15	29·0	4·6	25·9	1·4	25·3	1·2	25·5	1·3	29·1	3·1	28·9	4·2	27·8	2·9	27·8	3·4	15
16	28·5	4·3	26·1	1·4	25·6	1·6	25·2	1·3	27·6	2·1	29·4	4·5	26·6	1·8	27·5	3·3	16
17	28·0	3·3	25·9	1·2	24·6	0·8	25·0	1·1	27·0	1·2	29·0	4·6	25·9	1·3	27·0	3·0	17
18	27·4	3·3	25·9	1·3	24·9	1.0	24·6	1·0	27·0	1·3	28·6	4·2	25·0	1·1	26·5	2·6	18
19	26·6	2·7	25·8	1·6	24·6	0·4	23·8	0·5	24·3	0·2	26·6	2·8	24·0	0·5	25·7	2·0	19
20	26·3	2·4	25·8	1·6	24·2	0·3	24·2	0·6	22·9	0·1	25·9	2·7	24·0	0·7	25·2	1·7	20
21	26·0	2·0	25·4	1·0	24·1	0·5	24·1	0·7	23·0	0·4	25·0	2·1	23·9	0·8	24·9	1·5	21
22	26·1	2·1	25·5	0·9	24·2	0·6	24·1	0·8	23·0	0·6	24·0	1·4	23·7	0·7	24·6	1·3	22
23	26·1	2·2	25·0	1·0	24·3	0·7	24·0	0·9	23·0	0·5	23·2	0·7	23·4	0·7	24·5	1·3	23

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

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

JANUARY 1927.

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	914	914	903	916	895	912	895	924	900	941	888	957	900	932	900	927	Midnight
1h	909	909	904	918	893	916	896	921	900	929	887	964	900	933	900	929	1h
2	909	912	904	919	894	915	890	925	900	934	900	963	900	934	900	924	2
3	907	909	903	917	895	912	889	928	894	929	900	952	906	929	900	920	3
4	909	913	903	913	893	915	885	937	894	930	884	978	907	933	900	915	4
5	905	912	902	912	893	916	891	945	888	930	900	965	905	926	900	923	5
6	903	908	904	920	892	919	890	948	890	925	913	965	909	942	900	917	6
7	906	914	901	907	890	924	886	936	887	932	900	963	908	938	900	918	7
8	915	923	912	931	909	945	883	941	900	953	900	964	917	941	900	926	8
9	911	917	915	937	900	944	881	947	900	940	910	949	916	940	906	930	9
10	920	920	928	928	900	955	873	966	900	970	914	969	918	945	911	926	10
11	914	934	918	927	900	952	879	950	900	965	914	972	924	936	909	921	11
Noon	915	923	915	938	923	956	875	960	900	967	914	967	932	948	912	931	Noon
13h	913	933	900	931	900	949	900	960	914	973	900	963	914	935	912	931	13h
14	912	930	913	933	900	937	888	961	900	977	900	974	915	938	912	931	14
15	913	932	900	943	887	962	889	952	900	974	900	969	915	937	906	927	15
16	912	930	900	944	882	945	887	965	900	959	900	960	915	938	905	923	16
17	911	929	890	947	882	944	900	951	884	979	900	955	909	943	904	919	17
18	910	924	892	938	883	941	900	963	887	966	900	944	908	939	894	931	18
19	904	921	894	931	885	938	900	948	886	972	900	954	910	923	893	917	19
20	904	921	896	921	894	929	900	939	889	953	907	935	905	923	894	914	20
21	900	912	897	914	895	922	900	927	886	969	900	947	903	916	894	913	21
22	900	921	897	913	896	920	900	935	890	949	900	940	903	913	895	912	22
23	900	916	897	915	895	925	900	942	886	973	900	948	900	929	895	911	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	912	894	914	900	912	900	915	908	918	903	916	908	911	906	904	Midnight
1h	894	914	893	915	900	910	900	915	905	911	905	924	905	912	907	905	1h
2	893	915	893	916	900	909	900	912	905	912	911	926	911	911	905	903	2
3	895	911	892	919	900	914	900	911	903	908	911	928	918	918	908	906	3
4	896	910	894	915	900	923	900	909	906	915	916	924	912	912	906	904	4
5	897	907	897	907	904	921	900	912	904	910	909	921	911	911	907	905	5
6	893	916	897	908	902	912	900	915	907	915	910	923	915	915	905	905	6
7	894	914	893	915	895	912	893	917	907	915	918	927	918	918	895	905	7
8	892	920	889	928	899	907	900	924	929	919	941	927	936	914	899	907	8
9	879	931	892	920	909	922	908	919	922	922	945	918	935	914	908	892	9
10	877	935	888	930	913	933	923	934	925	938	947	919	943	917	928	889	10
11	881	929	882	943	915	938	924	936	924	936	949	920	939	916	920	880	11
Noon	887	932	884	939	906	927	922	933	921	951	944	929	944	918	909	879	Noon
13h	884	889	879	950	913	933	917	943	919	946	959	939	942	917	910	877	13h
14	907	895	886	935	914	935	918	927	919	947	951	921	952	922	881	913	14
15	882	904	883	943	916	939	918	943	920	949	958	924	941	908	900	909	15
16	893	935	888	930	907	936	908	939	916	940	946	919	944	900	904	918	16
17	890	950	894	930	907	932	917	943	918	945	953	922	951	900	881	919	17
18	892	939	905	922	900	931	908	937	913	934	538	915	945	900	885	900	18
19	880	930	904	919	900	924	907	932	924	936	936	924	926	911	893	900	19
20	887	920	900	915	900	918	900	921	904	919	919	919	920	908	900	907	20
21	886	934	900	922	900	922	900	926	905	924	912	918	916	911	900	911	21
22	890	923	900	922	900	915	910	923	905	922	912	919	907	904	897	906	22
23	895	911	900	917	900	918	908	920	905	923	911	917	906	904	897	908	23

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

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

JANUARY 1927.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	897	907	900	906	896	910	895	926	893	910	886	922	894	928	893	916	Midnight
1h	897	907	900	911	897	908	887	932	893	909	880	930	894	927	894	915	1h
2	898	906	900	907	897	908	886	921	896	906	881	929	900	926	893	917	2
3	896	910	900	914	897	906	890	904	882	927	882	927	894	927	892	920	3
4	894	914	900	910	898	906	892	918	889	916	877	934	900	928	894	913	4
5	896	910	900	909	898	906	890	915	889	917	878	922	900	916	893	915	5
6	896	909	900	913	898	906	884	924	890	925	871	929	900	922	893	916	6
7	898	906	900	906	883	903	883	926	906	927	883	941	900	931	892	919	7
8	895	911	900	906	887	897	882	943	906	929	890	947	908	939	900	937	8
9	894	914	904	907	892	897	889	955	900	941	891	943	918	943	900	939	9
10	912	905	911	889	893	899	886	935	900	942	900	945	900	938	900	942	10
11	921	879	919	881	919	881	900	949	900	940	900	959	900	949	900	943	11
Noon	911	889	914	879	911	871	900	945	900	939	900	953	900	940	911	952	Noon
13h	890	915	919	871	887	919	872	968	900	943	910	950	900	943	900	946	13h
14	892	880	919	871	888	919	876	924	900	940	909	946	900	942	912	958	14
15	879	891	914	866	883	926	868	932	892	940	911	952	900	946	919	947	15
16	900	909	891	879	890	914	865	935	892	938	916	940	900	949	920	949	16
17	900	907	876	910	873	927	869	921	884	940	908	940	900	950	900	941	17
18	900	906	883	911	871	911	882	912	889	929	905	925	900	937	890	948	18
19	900	907	893	915	882	918	880	930	889	926	900	924	890	925	894	930	19
20	900	907	894	914	874	926	878	933	889	926	896	918	892	919	889	929	20
21	900	906	895	912	875	925	876	936	885	938	896	921	891	921	887	932	21
22	900	906	897	908	888	912	885	924	889	927	889	926	892	919	887	932	22
23	900	910	897	908	889	911	888	919	883	926	894	930	895	912	888	930	23

Day. / Hour	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	890	925	883	941	883	943	900	1062	883	859	896	921	893	893	896	922	Midnight
1h	892	918	891	944	900	953	879	1006	887	866	886	934	892	892	896	922	1h
2	885	923	884	939	890	951	818	982	873	873	891	944	894	894	894	921	2
3	886	922	885	938	887	963	812	988	875	875	890	948	894	894	893	922	3
4	884	924	883	942	900	972	814	986	889	883	900	916	889	900	894	923	4
5	883	925	884	939	885	976	791	1009	893	883	834	998	890	900	891	925	5
6	889	917	892	937	900	975	807	993	889	873	869	974	892	900	894	925	6
7	888	918	900	951	900	974	748	968	889	872	873	927	894	900	891	923	7
8	892	939	900	955	900	965	770	926	886	866	817	983	892	900	895	929	8
9	890	947	900	957	912	958	815	865	873	859	855	930	911	889	899	925	9
10	877	956	887	965	913	965	799	900	900	856	838	913	914	878	901	929	10
11	900	950	900	963	900	966	837	913	900	850	841	912	924	885	905	928	11
Noon	886	972	900	955	900	966	845	877	883	859	846	911	905	877	904	928	Noon
13h	888	960	900	957	900	968	852	852	885	862	863	900	893	884	901	929	13
14	887	966	900	956	914	971	825	850	889	874	873	873	913	909	902	928	13
15	887	965	900	955	900	966	849	849	900	872	875	875	900	913	900	929	14
16	887	966	890	950	900	995	838	838	900	882	869	869	900	916	899	929	15
17	887	962	890	947	900	996	857	857	900	893	868	868	900	917	897	932	16
18	900	953	890	947	900	1017	857	857	900	893	887	887	900	919	897	928	17
19	900	944	892	940	942	1003	866	866	915	900	890	893	896	919	899	926	18
20	892	940	891	944	941	1000	863	863	900	917	888	891	900	915	897	923	19
21	885	937	891	944	919	997	861	861	900	918	895	895	900	916	895	924	20
22	891	944	891	945	926	1035	866	866	896	920	896	896	900	910	896	923	21
23	890	947	881	947	922	1011	885	863	896	921	895	895	900	912	897	923	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during JANUARY 1927.

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

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	20	2·0	23	1·6	26	1·3	25	2·5	24	4·1	25	5·8	24	3·2	24	2·7	26	1·3	26	1·5	24	1·2	24	1·5	22	2·0	23	1·6	21	1·4	19	0·7
1h	20	1·3	23	1·8	26	1·8	25	2·2	24	2·9	25	6·5	24	3·3	24	2·9	26	1·5	26	1·7	24	1·0	24	1·5	22	1·2	23	2·5	22	1·3	19	0·9
2	21	1·5	23	1·9	26	1·6	26	2·7	24	3·4	24	6·3	24	3·4	24	2·4	26	1·7	26	1·8	24	0·9	24	1·2	22	1·3	22	2·8	20	1·5	19	0·6
3	21	1·1	23	1·7	26	1·3	26	3·0	25	3·0	24	5·2	23	3·0	24	2·0	26	1·2	26	2·1	24	1·4	24	1·1	22	0·9	22	3·0	20	2·5	19	1·0
4	21	1·6	23	1·3	26	1·7	26	4·6	25	3·1	25	8·0	23	3·4	24	1·5	26	1·1	26	1·6	24	2·3	24	0·9	22	1·6	21	2·9	20	1·7	19	0·7
5	22	1·3	23	1·2	26	1·8	25	4·6	26	3·2	24	6·5	23	2·7	24	2·3	26	0·8	26	0·8	23	2·1	24	1·2	22	1·1	22	2·3	20	1·5	19	0·9
6	22	0·9	23	2·0	26	2·1	25	4·9	26	2·7	23	6·6	23	4·3	24	1·7	26	1·8	26	0·9	23	1·2	24	1·5	22	1·7	22	2·5	20	2·1	20	0·7
7	22	1·5	23	0·7	26	2·6	26	3·9	26	3·4	24	6·3	23	3·9	24	1·8	26	1·5	26	1·7	26	1·3	26	1·9	22	1·7	21	3·3	20	2·6	28	0·7
8	21	2·7	22	3·3	23	4·6	26	4·4	24	5·3	24	6·4	22	4·4	24	2·6	26	2·2	26	3·0	25	0·7	24	2·4	19	3·5	19	4·9	18	3·9	25	0·7
9	21	2·0	22	4·0	24	4·4	26	5·1	24	4·0	23	5·0	22	4·3	23	3·1	27	3·7	26	2·2	22	2·4	22	2·1	r20	3·2	18	4·9	18	3·8	r12	1·1
10	20	2·9	20	4·0	24	5·5	26	7·1	24	7·0	23	7·0	22	4·9	22	2·8	27	4·2	26	3·2	22	3·5	21	4·1	21	4·6	18	5·1	18	4·6	14	3·0
11	22	3·7	21	3·3	24	5·2	26	5·4	24	6·5	23	7·3	21	4·4	22	2·3	27	3·5	26	4·7	22	4·1	21	4·4	21	4·3	18	5·3	18	4·2	12	2·9
Noon	21	2·7	22	4·1	22	6·1	26	6·5	24	6·7	23	6·8	21	5·8	22	3·3	26	3·4	26	4·2	23	2·8	21	4·0	22	5·5	19	5·3	18	4·8	10	2·3
13h	22	3·5	24	3·1	24	4·9	24	6·0	23	7·4	24	6·3	22	3·8	22	3·3	d 3	1·9	26	5·4	22	3·5	22	4·6	22	5·0	19	7·1	18	4·5	10	2·5
14	22	3·2	22	3·5	24	3·7	25	6·2	24	7·7	24	7·4	22	4·1	22	3·3	13	0·9	26	3·8	22	3·8	21	3·3	22	5·1	18	5·5	18	5·7	r29	2·3
15	22	3·4	24	4·3	25	6·3	25	5·3	24	7·4	24	6·9	22	4·0	23	2·8	r31	1·8	26	4·6	22	4·2	22	4·7	22	5·3	18	6·3	17	4·2	24	0·9
16	22	3·2	24	4·4	26	4·9	25	6·6	24	5·9	24	6·0	22	4·1	23	2·4	25	3·6	26	3·2	23	3·7	23	4·0	22	4·3	18	5·0	16	4·4	23	1·8
17	22	3·1	25	4·8	26	4·8	24	5·1	25	8·1	24	5·5	23	4·4	23	1·9	25	5·1	25	3·1	23	3·3	22	4·6	r22	4·9	18	5·8	16	5·1	28	2·7
18	22	2·6	25	3·9	26	4·4	24	6·3	25	6·7	24	4·4	23	4·0	25	3·2	25	4·0	23	2·3	24	3·1	23	3·8	22	3·6	18	4·1	16	4·5	32	1·5
19	23	2·1	25	3·2	26	4·1	24	4·8	25	7·3	24	5·4	22	2·5	26	1·9	27	3·6	23	1·9	24	2·4	23	3·3	21	4·3	19	4·3	18	2·8	32	0·7
20	23	2·1	25	2·1	25	3·0	24	3·9	25	5·4	23	3·6	23	2·4	26	1·5	27	2·4	24	1·5	24	1·8	24	2·1	23	1·9	20	2·7	18	2·2	24	0·7
21	24	1·2	25	1·4	25	2·3	24	2·7	25	7·0	24	4·7	23	1·6	26	1·4	26	3·7	24	2·2	24	2·2	24	2·6	23	2·5	21	2·1	19	1·9	24	1·1
22	24	2·1	25	1·3	25	2·0	24	3·5	25	5·0	24	4·0	23	1·3	26	1·3	26	2·5	24	2·2	24	1·5	22	2·5	23	2·3	21	2·2	19	0·8	26	0·7
23	24	1·6	25	1·5	25	2·6	24	4·2	25	7·4	24	4·8	24	2·9	26	1·2	26	1·2	24	1·7	24	1·8	22	2·2	23	2·4	21	2·0	19	0·7	26	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	26	0·8	24	0·6	26	1·1	25	2·7	27	1·2	27	2·6	25	2·9	26	1·8	26	2·7	26	4·4	26	4·6	24	16·2	6	4·4	25	2·2	4	1·0	2·7
1h	26	0·8	24	1·1	26	0·9	26	3·4	27	1·1	27	3·6	25	2·8	26	1·6	26	2·0	25	4·5	24	5·3	25	10·8	6	3·6	26	3·7	4	1·1	2·6
2	26	0·6	24	0·7	26	0·9	27	2·5	27	0·7	27	3·5	24	2·6	26	1·9	27	2·7	26	4·2	25	5·2	28	11·6	4	3·8	25	4·5	4	0·9	2·6
3	26	1·1	24	1·4	26	0·7	30	1·1	27	3·3	27	3·3	25	2·8	26	2·2	27	2·6	26	4·1	25	6·4	28	12·4	4	3·6	25	4·9	4	0·9	2·7
4	26	1·5	24	1·0	26	0·6	26	2·0	27	1·9	27	4·1	24	2·8	26	1·4	27	2·9	26	4·5	24	7·2	28	12·1	5	2·0	24	1·6	r32	1·1	2·7
5	26	1·1	24	0·9	26	0·6	27	1·8	27	2·0	28	3·1	24	1·6	26	1·7	27	3·0	26	4·2	25	7·7	28	15·5	6	1·9	27	11·8	32	1·0	3·0
6	26	1·0	24	1·3	26	0·6	27	2·9	26	2·7	28	4·1	24	2·2	26	1·8	27	2·0	25	3·8	24	7·5	28	13·2	6	2·9	26	8·0	32	0·8	3·0
7	26	0·6	24	0·6	31	1·7	27	3·1	23	2·8	26	4·4	24	3·1	26	2·1	27	2·1	24	5·1	24	7·4	30	16·6	6	3·0	28	3·9	32	0·6	3·1
8	26	1·2	24	0·6	d 1	1·3	26	4·7	23	3·0	25	4·8	23	4·0	24	3·7	25	4·0	24	5·5	24	6·5	31	13·2	6	3·7	28	11·8	32	0·8	4·0
9	26	1·5	21	0·8	2	0·9	25	5·6	24	4·1	25	4·4	22	4·7	24	3·9	25	4·8	24	5·7	23	5·9	d 2	9·2	5	4·9	29	5·4	d 12	1·6	3·8
10	18	1·3	r12	1·6	1	0·7	26	3·8	24	4·2	24	4·5	24	3·8	24	4·2	26	6·1	25	6·6	23	6·6	32	10·1	8	4·4	31	6·3	11	2·6	4·5
11	12	3·0	12	2·7	12	2·7	24	4·9	24	4·0	24	5·9	24	4·9	24	4·3	24	5·0	24	6·3	24	6·6	31	6·4	8	5·0	31	6·0	13	2·8	4·6
Noon	12	1·5	11	2·5	10	3·1	24	4·5	24	3·9	24	5·3	24	4·0	23	5·3	25	7·3	24	5·5	24	6·6	2	6·0	6	4·4	31	5·5	9	2·4	4·6
13h	d 27	1·8	11	3·5	r27	2·3	26	7·4	24	4·3	23	5·1	24	4·3	24	4·6	25	6·1	24	5·7	24	6·8	4	6·8	6	4·1	32	3·7	6	1·8	4·6
14	d 6	2·2	11	3·5	27	2·2	28	3·4	24	4·0	23	4·7	24	4·2	23	5·9	25	6·7	24	5·6	23	7·2	3	8·0	6	2·8	d 4	3·9	r19	1·6	4·4
15	2	2·3	10	3·7	27	3·1	28	4·5	25	4·1	23	5·3	24	4·6	22	5·1	25	6·6	24	5·5	24	6·6	4	7·2	8	2·8	4	3·6	24	1·3	4·5
16	r24	0·9	6	2·3	27	1·7	28	5·0	25	3·9	22	4·3	24	4·9	22	5·3	25	6·7	25	5·1	24	9·5	4	8·8	8	1·8	4	4·4	24	1·6	4·3
17	24	0·7	r30	2·6	28	3·8	29	3·7	26	4·3	23	4·1	24	5·0	24	4·1	25	6·3	25	4·8	24	9·6	4	6·1	8	0·7	4	4·5	24	1·7	4·3
18	24	0·6	29	2·0	30	3·1	29	2·1	26	3·1	23	2·6	24	3·7	25	4·9	24	5·3	25	4·8	24	11·7	4	6·2	8	0·7	4	1·9	24	1·9	3·8
19	24	0·7	26	1·7	28	2·5	27	3·6	26	2·8	24	2·4	26	2·7	25	3·1	24	4·4	25	4·1	22	11·1	4	4·9	16	1·5	3	1·2	25	1·9	3·3
20	24	0·7	26	1·5	28	3·7	27	4·0	26	2·8	25	1·8	26	2·1	26	3·1	25	4·1	25	4·5	22	10·8	4	5·3	d 24	1·7	3	1·5	24	1·5	2·9
21	24	0·6	26	1·3	28	3·5	27	4·3	26	4·1	25	2·2	26	2·3	26	3·4	26	4·0	25	4·5	23	9·9	4	5·5	24	1·8	4	0·7	24	1·6	2·9
22	24	0·6	26	0·9	28	1·7	27	2·8	26	2·9	26	2·8	26	2·1	26	3·4	25	4·5	25	4·6	23	13·7	* 4	4·9	25	2·0	4	0·6	24	1·0	2·7
23	24	1·0	26	0·9	28	1·6	27	2·2	27	3·1	25	3·1	26	1·3	26	3·2	25	4·8	26	5·1	22	11·3	6	4·0	25	2·1	4	0·7	24	1·2	2·7

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JANUARY 1927.

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	mm	mm	mm	mm	mm.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1h	...	...	0·1	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21·0	...	7·5	...
2	...	...	0·1	0·1	...	0·2	0·2	...	...	...	...	...	...	...	...	...	...	...	...	6·3	...	...	...	...	...	...	...	15·0	...	6·5	...
3	...	0·1	...	...	...	0·2	0·2	...	...	...	...	...	...	...	...	...	...	...	...	18·5	...	...	...	...	...	...	...	2·5	...	5·0	...
4	...	...	...	0·1	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	11·6	0·9	...	0·2	...	...	0·1	...	0·5	...	5·0	...
5	...	...	...	...	...	...	...	...	...	...	1·6	...	...	...	...	...	...	...	...	3·4	...	...	...	...	...	...	...	10·0	...	1·0	...
6	...	0·5	...	...	...	0·1	...	...	...	...	9·1	...	...	...	...	...	...	...	1·2	...	...	...	0·2	...	...	...	...	8·0	...	2·0	...
7	...	...	...	0·1	...	2·8	0·5	...	...	...	0·9	...	...	...	...	...	...	...	0·8	...	0·1	...	...	...	...	...	0·2	5·1	...	0·2	...
8	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	15·3	...	...	...
9	...	...	...	...	...	2·2	0·4	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	0·5	...	...	...
10	...	...	...	...	...	3·1	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	4·3	...	...	...
11	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	2·0	...	0·1	...	1·0	5·0	9·0	...	...	...
Noon	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	1·8	6·1	5·0	...	...	...
13h	...	...	...	...	...	0·8	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	5·0	2·9	1·7	...	...	...
14	...	...	...	...	...	1·4	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	1·2	...	...	...	1·8
15	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	8·0	...	...	...	...	...	...	...	...	...	...	3·8	...	...	...	0 2
16	...	...	...	...	...	0·1	0·1	...	...	...	...	...	...	...	...	22·0	3·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	1·1	...	...	0·1	...	...	...	...	...	...	0 1	3·0	...	...	...	1·2
18	...	...	...	...	...	2·4	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	0·1	1 9	...	0·2	...	...
19	...	...	...	0·1	0·1	1·0	...	...	...	...	...	...	1·2	...	...	0·1	...	...	...	...	...	...	...	...	...	0·7	10·0	0·3	31·8	...	3·6
20	...	...	...	...	...	...	...	...	...	...	...	...	2·6	...	...	...	...	...	...	...	...	...	...	...	...	...	12·0	...	6·1	...	1·0
21	...	0·1	...	1·0	...	...	...	...	...	...	...	...	0·1	...	...	...	0·2	...	...	...	...	...	...	1·2	...	...	3·0	...	0·9	...	...
22	...	...	...	0·1	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	10·0	...	2·0	...	...
23	0·1	...	...	...	...	0·2	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	0·1	...	...	...	...	...	30.3	...	0·3	...	...
24	0·1	0·1	0·5	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	15·6	...	4·7	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of JANUARY 1927.

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	15·78	400·8	154·7	15
	3	Belmont	50	17·02	432·3	135·9	12
	4	Poudre d'Or	20	17·79	451·9	127·8	15
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	16·74	425·2	227·8	21
	10	Mont Piton	360	17.68	449·1	246·4	18
	11	Mon Choix	700	18.44	468·4	253·5	19
	12	Antoinette	640	17·51	444·7	320·0	20
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	20·08	510·0	286·0	22
	15	Mon Songe	620	15·28	388·1	243·1	20
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	16 08	408·4	222·2	21
	19	The Observatory ...	179	16·35	415·1	193·3	25
	20	Solitude§	175	...	...	...	...
	21	St André§	90	11·66	296·2	183.4	9
	22	Belle Vue Harel§ ..	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ ...	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E.§ ...	600	...	...	...	..
	2	Constance d'Arifat L.G.	100	18·44	468·4	191·0	15
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	20·70	525·8	238·7	20
	5	Constance (Manès)§ ...	..	...	...	...	..
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	19·58	497·3	...	15
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ	20	...	...	...	...
	4	Belle Rive§	400	...	...	...	...
	5	Olivia§	400	...	...	...	...
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	..	...	...	...
5	1	Rose Belle§	850	28.77	730·7	...	23
	2	Riche-en-Eau§	460	...	..	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	..	...	...	...

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal mil	No. of days
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate* ...	...	12·82	325·6	...	11
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka§	2,000	..	...	...	...
	2	Tivoli*	1,300	21·82	554·2	...	21
	3	La Flora*	1,050	21·20	540·8	...	21
	4	Britannia§	730	16·78	426·2	...	22
	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	21·25	539·7	...	20
	10	Terracine§	100	...	...	...	...
	11	St. Félix S·E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	9·92	252·0	...	16
	15	Fontenelle*	...	12·24	310·9	...	11
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre§	40	..	...	...	...
	3	Beau Champ§	...	...	...	...	...
	4	Board§	...	...	...	...	...
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	184	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	28·98	736·1	...	29
	3	Mare aux Vacoas ...	1,850	32·71	830·8	...	25
	4	La Marie Filter Bed ...	1,700	...	...	...	...
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse	850	10·87	276·1	...	21
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma	1,460	20·77	227·5	...	23
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	16·16	410·5	...	21
	7	Trianon	950	13·04	331·2	...	17
	8	Salency§	923	...	...	...	...
	9	La Ferme*	950	10·30	261·6	...	17
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	13·95	354·3	...	28
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	..	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or	...	...	...	...	...
	17	Mon Repos§	...	...	..	...	...
13	1	The Albion Dock§ ...	..	..	...	...	...
	2	Institute*	...	9 37	238·0	...	9

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of JANUARY 1927.

Day \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulu		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		Cirro Stratus		Cirrus	
		Dir.	Vel·/Height	Dir.	Vel·/Height	Dir.	Vel·/Height	Dr.	Vel·/Height	Dir.	Vel·/Height	Dir.	Vel·/Height		Dir.	Vel·/Height	Dir.	Vel·/Height	Dir.	Vel·/Height	Dir.	Vel·/Height	Dir.	Vel·/Height	Dir.	Vel·/Height
	h		°		°		°		°		°		°	h		°		°		°		°		°		°
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	10h	...	...	265	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	11½	285	2·5	285	0·8	...	...	...	...	...	...	...	...	12¼	...	...	260	1·3	...	...	...	...	...	...	...	...
5	..	...	...	...	...	...	...	...	...	...	...	...	...	12¾	...	...	310	0·9	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
8	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
9	11¾	...	...	300	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	13¼	330	1·2	240	1·2	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	...	...	240	0·4	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	13h	...	...	270	0·5	240	0·8	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	14½	...	...	360	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	12	...	...	240	1·5	240	1·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	12½	...	...	270	1·0	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	15¼	315	1·1	330	0·6	...	...	...	...	...	...	...	...
20	12¾	...	...	240	1·1	285	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	11¼	255	1·3	285	0·7	...	...	..	...	...	...	...	...	14¾	...	...	300	0·3	...	...	...	...	...	...	...	...
22	13½	...	...	300	0·8	...	...	...	...	...	...	...	...	14¼	270	1·4	255	0·7	...	...	...	...	...	...	90	0·3
23	13½	300	0·8	285	1·4	...	...	...	...	...	...	90	0·3	14¾	...	...	300	1·0	...	...	...	...	90	0·2	..	...
24	11¾	...	...	300	0·6	...	...	...	...	...	...	...	...	13¾	285	1·1	270	0·5	...	...	...	...	...	...	...	...
25	11¼	285	1·2	270	0·5	...	...	...	...	..	...	...	...	12½	...	...	285	0·8	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	7½	...	...	75	0·4	...	...	...	...	...	...	90	0·3	11¾	...	...	300	0·5	...	..	...	...	...	...	...	...

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

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

FEBRUARY 1927

M. OLIVIER,

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

PORT LOUIS
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1927.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of FEBRUARY 1927

MAGNET BASEMENT UNDER REPAIRS

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of FEBRUARY 1927

MAGNET BASEMENT UNDER REPAIRS

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

FEBRUARY 1927.

MAGNET BASEMENT UNDER REPAIRS

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 1927.

MAGNET BASEMENT UNDER REPAIRS

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 1927.

MAGNET BASEMENT UNDER REPAIRS

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of FEBRUARY 1927.

Month and Day 1927	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees*	Wind. Velocity.	Highest.	Lowest.	Range				
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	962·8	25·3	3·4	19·5	71	22·4	303	5·3	Thermometer broken	20·3		3·7	0·0	8·2	63
2	964·3	25·5	3·5	19·5	69	22·4	292	2·6		19·2		2·6	0·0	6·9	53
3	964·7	24·9	3·8	18·4	67	21·0	281	2·7		19·1		3·4	0·0	7·4	57
4	963·7	26·0	3·1	20·8	73	24·3	247	2·8		20·3		2·6	0·0	8·1	63
5	961·4	25·8	2·8	21·0	75	24·6	202	0·6		20·8		5·3	0·0	9·1	71
6	960·3	24·7	0·8	23·3	92	28·3	90	0·6		21·8		9·2	3·7	5·0	39
7	960·8	26·5	3·3	20·9	71	24·5	236	0·6		20.1		5·1	20·1	6·3	49
8	961·6	26·3	2·1	22·8	81	27·5	270	0·6		21·8		7·0	3·3	4·2	33
9	962·6	26·6	2·1	23·1	81	28·0	270	0·6		21·2		6·4	95·7	11·8	92
10	963·9	25·9	2·8	21·1	75	24·8	259	2·9		21·4		7·2	47·5	10·4	81
11	964·2	25·1	1·5	22·5	86	27·0	259	3·1		21·8		8·0	0·0	8·8	69
12	964·6	23·2	1·1	21·3	89	25·1	259	6·7		21·4		9·7	1·7	2·2	17
13	965·1	23·2	1·1	21·3	89	25·1	270	2·7		20·6		10·0	5·0	1·5	12
14	962·7	25·6	2·9	20·7	74	24·2	281	5·8		20·5		8·4	3·2	7·7	61
15	961·7	24·9	2·3	20·9	78	24·5	270	2·8		20·9		9·7	0·1	3·8	30
16	962·5	22·9	0·7	21·7	93	25·7	281	0·6		20·0		10·0	50·6	0·8	6
17	962·8	23·0	1·2	20·9	88	24·5	180	1·8		21·5		10·0	21·8	0·0	0
18	962·1	24·5	0·6	23·5	94	28·7	180	1·3		21·4		10·0	80·1	2·0	16
19	959·1	23·9	0·3	23·6	98	28·8	90	4·7		22·6		10·0	54·7	2·9	23
20	959·3	24·6	2·4	20·5	78	23·9	67	1·5		19·6		6·7	7·6	9·1	72
21	961·7	22·4	1·5	19·8	85	22·9	360	0·9		17·2		5·1	1·5	8·5	68
22	963·3	24·4	4·5	16·7	62	18·8	315	2·0		18·6		1·7	1·4	11·4	91
23	964·4	24·9	3·0	19·7	73	22·7	292	2·2		19·5		4·2	0·0	5·2	41
24	964·1	24·5	2·4	20·4	78	23·7	292	2·5		20·7		4·5	4.0	8·2	65
25	960·1	24·9	1·8	21·8	83	25·9	292	1·8		20·3		7·0	1·2	5·2	42
26	959·2	24·4	2·2	20·6	79	24·0	303	2·5		20·4		8·3	2·7	3·4	27
27	955·2	22·9	0·5	22·0	95	26·2	292	5·2		20·8		10·0	28·0	0·1	1
28	948·0	...	...	...	...	...	247	9·8		...		10·0	56·2	0·0	0
Mean	961·6	24·6	2·1	21·0	80·6	24·7	272·9°	2·0		20·5		6·9	Sum 490·1	56·5	44·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.	Atmospheric Pressure	+ 40·9
	Temperature of the Air	+ 3·2
	Vapour Tension	+ 2·5
	Relative Humidity	− 7·1
	Direction of Wind	0.7°S
	Velocity of Wind	+ 0·6 m.p.s.
	Amount of cloud	− 0.6

Amount of rain	−238·6 m.m.
Duration of sunshine	+ 36·1 hrs.
Mean of highest temperatures	...
Mean of lowest temperatures	+ 2·5
Absolute highest temperature	...
Absolute lowest temperature	+ 2·7

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

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1927.

Month and Day 1927.	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)		Elasti Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0—10)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
FEB.	mbs.	mbs.	c	c	c	c	c	c		c			mbs.	c	mm.	min.	mm.	
1	1003·8	− 0·8	28·6	22·5	6·1	24·5	− 1·5	1·8	21·4	− 0·3	84	+ 6	25·4	18·1	4·8	48	5·1	5.8
2	1005·3	+ 0·7	28·4	20·3	8·1	24·4	− 1·6	2·3	20·4	− 1·3	78	0	23·7	18·6	1·0	9	3·1	4·8
3	1005·8	+ 1·2	28·1	20·2	7·9	24·5	− 1·4	2·0	21·1	− 0·6	82	+ 4	24·8	18·0	0·0	...	6·0	2·0
4	1004·6	0·0	29·2	22·1	7·1	25·8	− 0·1	1·8	22·7	+ 1·0	83	+ 5	27·3	20·8	0·0	...	6·0	3·0
5	1002·2	− 2·3	29·9	23·0	6·9	26·2	+ 0·3	1·6	23·5	+ 1·8	85	+ 6	28·7	21·8	7·0	20	7·0	4·4
6	1000·9	− 3·6	30·4	24·1	6·3	26·5	+ 0·6	1·4	24·1	+ 2·3	87	+ 8	29·7	22·8	5·9	45	5·9	6·4
7	1001·3	− 3·2	30·1	23·1	7·0	25·7	− 0·2	1·2	23·7	+ 1·9	89	+ 10	29·0	22·5	42·4	85	2·4	4·5
8	1001·9	− 2·6	30·1	24·0	6·1	26·5	+ 0·6	1·8	23·5	+ 1·7	84	+ 5	28·7	22·0	0·0	...	6·0	6·2
9	1002·9	− 1·6	30·7	24·0	6·7	27·0	+ 1·1	1·7	24·1	+ 2·3	84	+ 5	29·7	23·4	6·5	30	10·5	6·0
10	1004·3	− 0·1	29·5	24·3	5·2	27·0	+ 1·1	2·2	23·3	+ 1·5	80	+ 1	28·3	23·1	9·2	27	8·2	3·6
11	1004·4	0·0	29·4	24·7	4·7	26·7	+ 0·8	2·2	23·0	+ 1·2	80	+ 1	27·8	23·2	0·8	33	7·8	6·4
12	1005·1	+ 0·7	29·0	23·5	5·5	25·8	− 0·1	2·0	22·4	+ 0·5	82	+ 3	26·8	21·9	5·7	65	6·7	7·0
13	1004·9	+ 0·5	28·4	23·1	5·3	25·3	− 0·5	1·9	22·1	+ 0·2	82	+ 3	26·3	20·6	1·9	32	5·7	9·6
14	1003·2	− 1·3	28·9	22·9	6·0	25·5	− 0·3	2·4	21·4	− 0·5	78	− 1	25·2	21·6	0·0	...	7·0	7·9
15	1002·3	− 2·2	28·8	22·9	5·9	24·9	− 0·9	1·6	22·2	+ 0·3	85	+ 6	26·5	21·9	16·9	55	9·9	9·4
16	1002·6	− 1·9	27·2	22·9	4·3	24·7	− 1·1	1·3	22·5	+ 0·6	88	+ 9	27·0	22·0	6·7	110	3·2	9·9
17	1003·0	− 1·5	26·7	23·6	3·1	24·7	− 1·1	1·0	23·0	+ 1·1	90	+ 10	27·8	22·4	50·6	284	3·0	10·0
18	1002·7	− 1·8	29·8	24·0	5·8	26·9	+ 1·1	1·2	24·9	+ 3·0	89	+ 9	31·2	25·1	4·8	94	5·5	9·6
19	1000·3	− 4·2	28·5	24·7	3·8	26·7	+ 0·9	1·3	24·5	+ 2·6	88	+ 8	30·4	22·7	0·8	37	5·0	8·0
20	1000·1	− 4·4	29·0	21·4	7·6	25·9	+ 0·2	1·8	22·9	+ 1·0	83	+ 3	27·6	19·0	0·2	10	7·2	5·8
21	1002·3	− 2·2	28·5	19·9	8·6	24·6	− 1·1	2·6	20·2	− 1·7	77	− 3	23·4	18·2	0·0	...	6·0	3·3
22	1004·2	− 0·4	28·8	21·7	7·1	24·8	− 0·9	3·0	19·7	− 2·2	73	− 7	22·7	18·9	0·0	...	5·3	2·7
23	1004·9	+ 0·3	28·9	22·3	6·6	25·3	− 0·4	2·7	20·7	− 1·2	76	− 4	24·2	20·7	0·0	...	6·0	4·4
24	1003·7	− 1·0	28·8	23·1	5·7	25·6	− 0·1	2·6	21·2	− 0·7	77	− 3	24·9	19·0	0·0	...	5·8	5·0
25	1001·0	− 3·7	29·0	22·3	6·7	25·5	− 0·2	2·0	22·1	+ 0·2	81	+ 1	26·3	19·7	2·9	75	4·9	7·0
26	999·1	− 5·6	28·9	24·0	4·9	26·1	+ 0·5	2·6	21·7	− 0·2	77	− 3	25·7	21·4	0·0	...	5·0	6·0
27	994·2	− 10·6	28·7	24·2	4·5	26·2	+ 0·6	2·1	22·7	+ 0·8	81	+ 1	27·3	22·0	3·6	85	4·6	8·5
28	987.6	− 7·2	25·9	23·9	2·0	24·7	− 0·9	0·7	23·5	+ 1·6	93	+ 13	28·7	22·8	79·8	580	2·5	10.0
Mean	1002·1	− 2.4	28·9	23·0	5·9	25·6	− 0.2	1·9	22·4	+ 0.6	82·7	+3.4%	27·0	20·1	Sun. 251·5	Sum 1724	5·8	6·3
Aver.	1004·5	...	29·7	22·8	6·9	25·8	...	2·3	21·8	...	79·3	...	25·9	20.5	213·3	2124	5·3	6·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF FEBRUARY 1927.

Except on 5 days, pressure was generally below normal. In the mean for the month it was 2.4 mbs below.

On the 24th a cyclone formed in about Latitude 15 % S and Longtitude 64% E travelling at a rate of 4 to 5 miles per hour, describing an open curve North and West of the Island on the 27th and 28th. The lowest pressure was recorded at 9h on the 28th.

Temperature was variable, but practically normal in the mean for the month.

Relative Humidity was above normal on all days except on the 14th, 21st to 24th and 26th. It was 3.4% above in the mean.

Rainfall was 13% above normal at the Observatory and fell on 19 days.

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

Northern Districts	River System 1,	24% below
Eastern Districts	,, ,, 2, 3, 4,	6% ,,
South-Eastern Districts	,, ,, 5 & 6	10% ,,
Western Districts	River System 11	39% above
	,, ,, 12	29% ,,
	,, ,, 13	6% ,,

5th August, 1927

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1927

Month and Day 1927.	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	6 inches	3 inches	Weather
FEB.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	
1	4·6	35	— 0·8	+ 1·6	297	1·8	1·8	— 1·7	25·6	26·8	27·4	27·4	27·2	27·7	b : c : c : f .
2	7·0	54	— 1·0	+ 1·5	304	1·8	2·0	— 1·5	25·5	26·8	27·5	27·4	26·8	27·4	f : c : f .
3	12·4	96	— 0·2	+ 0·3	275	2·3	2·4	— 1·1	...	...	27·5	27·2	27·0	28·0	b : f : b .
4	10·6	82	+ 0·6	+ 2·1	254	2·2	2·3	— 1·2	...	...	27·6	27·6	27·3	28·5	b : f : b .
5	8·5	66	+ 1·6	+ 0·2	187	1·6	1·9	— 1·5	25·3	27·4	27·7	28·1	28·0	29·2	b : f c .
6	7·5	58	+ 0·1	— 0·5	101	0·5	1·5	— 1·9	25·4	27·7	27·8	28·3	28·6	29·6	c : f : ct : f .
7	6·3	49	— 0·5	+ 0·9	299	1·0	1·5	— 1·9	25·6	27·9	28·0	28·7	28·4	28·7	b : f : ogr : f .
8	8·2	64	— 0·1	+ 1·8	273	1·8	1·9	— 1·5	25·4	27·5	28·2	28·2	28·1	29·1	f : c .
9	8·6	67	— 0·2	+ 1·4	278	1·4	2·1	— 1·3	25·4	27·8	28·2	28·5	28·7	29·9	f : cg .
10	11·6	91	— 0·4	+ 2·7	278	2·7	2·9	— 0·5	-	...	28·3	28·4	28·9	29·5	cg : f .
11	10·5	82	+ 0·1	+ 3·5	268	3·5	3·7	+ 0·3	25·6	27·7	28·4	29·1	29·1	30·1	f : c : f : cg .
12	6·2	48	— 0·2	+ 3·3	274	3·3	3·4	— 0·0	25·5	27·7	28·6	29·1	28·6	29·2	f : c : og .
13	3·9	31	— 0·9	+ 3·1	286	3·2	3·3	— 0·1	25·6	27·3	28·6	29·0	27·9	28·6	og .
14	8·2	65	— 1·5	+ 3·0	297	3·3	3·5	+ 0·1	25·6	27·7	28·7	28·8	27·5	28·3	cg .
15	3·8	30	— 0·2	+ 2·8	274	2·8	3·2	— 0·2	25·7	27·7	28·7	28·6	27·4	28·0	og .
16	1·3	10	— 0·4	+ 2·3	280	2·3	2·4	— 1·0	25·5	26·9	28·7	28·3	27·1	27·9	ogl .
17	0·0	0	+ 0·5	0·0	180	0·0	1·3	— 2·1	25·6	27·3	28·7	28·0	26·9	27·4	ogrt .
18	6·8	54	+ 3·2	— 2·0	148	3·7	4·0	+ 0·6	25·5	26·9	28·6	27·7	27·0	28·2	ogl .
19	6·6	52	— 0·3	— 4·9	87	4·9	5·2	+ 1·8	25·4	27·5	28·4	28·1	27·7	29·2	cg : f .
20	10·8	86	— 1·4	— 2·6	62	2·9	3·1	— 0·3	25·5	26·9	28·4	28·4	28·0	29·5	f .
21	10·9	87	— 2·3	— 0·8	19	2·4	3·0	— 0·4	25·4	27·5	28·4	28·5	27·9	29·2	f .
22	9·2	73	— 1·7	+ 1·6	317	2·3	2·6	— 0·8	25·4	27·5	28·4	28·4	27·6	28·7	b : f : b .
23	6·8	54	— 1·4	+ 3·2	294	3·5	3·5	+ 0·1	25·5	27·5	28·4	28·1	27·2	28·2	b : c : f .
24	7·8	62	— 1·2	+ 3·2	291	3·4	3·4	0·0	25·5	2.75	28·3	28·1	27·2	28·3	f : c : f .
25	5·8	46	— 1·0	+ 1·6	302	1·9	2·3	— 1·1	25·5	27·5	28·3	28·1	27·3	28·5	f : c : f .
26	7·3	58	— 2·9	+ 3·7	308	4·7	4·9	— 1·5	25·4	27·5	28·4	28·2	27·6	28·9	f : cl .
27	3·4	27	— 2·6	+ 6·2	293	6·7	6·9	— 3·5	25·5	27·5	28·3	28·1	27·5	28·6	cg : ogq .
28	0·0	0	+ 5·0	+ 8·2	239	9·6	10·4	— 7·0	25·5	27·5	28·2	27·9	26·6	26·9	ogqr .
Mean	6·94	54·5	—0·36	+1·76	281·6	1·80	3·23	—0.18	25·50	27·42	28·22	28·22	27·67	28·61	...
Average	7·41	58·3	—0·31	+2·24	277·9	2·26	3·41	..	25·09	26·92	28·16	28·62	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF FEBRUARY 1927.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1007·3mbs	at	23h	on 2nd	986·2mbs	at	16h	on 28th
Temperature of the Air	30·7C	at	13·35	on 9th	19·9C	at	5·40h	on 21st
Daily range of temperature of the Air...	8·6C		...	on 21st	2·0C		...	on 28th
Temperature of the Dew Point	26·0C	at	21h	on the 18th	18·0C	at	7h	on 21st
Daily range of temperature of the Dew Point	4·7C	...	...	on 5th	1·1C		...	on 14th & 24th
Relative humidity...	98·5%	at	21h	on 5th	53·0%	at	12h	on 22nd
Wind Velocity	12·4 m.p.s.	at	10h	on the 28th	0·6 mps		often	often
Rainfall	79·8 ending		24h	on the 28th	..		...	...
Temperature of the soil at 3 ins. ...	32·3C	at	15h	on 6th	26·5C	at	6h	on 3rd
, at 6 ins. ...	30·3C	at	18	on 11th	26·6C	at	9h	on 3rd
Duration of sunshine	12·4 hrs.		...	on 3rd	0·0hrs.		...	17th 28th
Amount of Evaporation in 24 hours	10·5mm.		...	on 9th	2·4 m.m.		...	on 7th
Vapour Tension	33·3mbs	at	21h	on 18th	20·4 mbs	at	7h	on 21st
Minimum on Grass	...		...	...	18·0C		...	on 3rd

Number of Days Overcast, 11, Clear 2, of Rain 19, of Lightning 3, of Thunderstorm 3.

Mean Day Temperature of Air, 27·19C. Average, 27·63C. Mean Night Temperature of Air, 24·10C. Average, 24·11C.

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

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

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

FEBRUARY 1927.

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	0043	0058	0070	0066	0050	0026	0021	0022	0032	0047	0056	0057	0061	0050	0044	0043	Midnight
1h	0040	0052	0066	0061	0042	0020	0014	0019	0027	0041	0050	0051	0056	0044	0035	0035	1h
2	0037	0046	0062	0056	0034	0014	0007	0016	0024	0035	0044	0045	0051	0038	0026	0027	2
3	0033	0041	0058	0050	0027	0007	9999	0015	0018	0030	0038	0039	0047	0032	0017	0018	3
4	0032	0044	0060	0053	0027	0010	0003	0014	0016	0027	0034	0039	0045	0033	0016	0018	4
5	0034	0047	0062	0055	0026	0013	0007	0017	0021	0032	0037	0043	0049	0033	0016	0018	5
6	0036	0051	0064	0057	0025	0015	0012	0021	0026	0038	0041	0048	0054	0033	0016	0018	6
7	0037	0054	0057	0055	0024	0013	0014	0025	0028	0044	0045	0052	0060	0035	0020	0033	7
8	0038	0055	0051	0053	0024	0015	0015	0024	0031	0046	0046	0054	0060	0036	0024	0031	8
9	0039	0056	0070	0051	0023	0018	0016	0024	0035	0049	0048	0055	0061	0037	0028	0030	9
10	0034	0052	0063	0047	0022	0015	0015	0022	0033	0048	0046	0053	0056	0032	0026	0031	10
11	0034	0047	0055	0043	0020	0007	0015	0020	0031	0046	0044	0051	0052	0030	0023	0031	11
Noon	0034	0046	0054	0037	0019	9996	0012	0019	0027	0045	0044	0049	0048	0027	0020	0028	Noon
13h	0032	0045	0051	0034	0015	9996	0009	0015	0025	0042	0040	0047	0044	0022	0016	0021	13h
14	0030	0042	0048	0031	0011	9995	0006	0011	0023	0039	0036	0045	0040	0017	0012	0014	14
15	0027	0038	0045	0027	0007	9995	0004	0007	0020	0034	0032	0043	0037	0012	0008	0007	15
16	0029	0044	0046	0030	0006	9997	0008	0007	0021	0033	0034	0044	0037	0015	0010	0010	16
17	0031	0051	0047	0034	0005	9999	0012	0006	0022	0033	0036	0045	0036	0018	0013	0014	17
18	0035	0055	0054	0038	0014	0000	0013	0012	0026	0039	0044	0049	0041	0025	0017	0017	18
19	0040	0059	0056	0041	0017	0005	0016	0017	0031	0045	0047	0054	0044	0030	0022	0021	19
20	0045	0063	0058	0044	0020	0010	0019	0022	0036	0051	0050	0059	0047	0035	0027	0025	20
21	0050	0067	0061	0048	0022	0016	0021	0026	0042	0057	0054	0064	0051	0040	0033	0030	21
22	0052	0070	0064	0049	0024	0018	0022	0029	0046	0062	0056	0065	0052	0042	0036	0047	22
23	0054	0073	0068	0052	0029	0022	0023	0034	0050	0060	0059	0064	0051	0046	0042	0048	23

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

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	...	...	...	Mean	Day / Hour
Midnight	0040	0045	0026	0009	0020	0041	0066	0050	0026	0017	9977	9914	...	...	...	1003·5	Midnight
1h	0032	0039	0020	0003	0017	0039	0061	0044	0021	0011	9973	9908	...	...	..	1002·9	1h
2	0024	0033	0014	9997	0014	0037	0054	0038	0016	0005	9969	9894	...	..	...	1002·3	2
3	0016	0027	0008	9990	0010	0035	0047	0032	0012	9999	9965	9871	...	...	...	1001·7	3
4	0020	0024	0006	9992	0012	0037	0047	0034	0012	0000	9956	9874	...	...	...	1001·7	4
5	0024	0021	0004	9994	0014	0039	0046	0036	0012	0002	9954	9873	...	...	...	1001·9	5
6	0027	0018	0003	9996	0017	0040	0046	0039	0012	0003	9954	9873	...	...	...	1002·1	6
7	0028	0024	0007	9999	0018	0044	0050	0043	0010	0003	9956	9874	...	...	...	1002·3	7
8	0021	0028	0007	0000	0023	0044	0051	0048	0012	0004	9954	9874	..	...	...	1002·4	8
9	0034	0033	0007	0002	0028	0044	0052	0053	0014	0005	9952	9877	...	...		1002·6	9
10	0034	0030	0003	0004	0025	0042	0055	0052	0016	0003	9953	9889	...	...	...	1002·5	10
11	0034	0027	0001	0006	0025	0041	0058	0051	0018	9997	9960	9878	...	...	...	1002·3	11
Noon	0031	0026	0000	0000	0025	0040	0052	0043	0001	9990	9943	9881	...	...	...	1001·9	Noon
13h	0027	0024	9997	9997	0021	0036	0048	0038	9999	9985	9932	9871	...	...	...	1001·5	13h
14	0023	0022	9994	9994	0017	0032	0044	0033	9996	9978	9928	9865	...	...	...	1001·2	14
15	0020	0019	9990	9990	0013	0028	0041	0028	9996	9974	9921	9865	..	...	...	1000·8	15
16	0022	0019	9991	9993	0013	0032	0040	0026	9996	9975	9921	9862	...	...	...	1000·9	16
17	0025	0018	9992	9996	0014	0036	0038	0024	9996	9976	9922	9863	...	...	...	1001·1	17
18	0030	0026	9996	9998	0020	0039	0039	0028	0002	9975	9926	9865	...	...	...	1001·5	18
19	0024	0028	9997	0003	0026	0045	0043	0029	0006	9978	9923	9866	...	...	...	1001·9	19
20	0038	0030	9998	0008	0032	0051	0047	0030	0010	9981	9929	9876		...		1002·3	20
21	0043	0032	0000	0004	0039	0056	0051	0030	0014	9985	9930	9879	...	...	...	1002·7	21
22	0050	0030	0004	0018	0042	0060	0052	0031	0017	9983	9925	9884	...	...	...	1003·0	22
23	0048	0028	0010	0022	0045	0066	0054	0030	0020	9979	9922	9882	...	...	...	1003·1	23

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

Hour. \ Day.	FEBRUARY 1927.																															Mean.
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	...	...	...	
Midnight	1	3	1	0	1	8	0	4	1	10	3	5	8	8	8	10	10	10	9	5	2	1	0	2	1	5	7	10	...	...	...	4·7
1h	1	3	2	0	1	9	0	3	1	9	3	4	10	7	9	10	10	10	9	6	2	1	0	2	2	5	8	10	...	...	...	4·9
2	2	5	1	0	2	9	0	3	1	5	2	4	10	8	9	10	10	10	10	8	3	1	0	1	3	4	8	10	...	...	...	5·0
3	2	0	0	0	3	9	0	4	1	1	2	2	10	8	9	10	10	10	10	9	4	2	1	1	4	4	9	10	...	...	...	4·8
4	2	3	0	1	2	9	0	5	2	2	3	2	10	7	9	10	10	10	8	7	4	1	1	2	6	5	7	10	...	...	...	4·9
5	8	4	0	1	2	9	0	3	2	3	4	5	10	5	9	10	10	10	10	6	4	1	1	2	8	5	8	10	...	...	...	5·3
6	9	2	1	3	4	9	1	3	4	4	9	4	10	6	9	10	10	10	10	7	3	2	3	3	9	7	9	10	...	...	...	6·1
7	9	2	1	2	3	9	1	3	4	4	8	4	10	7	9	10	10	10	9	7	3	2	9	4	9	8	9	10	...	...	...	6·3
8	9	4	1	3	3	9	1	3	4	4	8	4	10	8	9	10	10	10	9	7	3	1	7	4	9	6	9	10	...	...	...	6·2
9	9	3	4	5	5	6	5	4	5	3	8	5	9	8	8	8	10	10	8	7	10	0	2	5	6	6	8	10	...	...	...	6·3
10	8	6	3	5	4	4	7	7	8	3	7	6	9	8	9	10	10	10	10	7	8	1	9	4	7	6	9	10	...	...	...	7·0
11	8	8	4	4	4	4	8	8	8	3	7	8	10	8	9	10	10	10	10	7	6	3	8	8	7	6	9	10	...	...	...	7·3
Noon	9	8	4	4	5	4	10	9	9	4	7	9	10	8	10	10	10	10	10	7	4	6	8	9	7	6	6	10	...	...	...	7·6
13h	9	8	4	4	5	5	10	9	9	4	6	9	10	8	10	10	10	10	10	6	4	6	6	9	8	6	6	10	...	...	...	7·5
14	9	8	4	3	5	5	10	8	9	3	6	9	10	9	8	10	10	9	8	3	3	6	8	9	10	6	6	10	...	...	...	7·3
15	10	9	4	3	5	5	7	9	9	3	5	9	10	9	10	10	10	9	8	6	2	8	8	9	10	6	6	10	...	...	...	7·5
16	10	9	4	6	4	7	8	9	9	3	6	9	10	9	10	10	10	9	8	6	2	8	7	9	10	8	10	10	...	...	...	7·9
17	7	9	3	7	5	9	9	9	9	4	7	10	10	9	10	10	10	10	7	7	2	6	6	9	10	10	10	10	...	...	...	8·0
18	2	8	3	8	10	9	8	9	9	4	9	10	10	8	10	10	10	10	6	7	2	4	5	9	10	10	10	10	...	...	...	7·9
19	2	6	2	7	4	8	6	9	9	4	9	10	9	8	10	10	10	10	6	8	5	3	3	8	10	6	10	10	...	...	...	7·2
20	2	5	2	4	5	6	4	9	7	3	9	10	9	8	10	10	10	10	5	4	2	2	2	6	8	4	10	10	...	...	...	6·3
21	1	3	1	1	6	4	3	9	4	3	9	10	9	8	10	10	10	10	4	0	1	0	6	2	3	3	10	10	...	...	...	5·4
22	4	0	0	1	6	1	3	7	7	2	9	9	9	9	10	10	10	7	5	1	1	0	3	2	4	5	10	10	...	...	...	5·2
23	4	1	0	1	7	1	4	4	9	3	7	9	9	9	10	10	10	7	4	1	1	0	1	1	4	7	10	10	...	...	...	5·1

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

Hour* Ending \ Day.	FEBRUARY 1927.																															Total.
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	...	...	...	
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hr
6h	0	14	20	22	19	0	20	2	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	...	...	1·9
7	9	60	60	60	60	0	60	60	60	42	47	52	3	27	0	0	0	0	0	36	59	60	16	58	0	9	4	0	...	...	...	14·0
8	0	60	60	60	60	0	60	60	60	53	60	60	17	53	1	0	0	0	35	60	60	60	36	60	48	60	28	0	...	...	...	18·5
9	12	60	60	60	40	6	60	60	60	60	60	57	5	60	28	2	0	12	55	60	15	60	60	60	53	6	26	0	...	...	...	18·3
10	58	60	60	60	60	55	60	60	60	60	60	55	43	60	59	0	0	55	11	55	40	60	50	45	60	1	11	0	...	...	...	21·0
11	37	60	60	60	55	60	1	60	60	60	60	48	60	59	54	0	0	58	18	50	59	58	46	60	60	40	0	0	...	...	...	20·7
Noon	16	27	60	60	47	60	0	60	60	60	60	50	50	48	19	2	0	45	18	60	60	53	44	52	60	60	42	0	...	...	...	19·6
13h	10	20	60	60	16	51	0	60	58	60	60	43	1	36	31	37	0	50	21	60	60	50	60	30	30	55	45	0	...	...	...	17·7
14	12	5	60	60	0	54	12	60	38	60	60	4	29	20	36	4	0	58	55	60	59	28	30	6	0	58	27	0	...	...	...	14·9
15	0	2	60	58	30	50	33	10	28	60	60	0	6	19	0	3	0	60	53	50	60	10	38	1	10	52	19	0	...	...	...	12·9
16	0	38	60	30	60	48	2	0	0	60	59	0	20	36	0	26	0	30	55	55	60	12	22	4	14	50	0	0	...	...	...	12·4
17	50	13	60	48	49	11	13	0	11	60	22	0	0	55	0	4	0	33	58	59	60	50	8	60	15	48	0	0	...	...	...	13·1
18	60	0	60	0	13	30	58	0	5	60	22	0	0	17	0	0	0	7	15	43	60	52	0	30	0	0	0	0	...	...	...	8·9
19	9	0	4	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	...	...	0·6

The total amount of registered sunshine was 194·6 hours and the total possible sunshine 356·1 hours.

* Reckoned from apparent midnight.

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

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

FEBURARY 1927

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

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

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

FEBRUARY 1927

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.	24 Air.	24 Excess of Air over Evap.	Day / Hour
Midnight	24·0	1·0	24·4	0·7	26·1	0.5	24·5	0·4	21·4	0·2	23·0	1·6	22.3	1.3	24·0	1·6	Midnight
1h	24·0	0·9	24·3	0·3	26·0	0.5	24·6	0·6	21·6	0.7	22·7	1·5	22.5	1·3	23·8	1·8	1h
2	23·9	0·8	24·7	0·3	26·1	0.6	24·7	0·7	21·0	0·4	22.7	1·8	22.4	1·2	23·7	1·6	2
3	24·2	1·0	25·2	0·3	26·1	0.6	24·7	1·0	20·7	0·5	22·6	1·5	22.5	1·2	23·5	1·3	3
4	24·3	1·1	25·4	0·4	26·1	0.6	24·8	1.3	20·3	0·3	22·2	1·6	22.7	1·5	23·7	1·5	4
5	24·2	0·9	25·4	0·4	26·2	0.8	24·8	1·3	20·0	0·2	22·0	1.5	22.9	1·7	23·0	1·5	5
6	24·0	0.6	25·4	0·4	26·0	0·9	24·2	0·7	20·0	0.3	21·7	1.7	23.0	1·6	23.7	1·4	6
7	23·8	0·6	25·5	0·5	25·9	0.9	24·4	0·8	23·0	2.9	23·0	2·0	24.3	2·5	24.9	2·1	7
8	24·0	1·0	25·9	0·9	26·6	1.4	26·0	1·4	26·0	4.2	25·2	3·2	26.1	3·7	27.0	3·1	8
9	24·7	1·1	26·7	1·6	28·3	2.1	27·3	1·7	24·0	1.3	26·8	3·8	27.1	4·2	27·9	3·9	9
10	24.9	0·9	27·8	2·5	27·9	1·5	28·3	1·9	26·2	3.1	27·4	5·3	28.2	5·2	28.0	4·0	10
11	25.5	1·5	29·1	2·7	28·3	1.7	28·6	2·0	27·6	3.9	28·2	6·0	28.1	4·7	28·8	4·8	11
Noon	26·0	2·1	29·8	2·7	28·2	2.3	28·7	2·8	28·3	4.7	28·8	6·4	28.0	4·4	28·5	4·4	Noon
13	25·0	1·6	28·9	2·0	27·9	1.9	28·9	3·1	28·0	4.2	28·6	5·6	29.5	5·8	27·4	3·4	13h
14	25·6	1·7	29·3	2·1	28·1	1.7	28·9	3.4	28·0	4.1	28·4	4·8	26.8	3·1	26·9	3·0	14
15	26·1	0·9	29·5	2·4	28·0	2.3	28·8	3.9	28·4	4.7	27·5	3·9	27.7	3·7	26·9	3·1	15
16	26.7	1.7	28·5	1·8	27·9	2.3	28·2	3.5	28·3	4.7	27·1	4·4	26.4	2·6	27·1	3·4	16
17	26·3	1·7	28·6	2·0	27·1	2.0	27·2	3.2	28·0	4·6	26·8	4·3	26.4	3·0	27·4	3·9	17
18	24·7	0·4	27·0	1·0	26·5	2 2	26·6	3·3	27·6	4·2	25·6	3·2	25.7	2·3	26·5	3·4	18
19	24.6	0·5	27·0	1·1	25·8	1.6	26·0	2·8	25·4	2·8	24·1	2·4	24.9	2·1	25·0	2·4	19
20	24·3	0·3	26·8	1·0	25·4	1.0	25·0	2·0	24·8	2·8	23·0	1·6	24.6	1·7	24·7	2·2	20
21	24·0	0·2	26·0	0·2	25·5	0.8	24·1	1·5	24·4	2·5	23·1	1·7	24.4	1·6	24·4	1·7	21
22	23·9	0·3	26.4	0·5	25·6	0.9	22·7	0·6	23·8	2·2	22·9	1.8	24.8	2·2	24·1	1·6	22
33	24·0	0·6	26·5	0·7	25·0	0·5	22·0	0·5	23·2	1·5	22 4	1.4	24.6	2·0	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.	...	...	...	...	...	...	Mean Air.	Mean Excess of Air over Evap.	Day. / Hour.
Midnight	23·2	1·4	24·6	1·2	25·3	1·7	24·2	0·8	...	...	...	...	...	...	23·9	0·9	Midnight
1h	22·6	1·0	24·6	1·2	25·0	1·4	24·8	1·2	...	...	...	...	...	...	23·8	0·9	1h
2	22·8	1·1	24·6	1·2	25·4	1·6	24·0	0·4	...	...	...	...	...	...	23·7	0·8	2
3	22·3	0·7	24·5	1·1	25·5	1·8	24·7	0·9	...	...	...	...	...	...	23·7	0·9	3
4	23·4	1·1	24·4	1·3	25·8	2·0	24·9	1·2	...	...	...	...	...	...	23·7	0·9	4
5	23·4	0·6	24·1	1·1	25·3	1·3	25·5	1·5	...	...	...	...	...	...	23·6	0·9	5
6	23·7	0·8	24·2	1·4	25·7	1·7	25·2	1·4	...	...	...	...	...	...	23·6	0·9	6
7	24·0	1·0	24·8	1·8	26·1	2·1	24·4	0·9	...	...	...	...	...	...	24·7	1·5	7
8	25·9	1·5	26·4	2·9	26·6	1·8	24·6	0·8	...	...	...	...	...	...	26·2	2·3	8
9	27·0	2·4	26·8	3·1	27·0	2·0	24·5	0·3	...	...	...	...	...	...	27·1	2·7	9
10	28·2	3·7	27·6	3·7	27·0	2·2	25·5	1·3	...	...	...	...	...	...	27·8	3·1	10
11	28·8	4·2	28·0	4·1	26·2	1·8	25·8	1·7	...	...	...	...	...	...	28·2	3·3	11
Noon	29·0	4·2	28·8	4·7	28·3	4·0	25·0	0·8	...	...	...	...	...	...	28.2	3·5	Noon
13h	29·0	4·2	28·6	4·6	27·5	3·0	24·8	0·3	...	...	...	...	...	...	28·1	3·3	13h
14	27·1	2·4	28·6	4·5	28·1	4·0	24·7	0·2	...	...	...	...	...	...	27·9	3·1	14
15	26·8	2·8	28·2	4·2	28·2	3·8	24·6	0·4	...	...	...	...	...	...	27·7	2·9	15
16	27·0	3·0	28·0	4·2	26·4	1·8	24·2	0·2	...	...	...	...	...	...	27·3	2·7	16
17	26·6	2·6	27·1	3·5	26·4	2·4	24·0	0·2	...	...	...	...	...	...	26·8	2·6	17
18	26·6	2·6	26·4	2·9	26·2	2.2	24·5	0·3	...	...	...	...	...	...	26·2	2·2	18
19	24·7	1·0	25·6	2·3	26·0	2·4	24·9	0·4	...	...	...	...	...	...	25·3	1·6	19
20	25·0	1·2	25·3	2·2	26·0	2·5	24·8	0·3	...	...	...	...	...	...	24·9	1·3	20
21	24·9	1·2	25·1	1·9	24·6	1·2	24·6	0·4	...	...	...	...	...	...	24·5	1·0	21
22	24·8	1·2	25·0	1·6	24·8	1·6	24·4	0·4	...	...	...	...	...	...	24·3	1·0	22
23	24·7	1·2	25·4	1·9	24·8	1·5	24·3	0·4	...	...	...	...	...	...	24·2	1·0	23

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

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

FEBRUARY 1927.

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	893	916	890	910	892	911	900	915	905	911	906	901	900	913	890	914	Midnight
1h	892	911	894	906	891	912	900	913	905	912	906	901	900	911	893	909	1h
2	894	913	887	913	890	914	900	913	904	909	906	901	900	911	896	907	2
3	897	905	894	906	893	910	900	914	904	909	906	901	900	912	893	909	3
4	884	911	893	904	893	910	900	916	903	907	907	901	900	913	902	911	4
5	889	908	894	904	893	909	900	918	904	910	907	901	897	914	903	917	5
6	895	903	887	909	896	906	900	915	904	909	911	902	893	916	903	916	6
7	890	907	893	905	894	908	900	920	903	908	906	901	894	908	900	921	7
8	890	908	885	910	886	922	900	927	917	911	906	901	896	906	890	925	8
9	878	914	885	923	889	928	911	928	924	910	903	884	896	907	893	934	9
10	883	926	889	928	893	933	915	937	927	911	900	881	907	909	900	928	10
11	888	930	893	933	892	937	913	934	932	913	893	884	906	872	900	929	11
Noon	883	925	893	935	900	944	911	926	943	900	900	863	875	905	905	925	Noon
13h	889	926	893	932	908	941	913	933	943	891	900	863	902	912	907	932	13h
14	892	919	900	927	908	940	912	930	938	892	894	871	905	907	906	927	14
15	894	914	887	913	906	930	911	928	928	889	889	872	907	909	905	922	15
16	902	911	884	893	907	933	911	927	929	881	890	877	880	920	900	916	16
17	904	921	888	905	906	929	911	928	919	888	904	921	883	903	900	916	17
18	894	929	887	919	900	926	905	926	916	893	900	911	886	906	900	913	18
19	896	921	891	922	900	928	900	919	907	900	900	906	893	916	900	911	19
20	896	919	893	916	900	924	900	915	906	900	900	907	894	913	898	912	20
21	897	914	889	917	900	914	911	911	907	900	900	907	892	910	898	912	21
22	898	911	887	920	900	918	908	910	907	900	900	911	890	914	898	912	22
23	894	913	890	915	900	915	904	910	906	900	900	912	891	913	897	917	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	898	908	893	916	900	926	890	925	892	920	885	923	889	911	895	922	Midnight
1h	897	913	890	923	900	933	892	919	892	919	886	921	889	911	894	927	1h
2	896	910	892	920	894	929	895	926	892	919	892	910	888	912	896	921	2
3	894	914	900	921	894	929	896	919	893	915	890	915	889	911	902	909	3
4	895	911	897	917	900	934	894	931	890	925	887	919	885	915	894	913	4
5	895	912	889	926	900	935	900	931	890	924	888	919	889	911	894	913	5
6	895	911	893	917	900	933	904	920	888	919	887	920	885	915	892	919	6
7	895	911	892	920	900	936	905	924	886	921	889	926	883	917	893	915	7
8	889	927	907	934	909	943	909	942	881	928	886	935	889	929	894	915	8
9	900	922	907	932	915	937	907	936	886	936	880	949	900	946	895	925	9
10	900	931	906	931	908	939	910	948	900	941	880	949	890	950	893	932	10
11	911	927	907	932	917	942	912	958	900	951	876	957	900	969	893	532	11
Noon	906	928	913	932	917	941	908	941	900	944	880	949	912	960	888	930	Noon
13h	906	931	916	940	917	942	908	940	900	947	882	945	914	968	886	934	13h
14	923	923	906	931	916	939	910	950	900	957	880	949	908	937	894	929	14
15	920	920	900	935	908	941	900	945	890	948	883	943	919	946	907	932	15
16	889	874	888	930	910	948	894	930	890	950	882	945	937	915	908	937	16
17	892	890	886	935	900	941	892	938	886	934	878	952	907	916	905	923	17
18	891	887	886	936	887	934	886	934	888	931	888	930	895	922	906	927	18
19	900	918	882	918	886	934	889	929	885	924	886	921	904	918	900	921	19
20	900	913	881	919	888	930	891	922	886	921	887	913	900	911	900	917	20
21	900	916	890	925	881	929	892	920	884	924	884	916	900	931	892	919	21
22	881	919	892	918	889	929	890	925	887	920	883	917	888	930	890	924	22
23	889	926	889	929	890	924	887	932	889	917	887	913	895	925	892	919	23

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

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

FEBRUARY 1927.

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	895	912	905	905	930	854	893	883	891	909	882	912	887	913	890	924	Midnight
1h	894	913	908	910	931	854	889	884	892	908	894	902	886	914	890	925	1h
2	897	908	914	906	932	853	895	874	892	908	880	920	892	908	889	917	2
3	897	916	928	894	921	848	900	868	890	910	884	916	878	914	886	922	3
4	897	916	934	887	935	848	900	866	887	913	886	914	885	924	890	925	4
5	898	911	926	895	911	844	894	885	885	915	884	916	885	924	889	929	5
6	898	911	917	900	900	849	897	893	885	915	875	925	888	918	894	915	6
7	912	905	918	896	900	843	898	891	891	909	878	922	887	920	890	923	7
8	908	908	933	887	909	857	897	894	892	908	873	927	883	941	885	938	8
9	917	907	926	883	891	858	894	886	881	888	872	928	887	963	883	943	9
10	906	903	942	883	900	850	886	864	886	900	882	918	883	942	883	942	10
11	909	904	945	870	887	838	890	851	852	880	885	903	883	941	882	943	11
Noon	928	900	946	869	880	852	888	841	849	866	888	895	891	944	890	947	Noon
13h	905	874	944	856	878	846	881	854	855	855	900	882	883	942	890	947	13h
14	900	884	942	858	876	842	859	838	864	864	918	908	885	938	889	956	14
15	900	889	942	858	877	844	856	856	870	854	881	919	890	950	890	947	15
16	896	890	930	870	879	848	869	869	872	859	864	924	883	942	890	948	16
17	914	878	944	871	880	851	865	848	869	869	866	934	881	946	882	944	17
18	908	892	924	864	884	860	872	858	873	873	877	935	886	936	887	932	18
19	906	894	936	876	887	838	889	871	873	882	886	922	888	930	883	917	19
20	904	896	928	881	890	850	885	890	874	905	882	918	894	930	890	925	20
21	905	895	941	883	887	836	889	900	887	900	887	913	883	925	889	927	21
22	908	892	944	871	883	875	894	900	871	911	885	915	886	922	883	926	22
23	909	896	939	861	895	878	888	900	881	912	886	914	890	924	891	913	23

Day. / Hour	25d.		26d.		27d.		28d		...		...		...		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	...	...	...	...	...	...	N.	E.	
Midnight	895	907	887	934	871	944	900	998	...	...	...	...	...	...	894	916	Midnight
1h	895	907	886	936	870	946	884	980	...	...	...	...	...	...	894	915	1h
2	894	908	885	937	866	952	900	1018	...	...	...	...	...	...	895	916	2
3	891	896	887	934	865	935	900	1016	...	...	...	...	...	...	895	913	3
4	885	906	888	930	859	941	900	1005	...	...	...	..	...	.	895	915	4
5	894	906	891	921	872	942	900	1011	...	...	...	...	...	...	895	916	5
6	889	911	889	929	872	941	922	1012	...	...	...	...	...	...	895	916	6
7	892	908	890	924	867	949	917	986	...	..	...	...	...	...	895	915	7
8	887	919	877	935	871	970	944	1007	...	...	...	...	...	...	896	923	8
9	894	928	881	946	869	976	934	982	...	...	...	...	...	...	896	925	9
10	890	924	881	946	872	967	948	1015	...	...	...	...	...	...	899	926	10
11	900	930	879	952	881	947	948	972	...	...	...	...	...	...	899	923	11
Noon	893	933	872	941	873	966	966	999	...	...	...	...	...	...	900	921	Noon
13h	893	916	862	938	875	959	961	961	...	...	...	...	...	...	900	918	13
14	890	877	859	941	884	980	990	960	...	...	...	...	...	...	902	917	13
15	885	885	868	932	884	979	996	964	...	...	...	...	...	...	900	917	14
16	893	935	860	926	888	957	961	961	...	...	...	...	...	...	896	915	15
17	887	932	854	930	874	962	961	961	...	...	...	...	...	...	894	917	16
18	892	919	828	948	872	967	984	984	...	...	...	...	...	...	893	918	17
19	887	919	859	941	871	969	978	952	...	...	...	...	...	...	895	915	18
20	887	919	861	939	848	977	991	961	...	...	...	...	...	...	895	916	19
21	881	929	855	945	885	975	999	966	...	...	...	...	...	...	897	916	20
22	878	933	857	943	882	990	991	961	...	...	...	...	...	...	895	918	21
23	884	924	854	946	884	981	983	956	...	...	...	...	...	...	896	917	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during FEBRUARY 1927.

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

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	26	1·8	28	1·4	27	1·4	24	1·5	22	1·2	17	0·6	24	1·3	27	1·7	25	0·8	26	1·8	24	2·6	26	2·7	26	2·2	27	2·7	28	1·6	25	2·3
1h	27	1·4	28	0·8	27	1·5	24	1·3	22	1·3	17	0·6	24	1·1	27	1·1	25	1·3	26	2·5	24	3·3	26	2·1	26	2·1	27	2·5	28	1·6	25	2·8
2	26	1·4	28	1·8	27	1·7	24	1·3	22	1·0	17	0·6	24	1·1	27	0·8	26	1·1	26	2·2	25	3·0	25	2·7	26	2·1	27	1·3	28	1·7	25	2·2
3	27	0·6	28	0·8	27	1·2	24	1·4	22	1·0	17	0·6	24	1·2	27	1·1	26	1·5	24	2·1	25	3·0	25	1·9	26	1·7	27	1·8	28	1·5	23	0·9
4	29	1·9	29	0·8	27	1·2	24	1·6	22	0·8	17	0·7	24	1·3	23	1·1	26	1·2	25	1·7	24	3·4	25	3·2	26	2·7	27	2·3	28	2·2	26	1·4
5	29	1·4	29	0·7	27	1·1	24	1·8	22	1·1	17	0·7	25	1·4	23	1·7	26	1·3	26	2·8	24	3·5	24	3·1	26	2·6	27	2·2	28	1·6	26	1·4
6	29	0·6	29	1·6	27	0·7	24	1·5	22	1·0	17	1·1	26	1·8	23	1·6	26	1·2	26	1·9	24	3·3	23	2·0	27	2·2	27	2·4	28	2·1	26	2·1
7	29	1·2	29	0·9	27	1·0	24	2·0	22	0·9	17	0·6	27	1·0	24	2·1	26	1·2	26	2·2	24	3·6	23	2·5	27	2·5	26	2·8	28	2·4	26	1·7
8	29	1·3	29	1·8	27	2·6	24	2·7	19	2·0	17	0·6	27	0·7	26	2·7	26	2·9	23	3·5	23	4·4	23	4·3	27	3·4	26	3·8	26	3·1	26	1·6
9	29	2·6	27	2·7	26	3·0	22	3·0	18	2·6	r 9	1·6	27	0·8	25	3·5	24	2·2	23	3·3	22	4·0	23	3·7	26	3·9	26	5·3	24	4·6	r25	2·5
10	27	3·1	26	3·0	25	3·4	22	4·0	18	2·9	8	1·9	21	1·1	24	2·8	24	3·1	23	3·2	23	4·0	23	4·9	24	4·1	26	5·3	25	5·1	25	3·3
11	26	3·2	25	3·4	25	3·8	22	3·6	18	3·4	6	1·8	r 9	2·9	24	2·9	22	2·9	23	3·3	22	4·5	23	5·9	24	5·1	26	6·2	24	6·9	25	3·3
Noon	27	3·0	25	3·6	24	4·4	22	2·8	16	4·3	8	3·7	r31	2·6	23	2·6	23	2·9	22	3·4	22	4·4	23	4·2	24	4·4	26	5·3	23	6·1	26	3·2
13h	26	2·8	25	3·3	23	4·2	22	3·5	15	4·4	8	3·7	23	1·2	23	3·3	23	3·2	22	4·3	22	4·5	23	4·1	24	4·7	26	4·9	23	6·9	26	3·7
14	26	2·1	24	2·7	23	4·1	22	3·2	15	3·9	7	3·0	21	0·9	23	2·8	20	3·3	23	3·2	22	4·2	23	5·1	24	5·7	26	5·3	23	3·8	r25	3·0
15	26	1·5	28	1·8	23	3·1	22	3·0	14	3·0	6	3·0	21	1·1	23	2·3	20	2·8	24	3·5	23	4·2	24	4·5	25	4·9	26	4·6	22	5·0	23	3·3
16	23	1·1	d 2	1·8	23	3·4	22	2·9	13	3·5	6	2·5	28	2·9	24	1·6	d 6	2·8	26	3·2	23	4·9	25	3·1	25	5·1	26	4·9	18	4·0	23	3·8
17	23	2·2	30	1·3	23	3·0	22	3·0	13	2·2	r23	2·1	31	1·7	24	1·6	5	1·3	26	3·8	24	4·1	25	3·9	26	3·7	26	5·7	22	1·8	23	2·4
18	25	3·0	27	2·3	24	2·6	23	2·7	14	1·8	24	1·1	30	1·5	24	1·3	5	1·6	26	3·9	26	3·6	26	3·7	26	3·3	26	3·2	25	2·3	23	2·8
19	25	2·2	26	2·4	24	2·8	24	1·9	16	0·7	24	0·6	26	1·8	24	1·1	r24	1·8	28	2·5	26	3·7	26	3·1	27	2·8	27	2·5	23	1·8	24	2·1
20	25	1·9	26	1·8	24	2·4	24	1·5	16	0·6	24	0·7	26	1·4	25	1·2	24	1·3	28	2·7	26	3·2	26	2·4	27	2·5	28	1·9	24	1·1	24	1·7
21	25	1·4	27	2·0	24	1·4	20	1·6	16	0·7	24	0·7	27	1·3	25	1·2	24	1·6	26	2·7	27	3·5	26	2·2	27	2·9	28	2·3	24	3·1	26	2·1
22	25	1·1	27	2·4	24	1·8	21	1·3	16	0·7	24	1·1	27	1·7	25	1·2	28	2·7	26	2·0	26	3·1	26	2·7	27	2·4	28	2·4	26	3·2	26	2·6
23	26	1·4	27	1·8	24	1·5	22	1·1	16	0·6	24	1·2	27	1·6	25	1·7	26	2·8	26	3·1	26	2·6	26	3·4	27	2·0	28	1·9	25	2·6	26	2.1

Hour \ Day	17d. *		18d. *		19d. *		20d. *		21d. *		22d. *		23d.		24d.		25d. *		26d.		27d.		28d.		...		...		...		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.	...	...	...	...	...	...	Velocity	
Midnight	26	1·3	d20	0·7	11	5·5	6	1·9	28	1·3	29	2·1	28	1·9	26	2·6	27	0·9	26	3·6	27	5·3	24	9·8	...	...	...	...	...	...	2·3	
1h	26	1·4	21	1·3	11	5·6	5	1·9	28	1·1	30	0·6	28	2·0	26	2·7	27	0·9	26	3·9	27	5·5	25	8·2	...	...	...	...	...	...	2·2	
2	26	0·9	18	1·5	11	5·7	7	2·7	28	1·2	28	2·8	28	1·2	27	2·0	27	1·0	26	4·0	27	6·2	24	11·8	...	...	...	...	...	...	2·4	
3	25	1·6	15	2·9	10	5·6	8	3·2	28	1·4	28	2·3	29	2·6	27	2·6	d 2	1·0	26	3·6	28	5·0	24	11·6	...	...	...	...	...	...	2·3	
4	25	1·6	14	3·6	11	6·3	8	3·4	28	1·8	28	2·0	27	2·8	26	2·7	r30	1·6	26	3·2	28	5·9	24	10·5	...	...	...	...	...	...	2·6	
5	25	1·1	15	2·7	9	5·7	6	1·6	28	2·2	28	2·3	27	2·8	26	3·1	28	0·8	26	2·3	27	5·1	24	11·1	...	...	...	...	...	...	2·5	
6	25	1·1	16	1·7	8	5·1	6	0·8	28	2·1	28	3·5	27	2·1	26	1·6	28	1·6	26	3·1	27	5·0	23	11·4	...	...	...	...	...	...	2·4	
7	18	1·3	15	1·8	8	5·7	7	0·9	28	1·3	28	3·2	27	2·4	26	2·5	28	1·1	26	2·6	27	5·9	23	8·8	...	...	...	...	...	...	2·4	
8	20	1·1	14	3·5	9	4·4	6	0·7	28	1·1	28	3·8	26	4·4	26	4·1	27	2·3	27	4·2	26	7·6	22	11·6	...	...	...	...	...	...	3·2	
9	18	1·9	13	3·1	7	4·3	6	1·5	d 3	2·2	28	4·0	25	6·4	26	4·6	25	2·9	26	5·0	26	8·2	d22	8·9	...	...	...	...	...	...	3·7	
10	18	0·7	14	4·5	8	5·0	6	3·9	r32	1·4	28	2·5	26	4·5	26	4·5	26	2·6	26	5·0	26	7·3	22	12·4	...	...	...	...	...	...	3·9	
11	18	1·0	13	5·4	7	6·3	7	5·0	d 2	5·2	31	1·5	26	4·4	26	4·7	24	3·0	26	5·6	26	5·1	21	8·7	...	...	...	...	...	...	4·3	
Noon	16	3·8	13	5·6	6	5·2	7	6·0	3	6·1	d 2	1·3	25	4·5	25	4·8	25	3·4	27	5·0	26	7·1	21	11·9	...	...	...	...	...	...	4·5	
13h	r 9	2·7	12	6·3	6	5·9	6	5·0	4	6·4	8	1·8	26	4·5	25	4·8	26	1·8	28	5·4	26	6·4	20	8·7	...	...	...	...	...	...	4·4	
14	8	1·6	12	6·0	6	6·3	5	7·4	4	5·2	18	2·0	26	4·1	25	5·7	d 6	2·5	28	5·8	25	8·2	19	10·8	...	...	...	...	...	...	4·4	
15	8	1·1	12	6·0	6	6·1	4	6·3	5	5·5	d28	2·7	25	5·1	25	4·8	4	2·2	28	4·5	25	8·1	19	11·6	...	...	...	...	...	...	4·1	
16	6	1·1	12	4·3	6	5·6	4	4·4	5	5·0	29	4·4	26	4·5	25	4·9	r25	3·6	29	4·8	25	5·8	20	8·7	...	...	...	...	...	...	3·9	
17	11	2·6	13	5·3	6	5·3	5	6·3	4	4·4	28	4·9	26	5·0	26	4·8	26	3·4	29	5·5	26	6·7	20	8·7	...	...	...	...	...	...	3·8	
18	12	1·2	11	4·4	6	4·3	5	5·1	4	3·9	27	4·2	26	3·9	26	3·4	26	2·1	29	8·6	26	7·2	20	11·9	...	...	...	...	...	...	3·6	
19	12	0·9	13	4·3	7	6·3	6	3·1	3	3·2	27	2·6	26	3·2	28	2·4	27	2·3	28	5·8	26	7·5	19	9·4	...	...	...	...	...	...	3·0	
20	12	0·6	13	3·4	7	5·1	3	1·8	r31	2·7	28	2·5	25	3·1	26	2·7	27	2·3	28	5·6	27	9·3	19	11·0	...	...	...	...	...	...	2·8	
21	12	0·7	14	4·4	7	6·5	0	1·1	32	1·3	28	1·9	27	3·0	26	2·9	27	3·5	28	6·4	25	7·6	19	11·9	...	...	...	...	...	...	2·9	
22	12	1·2	13	5·3	5	3·0	0	0·6	30	3·1	28	2·1	27	2·6	27	3·1	27	4·0	28	6·1	25	9·2	19	11·0	...	...	...	...	...	...	3·0	
23	d14	1·0	12	5·5	7	2·3	0	1·2	29	2·2	28	2·0	26	2·6	27	1·6	27	2·9	28	6·6	25	8·3	19	10·0	...	...	...	...	...	...	2·8	

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for FEBRUARY 1927.

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	...	...	...
					mm.																							in mm	mm	in. m
1a	...	...	...	...	...	...	...	...	...	...	0·1	...	0·1	...	...	...	0·6	...	0·2	...	...	...	...	...	...	...	...	0·6	...	...	...
2	...	...	...	...	...	...	...	...	...	8·8	0·2	...	0·1	...	...	...	0·3	...	0·1	...	...	...	...	...	...	...	...	1·3	...	...	...
3	...	...	...	...	...	0.2	...	...	...	0·2	0.1	...	...	...	...	0·9	...	...	0·1	...	...	...	...	...	...	...	...	1·2	...	...	...
4	...	...	...	...	...	0.7	...	...	...	0·2	0·2	...	1·5	...	...	...	3·6	...	0·1	...	...	...	...	...	...	...	...	0·6	...	...	...
5	0·2	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	0·9	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	4·5	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	0·2	0·1	...	...	...	...	9·6	...	...	...	...	...	...	...	0·1	...	...	0·6	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	15·3	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	7·2	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·2	...	...	...
11	...	...	...	...	...	...	20·0	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	0·3	...	0·5	...	...	...	...
Noon	...	...	...	...	...	...	22·2	...	...	...	...	...	0·1	...	0 2	1·8	...	...	...	...	...	...	...	...	...	...	...	3·0	...	...	...
13b	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	1 3	...	6·6	0·8	...	...	...	...	...	...	...	...	...	8·2	...	...	...
14	...	0.8	...	...	...	...	0·2	...	...	...	...	0·1	...	...	...	...	...	0·2	...	...	...	...	...	...	0·2	...	0·4	0·2	...	...	...
15	3·6	...	...	...	...	...	...	...	...	...	...	4·2	...	...	...	...	...	...	...	...	...	...	...	...	1·8	...	...	5·4	...	...	...
16	1·0	...	...	...	...	...	...	...	...	...	...	0·1	0·1	...	3·5	...	...	...	0·1	...	...	...	...	...	...	...	0·1	10·0	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11·6	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...
18	...	0.1	...	...	5·0	5·0	...	...	...	...	...	...	...	...	...	...	8·8	...	...	...	...	...	...	...	...	...	...	3·0	...	...	...
19	...	...	...	...	2·0	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	0·2	...	...	1·0	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	13·2	...	...	...
21	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	0·3	2·7	...	2·5	...	0 1	...	...	...	...	...	...	0·3	8·0	...	...	...
22	...	...	...	...	...	...	...	...	5·0	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	1·7	...	...	...	...
23	...	...	...	...	...	...	...	...	1·5	...	...	...	...	...	...	...	...	0·3	0·1	...	...	...	...	...	0·1	...	0.3	9·0	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	0·2	0·1	0·1	...	...	...	...	0·1	...	0·3	1·2	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART for the MONTH of FEBRUARY 1927.

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	5·06	128·5	164·1	13
	3	Belmont	50	5·68	141·7	186·9	10
	4	Poudre d'Or	20	5·32	135·1	187·7	11
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	6·67	169·4	244·3	19
	10	Mont Piton	360	8.62	218·9	300·7	18
	11	Mon Choix	700	6.47	164·3	280·9	14
	12	Antoinette	640	7·59	192·8	271·2	15
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	9·72	246·9	383·8	14
	15	Mon Songe	179	8·49	215·6	264·2	13
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	6·82	173·2	224·0	15
	19	The Observatory ...	179	9·90	251·5	178·6	19
	20	Solitude§	175	...	...	...	...
	21	St André§	90	5·49	139·4	168.9	10
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ ...	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E.§ ...	600	...	...	...	..
	2	Constance d'Arifat L.G.	100	8·54	216·9	217·9	11
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	9·29	236·0	253·0	16
	5	Constance (Manès)§ ...	..	...	...	...	..
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	10·06	255·5	...	12
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ	20	...	...	...	...
	4	Belle Rive§	400	...	...	...	...
	5	Olivia§	400	9.68	245 9	267·2	15
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	.
	9	Bonne Veine*	...	15.52	394·2	...	21
5	1	Rose Belle§	850	..	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	..	...	...	...
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate* ...	...	6·79	172·5	...	14
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka§	2,000	16·04	407·4	481·8	24
	2	Tivoli*	1,300	16 51	419·3	...	25
	3	La Flora*	1,050	10·49	266·4	...	20
	4	Britannia§	780	14·03	356·3	...	19
	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	12·89	327·4	...	21
	10	Terracine§	1000	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	..	...	...	...
	14	Union S. E.*	...	11·98	304·3	...	17
	15	Fontenelle*	...	11·68	296·7	...	13
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre§	40	13·76	349·5	232·4	16
	3	Beau Champ§	...	13·26	336·8	...	13
	4	Board§	...	15·68	398·3	...	14
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	26·33	668·8	477·8	26
	3	Mare aux Vacoas ...	1,850	23·30	591·8	428·7	22
	4	La Marie Filter Bed ...	1,700	...	...	...	...
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse	850	11·78	299·2	236·7	20
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma	1,460	...	...	...	...
	5	Bagatelle§	1,250	..	...	...	...
	6	Highlands*	1,300	17·17	436·1	...	18
	7	Trianon	950	14·76	374·9	279·6	18
	8	Salency§	923	...	...	...	...
	9	La Ferme*	950	7·54	194·5	...	11
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,000	14·22	361·2	288·5	23
	12	Ebènes§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	..	...	...	...	...
	15	Hermitage§	...	...	...	...	..
	16	Côte d'Or	...	...	420·1	...	14
	17	Mon Repos§	...	16·54	..	...	...
13	1	The Albion Dock§ ...	18	..	...	...	...
	2	Institute*	...	9 17	233·0	...	8

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of FEBRUARY 1927.

Day \ Type	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. st. &c. Dir.	Cumulus Cu. st. &c. Vel./Height	Alto cu: Alto st: Dir.	Alto cu: Alto st: Vel./Height	Cirro Cumulu Dir.	Cirro Cumulu Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
	h	°	°	°	°	°	°	°	°	°	°	°	°
1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	12¾	...	...	...	...	310	13·3	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	11¾	...	...	...	...	315	7·4	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	12¼	...	...	120	8·9	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...

Day \ Type	Time	Scud Dir.	Scud Vel./Height	Cum: Cu. st. &c. Dir.	Cum: Cu. st. &c. Vel./Height	Alto Cum Alto St: Dir.	Alto Cum Alto St: Vel./Height	Cirro Cum Dir.	Cirro Cum Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
	h	°	°	°	°	°	°	°	°	°	°	°	°
1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	12¾	...	...	...	...	315	6·1	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	13¼	285	6·0	240	3·5	...	...	...	...	...	...	...	...
11	14¼	285	4·8	270	7·0	...	...	...	...	...	...	270	0·9
12	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	14¼	...	...	6·0	4·4	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

MARCH 1927

M. OLIVIER,

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

PORT LOUIS
PRINTED AT THE GOVERNMENT PRESS
1927.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of MARCH 1927

MAGNET BASEMENT UNDER REPAIRS

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of MARCH 1927

Declination (West)		Horizontal Force (C.G.S. Unit)		Dip (South).					
				A.M. Observations		Resulting Vertical Force. C. G. S. Units.	P. M Observations.		Resulting Vertical Force Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	′		d h m	° ′	
MCH.10· 9· 9	11.29·00	MCH.16· 9·17	·22799	MCH.14.10·16	52.26·87	...	MCH.14.15.34	52.35.62	...
·12.30	11.28·70	·13·55	·22779	22.11.49	52.19·50	...	...	...	...
18· 9.16	11.33·37	28·11·59	·22876	30· 9·46	52·19·12	...	...		...
·14·30	11.22·09	·15·10	·22854						
30· 9.58	11.34·73								

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

MARCH 1927.

MAGNET BASEMENT UNDER REPAIRS

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 1927.

MAGNET BASEMENT UNDER REPAIRS

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 1927.

MAGNET BASEMENT UNDER REPAIRS

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of MARCH 1927.

Month and Day 1927	Observations at 10 a.m.								Temperature of the Air.						
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat.: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees*	Wind. Velocity.	Highest.	Lowest.	Range	Amount of Cloud (Scale 0—10)	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	948·6	...	...	...	...	...	191	9·8	Thermometer broken	...		10·0	156·5	0·0	0
2	954·3	24·2	0·6	23·2	94	28·1	213	7·1		23·4		10·0	16·8	9·8	79
3	961·5	23·5	0·5	22·6	94	27·1	247	4·5		22·1		9·1	17·5	4·8	39
4	961·6	23·1	1·0	21·4	90	25·2	292	4·4		21·4		10·0	18·0	0·0	0
5	958·4	22·6	0·4	21·9	96	26·0	292	5·3		21·8		10·0	98·6	0·0	0
6	956·9	22·7	0·7	21·5	93	25·4	270	3·3		21·6		8·1	69·0	4·7	38
7	955·5	25·0	2·1	21·4	93	25·2	292	6·2		20·5		4·2	3·2	9·8	80
8	955·5	24·9	0·7	23·7	93	29·0	270	4·2		21.6		10·0	20·0	3·6	29
9	957·7	25·1	1·8	22·0	83	26·2	281	7·6		21·9		9·4	36·0	6·1	50
10	958·6	23·0	1·1	21·1	89	24·8	303	1·8		21·7		9·7	1·5	1·1	9
11	957·9	23·2	1·1	21·3	89	25·1	292	0·9		19·3		3·6	2·8	8·5	69
12	958·5	23·2	0·8	21·8	92	25·9	315	0·6		20·4		6·1	0·0	7·9	64
13	959·7	24·3	1·1	22·4	89	26·8	326	2·2		19·7		5·4	0·1	10·9	89
14	961·4	24·1	1·2	22·0	88	26·2	292	7·1		20·7		5·5	1·3	8·9	73
15	963·9	23·1	1·2	21·0	88	24·6	315	2·2		20·0		5·3	2·7	9·5	78
16	965·5	23·3	1·5	20·7	85	24·2	303	2·7		19·9		4·2	0·0	9·1	75
17	965·9	23·0	1·1	21·1	89	24·8	303	2·4		19·5		6·3	1·5	10·3	84
18	966·5	22·1	0·9	20·5	91	23·9	303	1·8		18·3		8·1	6·8	7·9	65
19	966·1	23·9	0·9	22·3	91	26·7	292	5·3		20·1		5·5	3·3	4·8	40
20	966·1	23·2	1·0	21·5	91	25·4	292	0·9		21·3		5·2	3·8	10·0	83
21	965·6	22·1	0·2	21·7	98	25·7	281	4·0		19·6		5·5	1·6	6·4	53
22	965·0	21·9	0·1	21·7	99	25·7	292	6·7		20·9		9·5	31·0	0·2	2
23	963·4	23·0	0·4	22·3	96	26·7	247	6·5		21·0		10·0	59·0	0·0	0
24	964·7	21·0	0·1	20·8	99	24·3	292	7·1		20.2		10·0	59.2	0·0	0
25	964·1	21·7	0·5	20·8	94	24·3	281	7·6		20·4		10·0	53·0	2·4	20
26	964·5	22·1	0·9	20·5	91	23·9	281	7·2		19·8		10·0	22·5	1·2	10
27	964·9	21·7	0·5	20·8	94	24·3	292	5·8		19·9		10·0	21·6	2·0	17
28	965·4	24·1	1·2	22·0	88	26·2	259	2·2		19·6		8·6	11·0	5·6	47
29	966·7	23·1	0·1	22·9	99	27·6	236	2·0		21·1		7·5	8·7	4·8	40
30	968·0	21·2	0·1	21·0	99	24·6	247	5·3		19·8		9·1	42·0	2·9	24
31	968·1	23·1	0·9	21·5	91	25·4	270	4·2		18·8		5·0	10·0	5·1	43
Mean	961·9	23·0	0·8	21·6	92·2	25·6	° 274·6	3·7		20·5		7·7	Sum 779·0	4·82	41·9
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.:

Atmospheric Pressure	+41·0
Temperature of the Air	+ 3·5
Vapour Tension	+ 0·4
Relative Humidity	−16·3
Direction of Wind	4.1°E
Velocity of Wind	+ 1·1 m.p.s.
Amount of cloud	− 0.4

Amount of rain	−437·4 m.m.
Duration of sunshine	+34·3 hrs.
Mean of highest temperatures	...
Mean of lowest temperatures	+2·4
Absolute highest temperature	...
Absolute lowest temperature	+2·1

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

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1927.

Month and Day 1927.	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)		Elasti. 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.		
MARCH	mbs.	mbs.	c	c	c	c	c	c		c			mbs.	c	mm.	min.	mm.	
1	989·3	-15·5	27·8	23·8	4·0	25·6	0·0	0·8	24·2	+ 2·3	92	+ 12	29·9	...	30·6	255	3·6	9·9
2	995·2	− 9·7	28·2	25·5	2·7	26·5	+ 0·9	1·2	24·5	+ 2·6	89	+ 9	30·4	24·5	4·2	63	5·2	9·4
3	1001·1	− 3·8	28·5	24·3	4·2	26·2	+ 0·7	1·4	23·8	+ 1·9	87	+ 7	29·2	23·0	4·8	50	5·4	6·5
4	1000·6	− 4·4	26·8	24·3	2·5	25·1	− 0·4	1·1	23·2	+ 1·3	89	+ 9	28·1	22·7	9·0	141	3·0	9·0
5	997·7	− 7·3	25·3	23·2	2·1	24·5	− 1·0	0·7	23·3	+ 1·4	93	+ 13	28·3	22·3	43·8	416	2·8	8·8
6	996·8	− 8·3	28·7	23·9	4·8	25·6	+ 0·1	1·6	22·9	+ 1·0	85	+ 5	27·6	22·9	2·0	50	5·0	7·3
7	995·1	−10·0	28·6	24·0	4·6	26·1	+ 0·5	2·1	22·6	+ 0·7	81	+ 1	27·2	22·7	0·4	5	5·4	5·1
8	995·2	−10·0	28·4	24·8	3·6	26·3	+ 0·9	1·2	24·3	+ 2·4	89	+ 9	30·1	24·0	2·1	85	4·6	8·7
9	998·2	− 7·0	28·4	25·0	3·4	26·2	+ 0·8	1·9	23·0	+ 1·2	82	+ 2	27·8	23·6	1·2	50	7·2	9·4
10	998·0	− 7·3	29·6	23·1	6·5	25·3	− 0·1	1·8	22·2	+ 0·4	83	+ 2	26·5	16·8	1·2	45	4·2	9·3
11	998·2	− 7·1	28·2	21·8	6·4	24·8	− 0·6	2·4	20·7	− 1·1	78	− 3	24·2	18·0	0·0	...	5·0	4·7
12	998·2	− 7·2	28·7	21·4	7·3	24·6	− 0·8	2·3	20·7	− 1·1	79	− 2	24·2	18·8	0·0	...	4·0	7·7
13	1000·0	− 5·4	29·4	21·7	7·7	25·4	+ 0·1	2·7	20·8	− 1·0	76	− 5	24·3	18·1	0·0	...	5·8	4·7
14	1002·1	− 3·4	29·0	22·6	6·4	25·3	0·0	2·3	21·4	− 0·3	79	− 2	25·2	19·0	2·5	55	6·0	6·3
15	1004·6	− 0·9	28·1	22·4	5·7	24·7	− 0·6	2·9	19·8	− 1·9	74	− 7	22·9	17·2	0·5	30	5·5	6·2
16	1005·9	+ 0·3	28·4	21·5	6·9	24·6	− 0·7	3·0	19·5	− 2·2	73	− 8	22·4	17·4	0·0	...	5·6	5·2
17	1006·3	+ 0·7	28·2	21·9	6·3	24·6	− 0·7	2·8	19·8	− 1·8	75	− 6	22·9	19·0	0·0	...	4·8	3·5
18	1006·4	+ 0·7	27·6	20·4	7·2	24·5	− 0·7	2·4	20·4	− 1·2	78	− 3	23·7	18·3	4·0	70	7·3	5·6
19	1006·3	+ 0·5	28·1	23·7	4·4	25·4	+ 0·2	2·4	21·3	− 0·3	78	− 3	25·1	21·5	0·4	10	4·4	6·9
20	1006·1	+ 0·3	28·8	23·0	5·8	25·5	+ 0·3	2·7	20·9	− 0·6	76	− 4	24·5	21·4	0·0	...	5·8	3·7
21	1005·9	0·0	28·7	21·9	6·8	25·0	− 0·1	2·0	21·6	+ 0·1	81	+ 1	25·5	17·8	1·7	30	4·7	5·5
22	1005·0	− 0·9	26·0	23·5	2·5	24·6	− 0·5	1·1	22·7	+ 1·3	89	+ 9	27·3	21·9	25·0	170	3·8	9·4
23	1003·7	− 2·3	26·2	22·8	3·4	24·3	− 0·8	0·7	23·1	+ 1·9	93	+ 13	28·0	21·2	66·9	530	3·5	10·0
24	1004·5	− 1·5	24·7	22·5	2·2	23·3	− 1·8	0·5	22·4	+ 1·1	95	+ 15	26·8	21·2	87·7	598	3·3	10·0
25	1004·2	− 1·9	26·1	22·7	3·4	23·6	− 1·4	0·9	22·1	+ 0·8	91	+ 11	26·3	21·6	13·0	205	4·0	9·4
26	1005·0	− 1·2	26·8	22·6	4·2	23·7	− 1·3	1·1	21·8	+ 0·5	89	+ 9	25·9	21·3	12·0	74	2·5	8·9
27	1005·5	− 0·7	27·0	21·9	5·1	24·4	− 0·6	1·5	21·8	+ 0·6	85	+ 5	25·9	21·3	3·9	35	4·9	8·9
28	1005·4	− 0·9	27·1	21·8	5·3	24·9	− 0·1	1·3	22·7	+ 1·5	87	+ 7	27·3	20·3	18·4	100	6·5	7·5
29	1006·7	+ 0·4	27·1	23·3	3·8	24·8	− 0·1	1·1	22·9	+ 1·8	89	+ 9	27·6	22·1	3·7	45	4·2	6·7
30	1007·7	+ 1·3	27·3	22·5	4·8	24·4	− 0·5	1·4	22·0	+ 0·9	87	+ 7	26·2	19·8	2·1	30	3·1	7·3
31	1008·1	+ 1·7	27·3	21·1	6·2	23·7	− 1·2	1·9	20·4	− 0·6	82	+ 2	23·7	18·9	0·5	10	4·5	5·4
Mean	1002·0	− 3.6	27·7	22·9	4·8	24·9	− 0.4	1·7	22·0	+ 0.4	84·0	+3.7%	26·3	* 20·6	Sun. 341·6	Sum 3152	4·8	7·3
A ver.	1005·6	...	28·8	22·3	6·5	25·3	..	2·2	21·6	...	80·3	...	25·5	20.0	238·1	2717	4·5	6·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF MARCH 1927.

The cyclone referred to in the February Bulletin, proceeded to about 100 miles North of Réunion on the 1st, where it completely changed course, deflecting its track to north westward, but keeping the same rate of progression until the 2nd, when the circulation of the cyclonic winds seem to have been much intensified.

The conditions in the vicinity of Mauritius remained, for some time after, much disturbed, Two other cyclones formed North of the Island between the 3rd and the 8th, while according to observations received from Rodrigues it was evident that a third one was in existence East of that Station on the 14th.

Accordingly pressure was much below normal in the mean for the month.

Relative Humidity was above normal by 3.7% in the mean.

At the Observatory, rainfall was 44% above normal. Its percentage deviation from the normal for the different districts of the Island was as follows :

Northern Districts	River System 1,	69% above
Eastern Districts	,, ,, 2, 3, 4,	69% ,,
South-Eastern Districts	,, ,, 5 & 6	57% ,,
Western Districts	River System 11	209% above
	,, ,, 12	46% ,,
	,, ,, 13	11% ,,

* Mean of 30 days.

8th September, 1927

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1927

Month and Day 1927.	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	6 inches	3 inches	Weather
MARCH	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	
1	0·0	0	+ 8·8	+ 2·2	194	9·0	9·2	+ 5·8	25·8	27·1	28·1	26·6	25·4	26·5	ogq .
2	5·1	41	+ 3·7	+ 3·8	226	5·3	5·6	+ 2·2	25·7	27·1	27·9	26·9	26·6	27·7	cgq : og : cp .
3	9·3	75	+ 0·3	+ 3·8	265	3·8	4·0	+ 0·6	25·4	26·9	27·8	27·4	27·2	28·7	c : f : c : f : cg .
4	0·1	1	− 3·1	+ 5·3	300	6·1	6·2	+ 2·8	25·5	26·9	27·8	27·6	27·0	28·0	c : ogq : c .
5	0·0	0	− 1·9	+ 6·1	277	6·4	6·4	+ 3·0	25·5	26·9	27·9	27·3	26·1	26·8	cgq : ogr : f .
6	7·1	57	− 1·1	+ 5·2	282	5·3	5·4	+ 2·0	25·8	26·9	27·9	26·9	25·9	27·3	f : cg : f .
7	10·3	84	− 1·9	+ 3·9	296	4·3	4·4	+ 1·0	25·4	26·9	27·8	27·1	26·9	28·5	b : f : c .
8	5·9	48	− 0·8	+ 4·2	281	4·3	4·3	+ 0·9	25·5	26·9	27·8	27·7	27·4	29·2	f : c : og c .
9	6·8	55	− 1·8	+ 5·2	289	5·5	5·6	+ 2·2	25·4	26·9	27·9	27·8	27·6	29·2	ogl : .
10	2·0	16	− 1·4	+ 2·7	297	3·0	3·1	− 0·3	25·5	26·9	28·0	27·8	27·6	29·3	og : f .
11	9·2	75	− 0·9	+ 1·9	295	2·1	2·1	− 1·3	25·5	26·9	28·1	27·9	27·5	29·0	b : f : c : f .
12	5·8	47	− 0·7	+ 1·0	305	1·2	1·3	− 2·1	25·5	26·9	28·1	28·1	27·4	28·9	c : f .
13	11·5	94	− 2·1	+ 1·6	323	2·6	2·7	− 0·7	25·5	26·9	28·2	28·1	27·5	29·3	c : f .
14	9·2	75	− 1·7	+ 2·5	304	3·0	3·1	− 0·3	25·4	26·9	28·2	28·6	27·8	29·5	c : f : c .
15	10·3	84	− 2·0	+ 2·5	309	3·2	3·3	− 0·1	25·5	26·7	28·2	28·5	27·8	29·2	c : f .
16	7·4	61	− 2·6	+ 2·7	314	3·7	3·8	+ 0·5	25·5	26·9	28·2	28·4	27·3	28·5	b : c .
17	9·9	81	− 2·7	+ 3·4	308	4·3	4·4	+ 1·1	25·5	26·9	28·2	28·2	27·3	28·5	f .
18	10·9	90	− 2·1	+ 4·0	298	4·5	4·6	+ 1·3	25·5	26·9	28·2	28·1	27·2	28·3	f : c : f : c : f .
19	4·5	37	− 1·7	+ 4·3	292	4·6	4·6	+ 1·3	25·5	26·7	28·1	28·0	27·1	28·0	f : cg : f .
20	10·7	88	− 1·8	+ 4·0	294	4·4	4·4	+ 1·1	25·6	26·7	28·1	27·9	27·1	28·3	f : b .
21	9·1	75	− 1·4	+ 4·5	287	4·7	4·9	+ 1·6	25·6	26·9	28·0	27·9	27·1	28·0	b : f : c : f .
22	0·8	7	− 2·1	+ 5·4	291	5·8	5·8	+ 2·5	25·6	26·9	28·0	27·9	26·7	27·2	cg .
23	0·0	0	+ 1·0	+ 5·3	259	5·4	5·5	+ 2·2	25·4	26·9	27·9	27·0	25·6	26·2	ogr .
24	0·0	0	− 0·8	+ 5·3	279	5·3	5·5	+ 2·2	25·5	26·9	27·6	26·4	25·0	25·7	ogr .
25	3·6	30	− 1·5	+ 5·5	285	5·7	5·7	+ 2·4	25·6	26·9	27·1	25·8	25·0	25·9	ogr c .
26	1·4	12	− 1·1	+ 5·5	281	5·6	5·8	+ 2·5	25·5	26·9	27·0	26·0	25·3	26·0	cg .
27	6·0	50	− 2·3	+ 5·1	294	5·6	5·7	+ 2·4	25·4	26·9	26·6	26·1	25·3	26·3	cg .
28	7·4	62	− 0·4	+ 3·7	276	3·7	3·8	+ 0·5	25·5	26·9	26·8	26·2	25·6	26·8	cg : f .
29	6·3	53	+ 0·4	+ 3·7	264	3·7	4·0	+ 0·7	25·5	26·7	26·8	26·6	26·1	27·4	f : c: cg .
30	5·9	50	+ 0·3	+ 4·4	266	4·4	4·5	+ 1·2	25·5	26·9	26·8	26·9	26·3	27·4	f : cgd : f .
31	7·3	61	− 0·7	+ 3·2	282	3·3	3·4	+ 0·1	25·5	26·8	26·8	26·9	26·1	27·2	b : f : c : f .
Mean	5·93	48·7	−0·84	+3·03	285·5	3·14	4·62	+1.27	25·52	26·82	27·75	27·38	26·65	27·82	...
Average	6·95	56·8	−0·60	+2·38	284·2	2·45	3·35	..	25·33	27·15	...	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MARCH 1927.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1010·0mbs	at	22h & 23h	on 31st	986·3mbs	at	4h	on 1st
Temperature of the Air	29·6C	at	12·40	on 10th	20·4C	at	2·15h	on 18th
Daily range of temperature of the Air...	7·7C		...	on 13th	2·1C		...	on 5th
Temperature of the Dew Point	25·2C	at	18h	on the 2nd & 9h on 8th	17·2C	at	14h	on 15th
Daily range of temperature of the Dew Point	4·8C	...	...	on 15th	1·0C		...	on 24th
Relative humidity...	99·0%	at	4h	on 1st	52·2%	at	14h	on 15th
Wind Velocity	12·5 m.p.s.	at	8h	on the 1st	0·6 mps		often	often
Rainfall	92·8 mm ending		12h	on the 24th	...		...	...
Temperature of the soil at 3 ins. ...	31·8C	at	18h	on 13th	25·6C	at	6h	on 25th
, at 6 ins. ...	28·9 C	at	21	on 14th	25·1C	at	6h	on 25th
Duration of sunshine	11·5 hrs.		...	on 13th	0·0hrs.		...	1st, 5th, 23rd & 24th
Amount of Evaporation in 24 hours	7·3 mm.		...	on 18th	2·5 m.m.		...	on 26th
Vapour Tension	31·7 mbs	at	18h	on 2nd & 9h on 8th	19·4	at	14h	on 15th
Minimum on Grass			...	...	16·8		...	on 10th

Number of Days Overcast, 17, Clear 0, of Rain 25 of Lightning 1, of Thunderstorm 0.

Mean Day Temperature of Air, 26·02C. Average 26·86 Mean Night Temperature of Air, 23·87C. Average 23·57

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

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

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

MARCH 1927.

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	9878	9922	9987	0028	9990	9971	9969	9945	9976	9992	9984	9989	9992	0020	0044	0060	Midnight
1h	9873	9920	9986	0023	9985	9969	9964	9943	9975	9984	9982	9983	9990	0017	0041	0059	1h
2	9868	9918	9986	0017	9980	9967	9960	9940	9973	9982	9979	9977	9989	0011	0040	0053	2
3	9867	9922	9986	0014	9976	9966	9955	9936	9972	9981	9976	9971	9990	0010	0039	0050	3
4	9863	9924	9990	0015	9975	9967	9956	9938	9976	9982	9979	9975	9990	0009	0035	0048	4
5	9867	9926	9996	0017	9974	9966	9957	9940	9981	9983	9982	9979	9991	0010	0035	0050	5
6	9872	9928	0003	0019	9979	9965	9958	9942	9986	9984	9985	9982	9997	0015	0039	0057	6
7	9876	9941	0007	0024	9983	9970	9956	9944	9986	9987	9989	9987	0000	0019	0042	0060	7
8	9885	9946	0012	0027	9990	9980	9959	9954	9980	9989	9990	9989	0003	0023	0053	0065	8
9	9895	9951	0018	0031	9993	9980	9961	9957	9982	9991	9990	9990	0007	0023	0057	0069	9
10	9898	9954	0019	0028	9988	9975	9959	9956	9983	9986	9987	9987	0007	0023	0057	0069	10
11	9900	9956	0021	0017	9985	9975	9957	9955	9979	9981	9984	9984	0001	0021	0054	0068	11
Noon	9898	9957	0015	0006	9985	9966	9956	9955	9975	9976	9980	9980	0000	0019	0050	0063	Noon
13h	9893	9955	0012	9999	9979	9963	9947	9947	9970	9971	9977	9976	9992	0012	0041	0059	13h
14	9890	9953	0009	9991	9969	9955	9940	9944	9973	6966	9974	9972	9990	0010	0034	0051	14
15	9889	9951	0006	9985	9968	9954	9940	9946	9973	9967	9971	9968	9990	0010	0033	0048	15
16	9889	9952	0010	9978	9963	9956	9938	9945	9974	9968	9971	9970	9990	0010	0032	0049	16
17	9897	9953	0014	9980	9960	9958	9937	9945	9976	9970	9972	9972	9990	0012	0036	0050	17
18	9902	9962	0022	9984	9959	9959	9938	9952	9983	9973	9976	9975	9998	0020	0040	0050	18
19	9911	9972	0025	9985	9967	9959	9940	9962	9988	9978	9980	9983	0007	0027	0049	0059	19
20	9916	9982	0028	9993	9975	9977	9943	9968	9993	9983	9984	9990	0010	0033	0056	0062	20
21	9923	9988	0032	9994	9983	9976	9952	9976	0001	9989	9988	9998	0018	0041	0060	0070	21
22	9926	9988	0032	9995	9979	9975	9950	9977	0000	9987	9990	9999	0020	0042	0060	0071	22
23	9924	9987	0031	0003	9975	9974	9948	9978	9996	9985	9991	9998	0021	0045	0060	0071	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	0070	0059	0071	0067	0070	0063	0042	0040	0049	0050	0060	0060	0062	0082	0077	1002·2	Midnight
1h	0068	0059	0067	0062	0067	0060	0040	0040	0043	0047	0056	0054	0060	0078	0071	1001·8	1h
2	0062	0052	0062	0057	0062	0052	0036	0040	0029	0040	0052	0051	0057	0071	0070	1001·4	2
3	0059	0050	0060	0051	0059	0050	0031	0037	0035	0036	0050	0050	0052	0071	0071	1001·2	3
4	0057	0050	0057	0051	0056	0049	0030	0035	0030	0034	0050	0050	0051	0072	0070	1001·2	4
5	0058	0051	0058	0050	0055	0050	0030	0035	0030	0037	0050	0050	0051	0071	0070	1001·3	5
6	0060	0059	0060	0052	0059	0050	0037	0040	0030	0041	0051	0051	0059	0071	0071	1001·6	6
7	0061	0067	0061	0059	0060	0052	0040	0049	0040	0050	0053	0056	0066	0074	0078	1002·1	7
8	0065	0071	0069	0063	0065	0059	0042	0050	0041	0053	0060	0060	0071	0082	0083	1002·5	8
9	0069	0076	0070	0069	0070	0061	0047	0058	0051	0059	0063	0063	0071	0090	0092	1002·9	9
10	0070	0076	0071	0070	0071	0062	0042	0060	0051	0059	0063	0066	0077	0090	0095	1002·9	10
11	0068	0072	0071	0070	0063	0062	0043	0060	0051	0059	0060	0061	0075	0079	0086	1002·6	11
Noon	0063	0065	0067	0070	0060	0058	0040	0051	0045	0049	0055	0059	0065	0073	0080	1002·2	Noon
13h	0057	0060	0060	0061	0051	0050	0035	0048	0040	0042	0050	0050	0060	0071	0076	1001·6	13h
14	0055	0061	0058	0056	0050	0043	0030	0039	0032	0042	0049	0045	0057	0070	0073	1001·2	14
15	0051	0060	0052	0050	0043	0037	0021	0034	0030	0040	0040	0040	0055	0070	0072	1001·0	15
16	0057	0057	0051	0050	0042	0034	0021	0034	0030	0041	0040	0040	0054	0070	0072	1000·9	16
17	0060	0059	0051	0052	0050	0035	0027	0036	0030	0040	0046	0045	0061	0070	0077	1001·2	17
18	0063	0060	0054	0057	0051	0038	0030	0040	0040	0050	0050	0050	0069	0075	0082	1001·6	18
19	0069	0069	0060	0060	0059	0040	0040	0042	0047	0057	0055	0056	0072	0080	0086	1002·2	19
20	0070	0070	0066	0069	0061	0050	0041	0050	0053	0060	0062	0060	0080	0084	0091	1002·8	20
21	0070	0074	0070	0070	0064	0051	0050	0051	0057	0065	0069	0060	0087	0089	0099	1003·3	21
22	0070	0079	0071	0070	0070	0050	0045	0050	0059	0067	0069	0061	0090	0089	0100	1003·3	22
23	0069	0077	0070	0070	0066	0047	0041	0050	0054	0066	0066	0060	0099	0082	0100	1003·2	23

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

Hour. \ Day.	March 1927.																															
	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	9	7	7	6	1	7	9	9	2	7	9	9	9	1	3	5	3	3	1	8	10	10	10	8	9	8	4	5	1	6·4
1h	10	9	9	8	8	8	1	6	8	8	0	9	10	8	9	1	2	6	3	2	1	9	10	10	10	7	8	8	3	4	1	6·3
2	10	10	8	8	9	9	1	6	9	9	0	10	10	10	9	1	2	8	4	3	1	8	10	10	10	8	9	10	3	5	1	6·8
3	10	10	3	8	10	10	2	5	10	10	0	10	10	10	9	1	3	9	4	3	1	7	10	10	10	7	10	10	2	4	1	6·7
4	10	10	4	7	9	10	2	9	10	10	0	10	10	10	7	1	3	9	5	4	1	9	10	10	10	8	9	10	8	6	1	7·2
5	10	10	5	8	8	9	2	9	10	9	1	10	6	9	5	1	3	9	6	5	1	9	10	10	10	9	9	9	8	8	2	7·1
6	10	10	9	7	10	8	3	8	10	10	4	9	2	9	4	2	3	6	7	8	2	8	10	10	10	10	6	4	7	9	4	7·1
7	10	9	3	10	10	8	4	10	10	10	5	9	1	8	5	2	3	5	5	8	2	9	10	10	10	10	6	4	8	6	8	7·0
8	10	8	3	10	10	8	4	10	10	10	5	9	2	6	5	2	3	3	4	6	4	9	10	10	10	10	7	8	7	9	7	7·1
9	10	10	5	10	10	8	5	9	10	10	4	9	2	5	4	5	3	3	3	5	8	9	10	10	10	10	8	6	6	8	6	7·1
10	10	10	5	10	10	9	7	9	10	10	3	9	4	4	7	7	2	5	8	4	10	10	10	10	9	10	9	9	9	8	5	7·8
11	10	10	8	10	10	9	6	9	10	10	3	9	4	3	7	7	2	8	9	4	10	10	10	10	9	10	10	9	9	8	7	8·1
Noon	10	10	8	10	10	9	6	9	10	10	5	9	5	4	7	9	2	9	10	6	9	10	10	10	10	10	10	9	9	8	8	8·4
13h	10	10	7	10	10	9	6	9	10	10	8	10	5	3	7	8	2	9	10	5	9	10	10	10	10	10	10	9	9	8	8	8·4
14	10	10	5	10	10	9	6	9	8	10	9	10	4	3	6	9	2	8	10	3	9	10	10	10	10	10	10	8	8	9	8	8·2
15	10	10	5	10	10	8	6	10	8	10	10	9	4	3	6	9	2	5	10	5	9	10	10	10	10	10	10	6	7	9	9	8·1
16	10	10	5	10	10	8	6	10	9	10	10	8	3	4	6	8	6	6	9	4	8	10	10	10	10	10	10	8	8	10	9	8·2
17	10	10	8	10	10	7	5	10	9	10	10	6	3	5	7	7	7	7	10	3	6	10	10	10	10	10	10	9	9	10	8	8·3
18	10	8	10	10	10	7	4	10	10	10	10	3	3	6	7	5	8	4	10	2	4	10	10	10	10	10	10	10	6	10	8	7·9
19	10	7	10	10	9	6	8	10	8	10	8	3	3	3	7	7	6	3	9	2	4	10	10	10	10	8	9	10	6	9	4	7·4
20	10	9	8	10	10	5	9	9	9	10	5	2	2	4	6	8	5	2	9	1	5	10	10	10	8	7	9	6	7	9	6	7·1
21	10	9	6	8	3	3	9	8	10	10	3	2	3	9	8	9	4	2	8	1	7	10	10	10	7	6	9	3	7	8	9	6·8
22	9	9	7	8	2	2	9	8	10	7	2	4	3	8	4	8	4	2	6	1	8	10	10	10	6	7	9	4	6	5	6	6·3
23	9	8	8	8	5	2	9	9	9	4	4	7	5	9	2	5	4	3	4	1	8	10	10	10	7	8	8	5	5	2	2	6·1

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

Hour* Ending \ Day.	March 1927.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0
7	0	0	30	0	0	23	30	0	0	0	21	3	55	19	2	40	40	40	28	25	36	1	0	0	0	0	5	17	0	0	29	7·4
8	0	10	52	0	0	55	60	19	0	0	60	0	60	4	45	58	60	60	59	60	55	25	0	0	2	0	38	50	8	33	58	15·5
9	0	45	60	0	0	58	60	55	30	0	60	30	60	20	60	54	60	60	60	40	35	16	0	0	43	0	54	46	15	10	52	18·0
10	0	45	60	0	0	55	60	58	60	0	60	24	60	58	60	60	60	60	60	60	22	0	0	0	35	4	24	10	57	43	60	19·3
11	0	25	60	0	0	40	60	51	60	0	60	23	60	60	60	33	60	58	30	60	58	5	0	0	45	14	52	35	37	57	60	19·4
Noon	0	50	60	0	0	50	60	50	60	29	60	45	60	60	60	42	60	55	30	60	45	0	0	0	28	24	45	40	59	60	60	20·9
13h	0	18	60	0	0	50	60	55	40	60	45	15	60	60	56	50	60	60	3	60	60	0	0	0	22	4	19	14	24	60	33	17·6
14	0	40	25	0	0	11	60	60	58	28	60	46	58	60	60	45	60	60	0	60	60	0	0	0	42	5	8	53	55	44	32	18·2
15	0	30	60	0	0	42	60	7	60	0	45	41	59	60	59	32	60	58	0	60	60	0	0	0	2	8	30	58	58	8	31	16·5
16	0	45	00	0	0	40	58	0	20	0	47	30	57	60	55	30	35	60	1	60	55	0	0	0	0	9	16	55	44	20	24	14·7
17	0	1	32	0	0	1	45	0	18	1	32	45	60	55	60	0	36	60	0	60	54	0	0	0	0	17	58	60	20	20	0	12·2
18	0	0	0	0	0	0	5	0	0	0	0	45	40	35	40	0	0	25	0	36	7	0	0	0	0	0	10	4	0	0	0	4·1
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	0·0

The total amount of registered sunshine was 183·8 hours and the total possible sunshine 377·6 hours.
* Reckoned from apparent midnight.

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

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

MARCH 1927

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

Day. / Hour.	9d.		10d.		11d.		12d		13d.		14d.		15d.		16d.		Day. / Hour
	Air	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	25·8	1·0	25·0	1·2	24·0	1·2	22·0	0·8	22·9	1·3	22·9	0·9	23·6	0·9	22·4	1·4	Midnight
1h	25·8	1·1	24·9	1·2	23·7	1·2	21·9	0·9	23·0	1·2	22·7	0·8	23·3	0·8	21·6	1·1	1h
2	25·6	0·9	24·8	1·1	23·2	1·0	21·8	0·9	22·9	1·2	23·0	0·8	23·3	1·1	22·0	1·1	2
3	25·4	1·0	24·9	1·2	22·8	1·0	21·8	0·9	23·0	1·0	23·3	1·0	23·3	1·1	22·0	1·1	3
4	25·3	1·0	24·7	1·0	22·4	1·0	21·8	0·8	23·1	1·1	23·1	0·3	23·1	1·2	22·0	1·2	4
5	25·1	0·9	24·7	1·0	21·9	0·8	21·5	0·6	22·6	0·7	23·5	0·6	22·9	1·4	21·8	1·2	5
6	25·0	1·0	24·8	1·3	22·0	0·6	21·7	0·7	22·0	1·5	23·8	0·8	22·8	1·5	21·8	1·3	6
7	25·0	1·1	25·0	1·5	22.7	0·5	22·5	1·0	23·0	1·4	24·0	1·0	22·7	1·4	23·0	2·0	7
8	25·7	1·8	25·4	1·5	24·0	1·1	24·4	1·7	25·8	2·8	24·8	1·8	24·1	2·0	25·0	2·8	8
9	26·0	1·9	26·3	2·4	26·0	3·2	25·9	2·9	27·0	4·0	26·0	2·9	26·0	4·1	26·0	3·2	9
10	27·4	2·6	27·2	2·9	27·1	4·4	26·4	3·4	27·5	3·9	26·9	3·4	26·8	5·3	27·8	5·1	10
11	28·0	3·2	28·2	3·5	27·9	5·1	27·0	4·0	28·9	5·2	28·0	4·5	27·3	5·0	27·0	4·8	11
Noon	28·1	3·2	28·7	3·9	28·0	5·2	28·1	5·1	29·2	5·4	28·3	4·4	28·0	5·9	28·0	5·8	Noon
13h	27·9	3·4	28·9	4·2	27·5	3·9	27·7	3·9	28·9	4·9	28·7	4·6	27·5	5·5	27·2	4·7	13h
14	27·9	3·2	27·0	2·9	27·9	5·2	28·2	4·4	29·0	5·0	28·8	4·9	27·9	6·4	28·1	5·2	14
15	27·9	3·2	25·6	1·6	28·0	5·2	27·9	4·2	28·8	4·8	28·4	4·5	27·7	5·7	27·0	4·2	15
16	27·2	2·9	24·8	1·0	26·7	3·8	27·8	4·0	28·0	4·4	27·7	4·2	27·0	4·5	26·9	4·7	16
17	26·7	2·8	24·8	1·1	26·7	4·0	27·2	3·2	27·0	3·6	27·0	3·9	26·1	3·6	26·3	4·1	17
18	26·2	2·3	23·9	1·7	25·4	2·8	25·7	3·4	26·3	3·2	26·1	3·1	25·4	3·2	25·0	3·5	18
19	25·5	1·6	23·2	1·1	24·4	1·9	24·5	2·5	25·0	2·2	24·9	2·1	24·0	2·6	24·0	2·7	19
20	25·4	1·5	23·7	1·5	23·4	1·3	23·8	1·7	24·7	2·0	24·3	1·6	23·0	1·7	23·9	2·8	20
21	25·4	1·5	24·0	1·0	23·4	1·5	23·0	1·1	24·5	2·1	24·2	1·5	22·8	1·8	24·2	2·6	21
22	25·3	1·4	23·7	0·9	23·4	1·6	23·4	1·2	23·7	1·4	23·8	1·1	23·0	2·0	24·0	2·8	22
23	25·0	1·1	24·0	1·3	22·8	1·4	23·0	1·0	23·3	1·3	23·8	1·0	23·0	1·6	24·0	2·8	23

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

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

MARCH 1927

Day / Hour	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day / Hour
Midnight	23·3	2·1	22·9	1·6	24·3	1·8	24·3	1·4	23·0	1·3	24·6	0·9	23·6	0·4	24·0	0·5	Midnight
1h	22·5	1·3	22·6	1·8	24·0	1·8	24·0	1·2	23·4	1·9	23·8	0·9	23·8	0·6	23·8	0·3	1h
2	21·9	1·1	22·5	2·0	24·0	1·8	24·0	1·1	23·2	1·8	24·3	0·8	23·4	0·2	22·8	0·8	2
3	22·9	1·7	22·7	2·4	24·0	1·8	23·9	1·0	22·6	1·6	24·3	1·1	22·9	0·3	23·0	0·2	3
4	22·8	1·9	21·0	0·3	23·9	1·5	23·7	1·2	22·6	1·6	24·2	1·2	23·0	0·3	22·4	0·1	4
5	22·4	1·6	21·3	0·5	23·9	1·2	23·8	1·2	22·3	1·4	23·9	0·9	23·7	0·5	23·0	0·3	5
6	22·2	1·7	21·6	0·5	23·9	1·5	24·0	1·4	21·9	1·1	24·0	1·0	23·8	0·8	23·3	0·6	6
7	23·0	2·2	22·6	1·4	24·3	1·9	24·3	1·4	23·0	1·6	23·8	1·0	23·9	0·9	22·8	0·2	7
8	25·5	4·1	24·9	3·6	26·3	2·7	26·5	3·1	25·8	2·8	24·8	1·2	24·0	0·6	22·8	0·1	8
9	26·6	4·7	26·0	3·9	27·0	3·3	26·3	2·8	25·5	2·1	24·8	1·1	24·7	1·0	23·4	0·6	9
10	27.4	4·6	26·1	3·1	27·8	3·6	27·5	4·1	26·5	2·5	24·3	0·8	25·5	1·4	22·5	0·3	10
11	27.0	4·1	26·9	3·8	27·8	4·1	27·9	4·1	26·9	2·5	25·4	1·6	25·9	1·7	23·5	0·7	11
Noon	27·8	4·8	26·0	3·0	27·6	4·6	28·0	4·4	28·0	3·5	26·0	2·2	25·3	0·7	24·5	1·0	Noon
13	28·0	5·0	27·0	4·0	27·2	3·8	28·5	5·0	27·8	3·3	24·5	1·1	24·5	0·5	24·1	0·8	13h
14	27·8	4·9	27·0	4·0	27·0	3·4	28·3	4.8	28·4	3·9	25·2	1·4	25·0	1·2	23·9	0·6	14
15	27·6	4·6	26·9	3·9	25·9	2·1	28·0	4.6.	28·0	3·8	25·0	1·1	25.2	1·1	24·3	1·0	15
16	25.0	2·0	26·3	3·8	26·3	2·8	27·4	4·3	27·5	3·0	25·4	1·4	24.8	1·0	24·3	1·3	16
17	25·6	2·9	26·0	3·7	25·2	1·6	26·5	3.5	26·2	2·0	25·3	1·5	24.6	0·7	23·8	0·8	17
18	24·0	2·3	25·0	2·3	25·0	2·0	25·5	2·8	24·6	1·6	25·0	1·3	24.4	0·5	23·3	0·4	18
19	23.8	1·9	24·4	1·9	24·8	2·1	24·5	2·3	24·8	1·4	24·5	0·8	24.2	0·6	23·5	0·6	19
20	23·9	2·2	24·2	2·0	24·8	2.3	23·9	1·9	24·9	1·4	24·7	0·9	24.2	0·4	22·9	0·4	20
21	23·3	1·9	24·3	2·1	24·7	2·0	24·3	2·4	24·9	1·4	24·7	0·9	24.5	0·6	22·8	0·5	21
22	22·4	1·1	24.0	1·7	24·6	1.7	23·9	2·0	24·0	0·5	23·6	0·7	24.5	0·6	23·0	0·3	22
33	23·1	1·8	24·4	2·2	24·5	1·6	23·5	2·1	24·6	1·0	24·1	0·5	24.1	1·5	23·0	0·3	23

Day / Hour.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day. / Hour.
Midnight	23·2	0·5	23·4	0·7	23·0	0·9	21·9	0·4	23·5	0·6	24·0	0·9	22·5	0·8	23·8	0·9	Midnight
1h	22·9	0·6	23·1	0·8	23·1	0·6	22·0	0·6	23·4	0·5	24·0	1·1	22·1	0·6	23·7	0·9	1h
2	22·9	0·6	23·0	1·0	23·1	0·6	22·4	1·0	23·5	0·6	24·0	1·0	21·9	0·6	23·6	0·9	2
3	23·0	0·5	23·0	0·7	23·1	0·8	23·0	0·7	23·8	0·8	23·9	1·1	21·9	0·7	23·6	0·9	3
4	23·5	0·7	23·1	0·4	23·4	1·0	23·3	0·8	24·0	0·7	23·7	0·9	21·8	0·7	23·5	0·8	4
5	22·7	0·4	23·7	0·9	24·3	1·6	24·5	1·0	23·7	0·4	23·8	1·3	21·3	0·6	23·5	0·8	5
6	23·1	0·5	24·6	1·8	25·0	2·1	26·0	1·1	24·0	0·6	23·8	1·1	21·1	0·5	23·7	1·0	6
7	22·7	0·2	25·0	2·0	25·0	2·1	24·7	1·4	24·0	0·7	23·9	1·2	22·0	1·1	23·9	1·1	7
8	23·8	1·0	25·4	2·6	26·5	3·0	26·0	1·6	23·9	0·5	25·0	2·0	24·1	1·8	25·2	1·8	8
9	24·2	1·3	26·3	3·1	26·5	3·0	26·0	1·6	23·9	0·6	24·7	1·4	25·5	3·0	25·8	2·2	9
10	24·9	1·3	25·8	2·9	25·5	2·1	26·0	1·4	26·1	1·1	25·8	1·8	26·3	3·5	26·5	2·7	10
11	20·0	2·4	23·1	0·1	24·8	1·8	26·6	2·3	25·9	1·7	26·6	2·6	26·7	3·9	26·8	2·9	11
Noon	24·1	0·9	23·9	1·1	25·2	1·7	26·9	2·6	27·1	2·3	26·7	3·0	27·1	4·0	27.0	3·1	Noon
13h	24·4	1·3	23·8	1·5	25·4	2·4	27·0	2·5	26·4	1·4	26·9	3·2	26·2	3·6	26·8	2·9	13h
14	24·2	1·5	24·6	1·7	25·5	2·5	26·8	2·4	26·7	2·2	26·4	2·0	25·9	3·8	26·9	3·0	14
15	24·0	0·9	22·7	0·7	24·9	2·1	26·6	2·2	27·0	2·6	25·0	1·5	25·8	2·6	26·6	2·7	15
16	24·7	1·5	23·0	0·7	24·0	1·4	26·4	2·1	26·7	2·9	24·2	1·0	24·0	1·3	26·1	2·4	16
17	23·3	1·8	23·0	0·7	24·0	1·6	26·1	2·1	25·8	1·8	24·3	1·6	24·2	1·5	25·7	2·1	17
18	22·9	1·6	23·1	0·7	23·5	0.8	25·2	1·0	24·1	0·8	23·6	1·1	23·9	1·9	25·0	1·8	18
19	22·7	0·9	23·0	0·8	23·5	0·8	24·4	0·6	24·0	0·8	22·9	0·5	23·1	1·4	24·4	1·4	19
20	23·0	0·7	23·2	0·5	23·9	1·0	24·0	0·4	24.0	0·8	23·1	0·8	23·1	1·9	24·3	1·3	20
21	23·2	0·7	23·0	0·6	24·0	0·9	23·8	0·6	24·1	0·8	23·1	1·2	23·1	1·8	24·2	1·2	21
22	23·2	0·8	23·1	0·8	23·9	0·8	23·8	0·6	24·3	0·9	23·1	1·3	22·7	1·7	24·1	1·2	22
23	23·6	1·0	22·7	0·6	23·9	0·8	23·9	0·7	24·2	0·9	22·9	1·1	22·7	1·9	24·0	1·1	23

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

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

MARCH 1927.

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	1006	944	957	924	918	943	885	937	869	974	890	951	882	944	892	911	Midnight
1h	1012	946	955	923	915	938	887	934	877	956	891	944	884	939	891	922	1h
2	997	940	977	932	913	932	885	937	869	976	886	935	882	943	889	929	2
3	1000	941	956	923	916	940	884	940	875	961	882	944	884	939	888	930	3
4	997	940	947	932	914	936	882	945	874	962	881	947	883	943	886	936	4
5	996	940	952	934	906	929	887	933	876	957	893	936	885	937	889	928	5
6	1022	924	938	938	905	925	886	935	884	980	888	958	887	933	888	931	6
7	997	919	932	932	909	922	883	942	887	966	890	948	881	947	887	934	7
8	1023	924	944	929	914	936	880	948	886	968	900	947	879	951	892	937	8
9	1006	921	949	933	909	943	888	931	874	963	900	979	884	940	900	939	9
10	990	918	953	935	918	944	881	946	879	951	900	959	878	954	900	953	10
11	992	918	947	947	917	941	866	951	888	960	900	965	874	963	900	957	11
Noon	992	918	934	934	916	940	864	955	887	963	900	954	879	951	900	949	Noon
13h	977	915	946	946	909	943	871	971	889	955	900	973	874	963	900	956	13h
14	995	900	941	941	912	958	860	960	875	959	883	987	877	955	900	956	14
15	981	900	939	939	900	965	853	970	873	965	884	979	873	941	900	957	15
16	986	900	928	941	889	955	858	963	889	953	888	960	866	934	891	943	16
17	991	900	932	947	880	949	848	952	885	974	888	957	873	927	889	956	17
18	967	900	917	941	881	946	841	959	870	972	887	933	873	927	884	940	18
19	971	929	919	946	889	929	831	969	879	951	879	950	889	917	890	947	19
20	955	923	910	951	895	924	862	957	879	952	887	933	890	915	886	935	20
21	966	927	909	943	890	924	852	972	890	950	885	937	883	926	891	946	21
22	968	928	909	946	892	919	870	973	889	952	886	936	882	927	900	947	22
23	952	934	911	955	890	923	870	973	890	949	884	940	889	928	889	952	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	883	943	887	934	892	920	897	907	878	922	895	905	891	912	882	908	Midnight
1h	883	942	887	934	893	916	898	906	875	910	896	904	894	908	884	907	1h
2	881	946	889	927	895	911	898	906	886	906	892	908	888	919	881	908	2
3	889	952	892	920	894	914	895	911	894	903	892	908	883	926	877	910	3
4	879	951	888	919	897	908	898	906	885	906	897	908	890	915	878	922	4
5	883	943	888	918	896	910	897	908	892	903	900	917	881	919	882	918	5
6	880	949	890	923	896	909	897	907	886	906	900	909	875	925	884	916	6
7	883	941	884	940	897	905	898	906	889	905	900	912	876	924	891	909	7
8	878	952	883	942	891	913	898	906	882	908	892	939	878	922	886	921	8
9	872	968	883	926	884	924	893	909	871	911	881	946	873	927	877	935	9
10	885	976	877	934	888	930	876	915	875	917	881	947	853	947	875	938	10
11	886	972	868	932	887	934	884	911	866	923	878	952	872	942	867	933	11
Noon	884	980	883	926	886	935	883	926	873	918	882	944	876	936	872	941	Noon
13h	887	962	872	941	885	937	881	912	866	934	869	946	870	945	864	936	13h
14	869	974	883	941	885	937	878	922	868	932	875	937	881	947	866	952	14
15	878	953	892	920	885	937	900	919	864	936	862	938	883	941	873	941	15
16	876	958	890	924	887	934	907	907	867	933	864	936	884	940	863	937	16
17	887	962	887	933	885	924	893	909	868	932	851	933	872	942	868	932	17
18	879	950	873	941	890	910	886	922	867	933	871	929	877	923	860	940	18
19	883	941	886	936	892	908	894	908	881	919	884	916	886	914	876	924	19
20	885	938	896	910	889	911	895	905	884	916	887	913	893	907	875	925	20
21	888	931	896	906	889	911	896	904	878	922	886	914	885	906	868	932	21
22	886	936	893	909	895	905	896	904	896	904	885	915	879	909	875	925	22
23	883	943	889	927	892	908	896	904	896	904	885	915	883	907	864	924	23

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

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

MARCH 1927.

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	871	911	871	929	886	935	890	923	881	919	890	950	900	944	918	943	Midnight
1h	878	909	877	934	885	937	890	924	878	922	889	955	900	956	917	941	1h
2	884	916	870	930	885	938	890	925	877	923	889	953	900	965	916	940	2
3	879	932	891	945	884	939	889	929	878	922	881	947	930	972	916	940	3
4	881	928	903	915	883	941	890	923	889	931	877	955	916	940	909	942	4
5	887	920	894	913	883	941	890	925	882	918	877	955	909	943	909	944	5
6	882	927	890	910	885	938	889	928	889	911	878	952	912	957	900	948	6
7	875	925	882	918	888	931	882	943	885	924	877	955	909	946	891	945	7
8	871	943	878	933	883	941	880	949	883	941	872	968	923	956	878	952	8
9	842	958	875	938	879	952	874	962	879	951	872	967	919	947	880	949	9
10	866	952	871	944	873	966	873	966	890	949	876	958	927	966	876	958	10
11	865	952	882	943	877	956	873	966	886	967	873	966	912	959	885	974	11
Noon	876	957	870	973	873	966	875	960	900	966	874	962	910	948	900	967	Noon
13h	876	958	873	965	879	952	878	954	887	963	875	961	913	964	900	976	13h
14	863	957	874	963	872	968	878	954	887	966	879	950	911	954	886	973	14
15	864	955	876	958	882	945	879	952	886	972	874	964	913	966	888	958	15
16	865	935	876	958	882	943	879	952	888	958	879	950	910	950	889	954	16
17	867	933	878	952	881	946	882	945	888	961	879	951	910	949	874	963	17
18	879	932	865	953	884	939	887	932	890	951	878	952	900	957	889	955	18
19	882	918	879	932	885	938	890	925	889	955	879	952	900	952	890	951	19
20	878	922	881	946	885	938	889	928	890	948	884	940	900	936	881	947	20
21	875	925	880	930	886	935	872	941	889	956	880	949	900	942	880	948	21
22	873	927	880	930	890	925	877	934	891	945	884	939	900	954	881	946	22
23	870	920	881	946	889	927	879	921	889	956	882	944	912	959	880	949	23

Day. / Hour	25d.		26d.		27d.		28d		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	890	950	890	947	870	945	892	941	900	930	911	952	895	923	895	933	Midnight
1h	890	951	889	952	891	944	889	953	894	927	911	955	896	921	897	933	1h
2	890	950	882	945	870	945	908	939	894	929	909	944	896	918	896	933	2
3	889	955	882	943	873	941	884	924	894	931	909	945	896	919	896	934	3
4	890	951	883	943	881	947	887	932	900	938	911	952	895	922	895	933	4
5	887	962	900	942	883	941	886	935	906	930	912	957	896	918	897	931	5
6	900	952	912	961	875	938	886	935	907	933	910	949	897	917	897	933	6
7	887	963	911	955	869	946	886	936	906	929	909	944	896	921	895	933	7
8	887	962	900	960	870	945	884	939	916	939	910	947	891	922	895	940	8
9	886	967	887	965	862	957	900	943	914	934	916	939	893	934	894	944	9
10	889	954	886	971	870	973	916	940	922	933	919	946	900	950	892	948	10
11	885	976	900	986	868	978	922	952	918	943	923	955	900	941	892	952	11
Noon	872	967	900	978	877	956	917	941	917	941	910	950	900	944	893	950	Noon
13h	873	966	900	978	873	966	908	939	915	938	889	954	900	950	890	952	13
14	889	956	888	961	871	969	900	954	925	937	910	949	900	956	890	952	13
15	890	950	887	964	876	957	900	945	917	941	912	958	880	948	889	949	14
16	875	959	888	958	877	955	900	944	908	941	880	948	892	941	888	944	15
17	877	955	888	958	872	968	886	935	891	944	885	937	890	950	885	944	16
18	879	950	878	952	878	953	887	933	892	940	886	936	892	937	883	940	17
19	877	955	886	935	886	935	888	931	885	937	889	926	889	928	888	935	18
20	881	946	882	943	891	944	889	926	888	931	888	930	893	933	889	931	19
21	883	942	883	941	882	945	896	918	880	930	886	934	877	935	887	933	20
22	886	936	871	944	885	938	891	922	900	952	894	930	883	917	890	931	21
23	882	944	869	946	883	942	895	925	900	961	895	924	889	926	889	935	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during MARCH 1927.

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

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

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

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MARCH 1927.

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
					mm.																							mm	mm	mm	mm
1h	0·8	...	...	...	0·2	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	0·5	2·4	1·3	2·1	...	...	0·7	...	...	...
2	16·0	...	...	...	0·5	0.2	...	0·2	0·3	...	...	...	...	...	0·1	...	...	...	...	...	...	...	5·6	14·7	0·8	...	1·1	...	...	...	...
3	7·0	...	1·3	...	0·3	0.9	...	0·2	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	19·0	19·0	1·2	...	...	2·5	...	...	...
4	5·0	...	0·4	0·5	6·0	0·1	...	0·2	...	...	...	...	...	1·8	0·1	...	...	2·1	...	...	...	0·2	5·0	2·5	0·2	...	0·2	0·2	...	...	...
5	1·8	...	...	...	1·9	...	...	0·4	0·2	...	...	...	...	0·2	...	...	...	0·1	...	...	...	1·8	1·4	0·5	0·8	...	0·3	...	0·4	...	...
6	...	...	...	...	1·0	...	...	...	0·5	...	...	...	...	...	...	...	...	1·3	...	...	...	...	17·5	...	...	...	...	...	...	...	...
7	...	...	0·1	...	2·0	...	...	0·4	0·2	...	...	...	...	...	...	...	...	0·2	...	...	0·1	1·0	0·1	17·0	0·1	...	...	...	...	...	...
8	...	...	...	...	2·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·5	0·9	10·0	0·6	...	...	...	...	...	...
9	...	...	...	0·5	3·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	1·8	0·3	...	...	...	2·8	...	...
10	...	...	...	0·3	2.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	...	8·8	...	...	...	2·5	0·3	0·7	...
11	...	1·0	...	...	3·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	1·8	0·1	...	...	7·5	...	...	0·5
Noon	...	0·1	...	0·8	5·2	0·3	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·8	0·9	...	...	...	...	...	...
13h	...	0.1	...	0·3	5·0	0·4	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	4·2	5·0	0·4	0·2	...	...	0·2	0·2	...	...
14	...	...	...	0·1	3·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	6·0	2·2	0·3	6·2	2·1	...	...	0·3	...
15	...	...	...	0·2	2·9	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·2	...	...	0·5	1·8	...	...	...	...	...
16	...	1·0	...	0·2	...	...	...	0·3	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	1·2	0·1	...	...	...	...	...
17	...	...	...	0·2	...	...	...	...	...	0·8	...	...	...	...	...	...	...	...	0·4	...	0·1	...	0·2	...	...	...	...	...	...	...	...
18	...	1·2	...	1·1	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	0·2	...	0·3	...	1·8	2·8	...	0·8	...	0·9	...
19	...	0·8	...	1·8	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	0·2	...	0·6	...	1·0	0·1	...	4·0	...	0·2	...
20	...	...	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	2·0	0·8	0·6	...	...	...	...	...
21	...	...	...	3·0	2·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	2·8	0·1	...	0·1	...	...	...	...
22	...	...	2·1	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·2	0·2	1·2	...	0·2	0.1	...	...	...	...
23	...	...	...	...	...	...	0·4	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	0·2	0·8	...	...	...	...	...	...	...
24	...	...	...	...	0·8	...	...	0·2	...	...	...	...	...	0·3	...	...	...	...	...	...	...	4·8	1·2	0·1	...	0·2	...	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART for the MONTH of MARCH 1927.

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	14·20	36·07	201·2	22
	3	Belmont	50	13·34	338·8	184·4	21
	4	Poudre d'Or	20	15·03	381·8	168·9	23
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	17·38	441·4	312·4	24
	10	Mont Piton	360	17.08	433·8	295·9	22
	11	Mon Choix	700	15.67	398·0	272·5	22
	12	Antoinette	640	22·20	563·9	275·6	22
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	31·44	798·6	375·4	21
	15	Mon Songe	179	18·60	472·4	341·9	17
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	16·45	417·8	252·7	21
	19	The Observatory ...	179	13·45	341·6	236·0	25
	20	Solitude§	175	...	...	...	...
	21	St André	90	12·40	314·9	208.8	14
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	..	...	...
	25	Esperance (Trebuchet)§	165	..	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	..	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ..	137	...	...	...	...
	48	Mapou Station§ ..	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E.§	600	...	...	...	..
	2	Constance d'Arifat L.G.	100	14·26	362·2	305·3	20
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	24·65	626·1	374·1	24
	5	Constance (Manès)§ ...	..	...	...	...	..
	6	Queen Victoria§ ...	.	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	23·40	594·3	...	22
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Soucis§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ§	20	...	...	...	..
	4	Belle Rive§	400	..	...	...	...
	5	Olivia	400	26.31	668 2	310·9	24
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	..
	9	Bonne Veine*	...	39.53	100·4	...	25
5	1	Rose Belle§	850	.	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	..	...	...	...
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	34·22	869·2	553·7	21
	2	Tivoli*	1,300	36·11	917·2	...	29
	3	La Flora*	1,050	29·88	758·9	...	27
	4	Britannia§	730	26·11	663·2	421·6	28
	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	33·31	846·1	...	27
	10	Terracine§	1000	...	...	...	...
	11	St. Félix S·E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	17·64	448·0	...	23
	15	Fontenelle*	...	17·95	455·9	...	17
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	.	...	...
7, 8 & 9	1	Bel Ombre§	40	...	...	...	...
	3	Beau Champ§	...	...	...	...	...
	4	Board§	...	...	...	...	...
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	54·56	1385·8	452·6	31
	3	Mare aux Vacoas ...	1,850	56·65	1438·9	515·6	30
	4	La Marie Filter Bed ...	1,700	57·09	1450·1	416·8	30
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse§	850	...	...	...	...
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands§	1,300	...	...	...	...
	7	Trianon	950	23·28	591·3	292·8	22
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	9·73	247·1	...	20
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,000	19·88	504·9	456·7	25
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	..	...	...	...	...
	15	Hermitage§	...	...	...	...	..
	16	Côte d'Or	...	33·95	862·3	...	25
	17	Mon Repos§	...	...	..	...	...
13	1	The Albion Dock§ ...	18	..	...	...	...
	2	Institute*	...	7 83	198·9	...	11

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of MARCH 1927

Type / Day	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulu		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dr.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
	h		°		°		°		°		°			h		°		°		°		°		°		°
1	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	...	270	14·6	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	12	...	300	27·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	...	...	*300	6·8	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	12½	...	...	300	5·7	...	...	...	...	...	...	...	...
15	11¾	...	300	15·9	...	...	...	...	...	...	...	...	...	14½	...	...	330	9·0	...	...	...	...	...	...	...	...
16	9½	...	360	6·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	12¾	...	...	330	8·0	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	...	...	300	9·4	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	14½	...	...	300	16·6	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	...	...	*290	11·4	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	...	...	255	12·8	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* From the Observatory Pamplemousses.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

APRIL 1927

M. OLIVIER,

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

PORT LOUIS
PRINTED AT THE GOVERNMENT PRESS
1927.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of APRIL 1927

Month and Day. 1927	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
	° ′				Unit = γ	
1	...	...	...	...	...	...
2	...	...	...	...	...	...
3	...	...	...	...	...	...
4	11·31·6	·22828	...	3·5	44	...
5	33·4	832	...	8·4	20	...
6	40·2	839	...	7·2	35	...
7	33·3	827	...	8·8	52	...
8	28·8	783	...	8·8	76	...
9	28·8	786	...	10·8	128	...
10	30·1	780	...	9·8	48	...
11	30·1	792	...	8·4	83	...
12	30·5	797	...	8·2	40	...
13	30·0	818	...	6·3	46	...
14	30.5	742	...	8·0	232	...
15	29·6	739	...	7·0	40	...
16	30·1	767	...	8·0	39	
17	30·4	773	...	8·4	21	...
18	30.5	774	...	11·0	30	...
19	30·0	791	...	15·0	37	...
20	30·2	810	...	9·4	37	...
21	...	804	...	...	10	...
22	...	804	...	...	10	...
23	...	816	...	...	56	...
24	32·4	785	...	9·8	79	...
25	30·5	797	...	4·6	37	...
26	32·7	803	...	4·8	26	...
27	32·7	801	...	7·8	23	...
28	31·5	817	...	4·6	33	...
29	30·7	821	...	10·2	37	...
30	30·6	815	...	6·1	29	...
	...	...	...	...	...	...
Mean	11·31·22	·22798	...	8·12	42·5	..

Description of the Principal Magnetic Disturbance

No noteworthy disturbance occurred until about 9h. on the 8th. The following days were all disturbed until the 13th which was quiet.

The biggest disturbance of the month began about 3.30 on the 14th.

Owing to defective H. record it is not certain whether there was a "sudden commencement" about that time. H showed a general increase of about 30γ from the commencement to about 10h and then a decrease of 250γ to 17h followed by a recovery of 100γ to 20h and a slow rise in the quiet period following.

The maximum disturbance in D during this storm occurred between 15h and 16h when there were irregular movements of about 4 minutes of arc amplitude

Fairly quiet conditions prevailed until the 24th then moderate disturbances until 10h on the 25th and quiet conditions again until the end of the month.

Γ=* : Mean Dip=θ=* . (X=·22339: Y=−·04554 :Z=*).

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

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of APRIL 1927

Declination (West)		Horizontal Force (C.G.S. Unit)		Dip (South). A.M. Observations		Resulting Vertical Force. C. G. S. Units.	P. M Observations.		Resulting Vertical Force Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	′		d h m	° ′	
APL. 8· 9·41	11.33·27	APL. 12·9·59	·22799	APL. 12.9·8	52.19·44	·29531	APL. ...	...	...
12· 9.19	11.34·17	14·9·55	·22838	21.9.29	52.22·38	·29582	...	...	...
21· 9.48	11.33·80	22·9·54	·22812	29·9·30	52·16·00	·29497	...		...
27.14·27	11.26·58								

* See note at foot of Table V.

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

APRIL 1927.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour
	11° +																
Midnight	...	...	...	31·0	29·6	37·4	37·8	30·0	30·8	31·0	31·8	31·0	30·0	30·3	32·8	30·7	Midnight
1h	...	...	...	31·0	29·9	38·0	35·8	29·0	30·6	31·6	30·6	31·8	30·2	30·6	30·6	31·0	1h
2	...	...	...	31·0	30·6	38·1	32·0	29·0	30·9	30·1	30·8	31·8	30·0	30·6	30·6	31·2	2
3	...	...	...	31·0	30·6	38·3	30·0	29·0	30·6	30·0	31·8	31·9	30·5	30·9	30·6	31·2	3
4	...	...	...	30·9	30·8	38·0	30·0	29·0	30·1	30·6	31·8	31·8	30·2	31·3	30·5	31·2	4
5	...	...	...	30·4	30·0	38·3	29·8	29·0	30·1	30·0	31·8	31·9	31·2	32·2	29·7	31·2	5
6	...	...	...	30·8	30·0	38·3	30·0	28·0	30·6	30·3	30·7	32·0	30·4	32·8	29·8	31·2	6
7	...	...	...	31·8	30·0	38·2	31·9	28·0	30·1	30·7	30·8	31·9	30·3	33·6	30·9	31·8	7
8	...	...	...	31·9	30·0	38·0	32·4	28·3	32·0	32·0	32·1	31·2	30·2	33·7	33·0	32·8	8
9	...	...	...	31·7	31·7	37·9	34·2	32·0	32·8	34·1	33·8	33·0	33·7	34·0	32·8	34·0	9
10	...	...	...	30·8	33·2	38·0	35·8	33·4	32·4	35·0	34·2	34·2	34·0	33·0	32·8	33·0	10
11	...	...	...	31·4	34·1	39·0	35·9	32·0	30·6	32·4	33·5	33·6	32·0	29·6	30·0	30·3	11
Noon	...	...	...	32·8	34·2	40·6	35·6	28·0	26·0	32·1	30·2	30·3	29·0	28·4	27·0	27·0	Noon
13h	...	...	...	32·8	34·0	41·7	34·3	25·4	24·0	29·0	26·6	26·5	28·0	30·0	26·0	26·0	13h
14	...	...	...	33·2	33·9	42·1	34·2	24·6	22·9	25·8	25·8	26·0	28·0	27·0	26·0	27·0	14
15	...	...	...	33·6	34·0	44·4	35·0	25·0	22·0	25·2	26·1	27·8	27·7	26·0	26·2	27·6	15
16	...	...	...	33·5	34·1	44·6	35·9	26·0	23·7	26·0	26·8	28·0	27·8	27·4	27·6	28·0	16
17	...	...	...	33·0	34·0	43·0	36·1	27·0	26·0	27·8	27·4	28·6	28·1	26·5	28·2	29·0	17
18	...	...	...	32·6	34·8	42·4	36·0	28·0	27·3	28·3	28·1	28·8	29·4	28·1	28·4	29·0	18
19	...	...	...	32·0	36·8	42·8	35·8	29·0	27·9	29·3	27·6	29·7	29·7	29·4	29·5	29·2	19
20	...	...	...	31·3	38·0	43·7	34·0	29·0	27·9	30·0	29·7	29·8	29·7	30·8	29·6	30·0	20
21	...	...	...	30·4	38·0	42·7	32·0	30·0	29·8	30·1	30·0	29·8	29·8	31·7	30·0	30·0	21
22	...	...	...	30·8	37·9	41·1	30·0	30·6	30·8	30·1	30·4	30·0	30·3	31·8	30·0	30·0	22
23	...	...	...	30·1	37·5	39·0	29·0	31·2	31·2	30·0	30·6	30·0	30·3	31·9	30·3	30·0	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day \ Hour
	11° +																
Midnight	30·2	30·8	30·4	30·8	31·0	...	...	27·0	29·0	32·0	34·0	30·8	32·0	29·7	...	31·2	Midnight
1h	30·4	31·0	30·4	30·9	30·8	...	...	27·2	27·8	31·9	34·0	31·0	32·3	30·0	...	31·1	1h
2	30·8	31·0	30·4	31·0	30·8	...	...	28·0	27·8	31·6	34·0	31·2	32·2	30·0	...	31·0	2
3	31·0	31·0	30·6	30·8	30.6	...	...	28·1	28·1	30·6	33·8	31·8	31·6	30·0	...	31·0	3
4	31·2	31·2	31·0	30·8	30·8	...	...	28·3	28·5	30·0	33·9	32·0	31·4	29·6	...	31·0	4
5	31·5	31·2	31·2	31·0	30·8	...	...	28·5	28·0	29·0	32·8	32·5	31·7	28·8	...	30·9	5
6	31·8	31·3	31·0	31·0	30·6	...	...	28·8	28·0	29·4	31·8	33·6	31·8	28·4	...	30·9	6
7	32·0	33·0	32·0	30·8	...	...	...	30·1	29·4	29·6	32·3	32·4	32·0	29·0	...	31·4	7
8	34·0	35·4	33·4	32·2	...	...		32·0	30·4	31·4	33·8	32·1	33·4	30·5	...	32·3	8
9	35·4	36·4	35·4	34·4	...	...	...	33·9	31·9	33·6	35·6	32·1	35·6	33·8	...	33·9	9
10	34·6	35·0	36·0	34·0	...	...	...	35·8	32·4	34·0	37·0	32·0	36·4	34·5	...	34·2	10
11	31·0	31·8	32·2	31·8	...	...	...	36·8	32·3	34·0	37·0	32·0	36·0	34·5	...	33·1	11
Noon	28·0	27·6	27·0	28·0	...	...	...	36·6	32·0	34·0	35·4	32·0	33·0	32·8	...	31·2	Noon
13h	27·0	25·4	22·2	27·0	...	...	...	35·4	32·0	33·9	33·2	31·4	30·0	31·2	...	29·7	13h
14	27·0	26·0	21·0	25·0	...	...	...	34·2	31·0	33·0	30·2	31·0	28·0	30·0	...	28·9	14
15	27·2	26·8	24·8	26·4	...	...	...	34·0	30·0	32·5	29·2	29·8	26·4	28·5	...	29·0	15
16	28·0	27·7	27·0	27·0	..	...	...	35·4	30·3	33·9	29·8	29·0	26·2	28·6	...	29·7	16
17	29·0	28·6	29·3	30·0	...	...	...	36·3	31·4	33·9	30·4	30·6	28·0	29·4	...	30·5	17
18	29·0	29·7	30·0	30·2	...	...	...	36·2	31·4	34·0	31·0	31·4	28·6	30·2	...	31·0	18
19	29·4	30·0	30·4	30·2	...	...	...	35·8	31·8	34·0	32·0	31·0	28·6	30·4	...	31·3	19
20	30·0	30·0	30·8	30·3	...	...	...	34·0	31·6	34·1	31·2	31·0	28·2	30·8	...	31·5	20
21	30·3	30·0	30·6	30·4	...	...	...	33·0	32·2	34·2	31·2	31·4	28·3	31·0	...	31·5	21
22	30·2	30·0	30·8	30·2	...	...	...	32·5	32·4	34·0	31·4	32·0	28·2	31·0	...	31·5	22
23	30·4	30·4	30·8	30·2	...	...	...	31·6	32·6	34·0	31·2	31·4	29·0	31·0	...	31·4	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).

APRIL 1927.

Day. / Hour.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	·29000 + (C.G.S. UNIT).																
Midnight	...	...	...	811	822	830	824	802	780	755	793	770	802	814	719	750	Midnight
1h	...	...	...	811	828	831	827	801	784	762	799	779	803	819	720	751	1h
2	...	...	...	813	830	830	826	797	789	769	803	781	810	817	726	755	2
3	...	...	...	815	832	828	829	796	801	772	809	789	807	817	725	753	3
4	...	...	...	827	832	831	831	799	802	773	809	802	806	807	726	759	4
5	...	...	...	839	831	837	830	800	808	779	810	802	809	809	735	760	5
6	...	...	...	834	835	839	837	801	812	779	811	803	811	813	740	761	6
7	...	...	...	827	839	840	841	805	813	781	813	800	811	823	741	763	7
8	...	...	...	819	842	841	841	809	811	789	810	800	817	810	741	769	8
9	...	...	...	817	841	841	842	802	813	790	806	806	823	827	748	772	9
10	...	...	...	820	840	841	841	801	817	792	801	801	829	832	751	776	10
11	...	...	...	826	840	848	841	798	817	793	796	798	837	787	743	780	11
Noon	...	...	...	833	839	860	841	793	831	803	813	802	848	789	751	787	Noon
13h	...	...	...	840	832	860	849	798	847	803	812	810	847	740	753	789	13h
14	...	...	...	849	829	859	850	775	837	780	799	802	838	700	759	788	14
15	...	...	...	855	825	850	841	760	801	771	773	802	832	640	743	772	15
16	...	...	...	844	826	850	833	748	772	770	783	802	821	611	740	760	16
17	...	...	...	826	828	841	820	733	746	763	800	798	812	600	720	760	17
18	...	...	...	823	832	838	809	742	742	770	802	793	812	603	728	762	18
19	...	...	...	822	830	837	799	751	730	775	778	792	809	637	725	763	19
20	...	...	...	830	831	833	798	760	731	779	750	799	808	670	740	764	20
21	...	...	...	834	830	830	799	763	719	784	730	792	809	691	743	765	21
22	...	...	810	826	827	830	800	777	724	789	750	799	810	697	747	767	22
23	...	...	810	817	827	825	801	781	751	792	762	800	812	699	749	768	23

Day / Hour.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d	30d.	...	Mean	Day / Hour
	·29000 + (C.G.S. UNIT).																
Midnight	767	770	770	800	802	800	810	789	773	792	793	797	810	820	...	791·3	Midnight
1h	770	772	772	801	801	801	811	791	798	791	792	800	810	822	...	794·3	1h
2	770	773	775	802	803	801	811	793	801	792	793	800	811	820	...	796·2	2
3	769	772	779	802	804	803	812	810	799	799	798	810	812	819	...	798·6	3
4	770	773	779	802	805	805	813	809	799	799	801	809	813	811	...	799·9	4
5	770	774	781	801	809	807	815	809	800	800	805	810	817	819	...	803·1	5
6	772	778	786	802	809	809	816	810	794	801	810	810	819	823	...	804·3	6
7	773	775	791	803	808	807	821	811	803	807	812	813	822	827	...	806·3	7
8	780	772	797	807	809	809	829	819	810	807	813	820	820	820	...	807·8	8
9	783	775	794	811	808	805	832	799	809	810	812	830	820	820	...	808·7	9
10	783	782	792	815	805	806	832	781	801	812	811	830	829	820	...	808·9	10
11	782	793	803	831	809	810	840	800	809	817	810	830	838	823	...	811·1	11
Noon	783	791	807	837	807	810	842	800	809	815	810	830	847	824	...	814·9	Noon
13	784	783	791	831	803	810	843	791	807	811	802	829	839	820	...	812·0	13h
14	779	779	790	830	805	809	840	774	797	810	800	825	830	827	...	805·6	14
15	776	770	799	822	800	808	829	770	790	809	796	822	823	811	...	795·9	15
16	771	769	798	813	801	810	820	779	790	802	795	820	820	811	...	791·1	16
17	770	769	797	806	801	810	813	779	790	799	790	817	819	810	...	7 5·8	17
18	766	763	797	804	801	809	810	765	790	795	790	817	820	809	...	784·9	18
19	763	768	793	803	801	810	799	740	789	800	790	816	820	807	...	783·2	19
20	766	767	798	802	800	810	787	740	783	796	790	815	816	800	...	783·8	20
21	769	765	795	802	800	810	790	751	789	799	798	814	813	801	...	784·6	21
22	770	767	796	801	799	809	795	761	789	800	800	812	812	801	...	787·2	22
23	770	768	797	801	800	810	793	769	790	799	799	812	815	801	...	789·2	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).

APRIL 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	Z + (10—6 C.G.S. UNIT.)																
Midnight										25		50					Midnight
1h										29		49					1h
2										26		48					2
3										22		47					3
4										29		45					4
5										28							5
6										30							6
7										26							7
8										19							8
9									19	18	54					52	9
10									18		47					43	10
11									19		35					32	11
Noon									16		23					23	Noon
13h									17		19					22	13h
14									13		18					26	14
15									13		20					27	15
16									22		23					31	16
17									27		29					37	17
18									27		35					39	18
19									23		37					42	19
20									25		47					43	20
21									31		49					47	21
22									38		53					47	22
23									26		50					48	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.		Mean	Day. / Hour
	Z + (10—6 C.G.S. UNIT.)																
							38										
Midnight	47		42	42	40	41	37						36	33			Midnight
1h	45		41	41	40	40	37						36	33			1h
2	44		40	39	39	39	36						37	32			2
3	43		39	39	38	38	36						37	32			3
4	44		39	38	38	38	36						37	33			4
5	46		40	39	38	38	34						39	36			5
6	46		40	40	38	38	33						39	35			6
7	47		42	40	38	39	39						43	36			7
8			47	44	42	44	46						42	41			8
9			49	49	45	48							43	48			9
10			47	36		46							36	48			10
11			30	30		40							20	40			11
Noon			12	20		21							6	30			Noon
13h			7	18		11							3	27			13h
14			8	19		6							7	26			14
15			14	23		9							9	23			15
16			25	28	29	17							12	26			16
17			32	34	33	22							21	30			17
18			35	37	36	27						38	30	33			18
19			36	37	37	30						38	33	36			19
20			38	39	38	33						39	35	37			20
21			42	42	39	37						39	35	38			21
22			42	42	40	37						37	34	40			22
23			42	42	41	38						37	36	39			23

* Absolute values cannot be allotted. The figures are consistent apart from instrumental drift throughout the month, but discontinuities may occur between successive months. These will be noted

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of APRIL 1927.

Month and Day 1927	Observations at 10 a.m.								Temperature of the Air.						
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees*	Wind. Velocity.	Highest.	Lowest.	Range	Amount of Cloud (Scale 0—10)	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	969·2	23.6	1·4	21·4	87	25·2	292	4·3	Thermometer broken	19·1		3·0	1·0	10·0	84
2	968·5	22·6	0·5	21·7	95	25·7	303	6·7		19·2		2·1	0·7	10·1	85
3	967·5	21·9	0·6	20·8	93	24·3	281	2·7		19·2		5·5	3·5	6·4	54
4	966·8	23·8	1·9	20·5	82	23·9	270	5·8		18·4		2·6	0·7	9·1	77
5	966·7	24·1	1·2	22·0	88	26·2	281	2·4		19·7		2·4	0·0	6·7	57
6	965·7	24·0	1·0	22·3	90	26·7	281	2·7		19·0		3·7	0·0	6·2	53
7	965·9	22·7	0·5	21·8	95	25·9	281	2·2		17·9		3·3	0·0	10·3	87
8	967·1	23·1	0·5	22·2	95	26·5	292	5·6		19.1		4·4	0·0	10·2	87
9	968·6	23·6	1·0	21·9	90	26·0	292	5·8		18·9		3·3	1·0	10·3	88
10	967·7	23·9	1·8	20·8	83	24·3	281	5·3		17·9		3·3	0·1	9·5	81
11	967·5	23·0	1·7	20·0	83	23·2	292	7·1		17·2		3·6	1·7	10·1	86
12	967·3	23·1	1·8	20·0	83	23·2	270	6·5		18·9		5·3	5·0	10·1	86
13	968·2	21·3	1·0	19·5	89	22·4	292	6·7		18·5		4·2	1·0	8·3	72
14	967·7	21·4	0·1	21·2	98	24·9	270	1·8		19·7		6·6	2·5	1·0	9
15	967·4	23·5	0·8	22·1	91	26·3	292	2·7		18·7		8·5	6·7	5 6	48
16	966·1	23·0	0·9	21·4	91	25·2	292	0·9		18·9		6·5	0·0	9·0	78
17	965·0	21·5	0·2	21·1	98	24·8	270	6·0		20·0		8·6	11·1	1·1	9
18	966·7	24·0	0·4	23·3	96	28·3	247	0·6		20·9		5·7	3·5	10·1	87
19	966·7	24·7	1·2	22·6	88	27·1	225	0·8		20·6		7·6	0·0	4·9	43
20	965·9	23·9	1·1	22·0	89	26·2	281	0·6		18·9		5·7	5·7	7·4	64
21	965·1	23·1	0·9	19·8	81	22·9	292	2·4		19·0		9·3	0·0	3·6	31
22	967·5	21 8	0·6	19·0	84	21·8	303	4·5		20·3		8·6	0·0	5·2	45
23	966·6	20·9	0·4	20·2	95	23·4	292	4·7		18·1		7·2	1·8	2 2	19
24	967·1	21·3	0·9	19·7	90	22·7	281	5·6		18.6		8·1	4.0	6·8	59
25	967·9	20·2	0·2	19·8	98	22·9	259	4·0		18·7		10·0	1·0	0·3	3
26	965·2	22·0	0·4	21·3	96	25·1	247	7·4		20·0		10·0	3·3	0·3	3
27	964·5	22·9	0·2	22·5	98	27·0	302	1·3		20·6		9·0	37·4	0·9	8
28	967·1	23·9	0·8	22·5	92	27·0	214	0·6		19·6		6·3	91·0	6·2	54
29	968·8	23·8	1·1	21·9	89	26·0	270	2·2		20·7		3·3	0·5	8·7	76
30	968·1	23·2	0·3	22·7	97	27·3	270	0·9		17·6		3·3	0·0	6·7	59
...	...	...	...	...	...	...	...	...		...		...	...	...	...
Mean	967·0	22·8	0·8	21·2	90·5	25·0	281·3°	3·5		19·1		5·7	Sum 183·2	6·58	56·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.	Atmospheric Pressure	+41·3 mbs
	Temperature of the Air	+ 3·2°C
	Vapour Tension	− 1·3 mbs
	Relative Humidity	−19·3%
	Direction of Wind	2.3°E
	Velocity of Wind	+ 0·9 m.p.s.
	Amount of cloud	+ 0.3

Amount of rain	−92·5 m.m.
Duration of sunshine	+29·0 hrs.
Mean of highest temperatures	...
Mean of lowest temperatures	+2·5°C
Absolute highest temperature	...
Absolute lowest temperature	+2·5°C

*North (0); W (8); North (16); East (24)

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1927.

Month and Day 1927.	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)		Elasti 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.		
APRIL	mbs.	mbs.	c	c	c	c	c	c		c			mbs.	c	mm.	min.	mm.	
1	1009·8	+ 3·3	27·2	21·0	6·2	23·7	— 1·1	2·6	19·2	— 1·8	76	— 4	22·0	17·2	0·5	5	5·3	2.7
2	1009·1	+ 2·5	27·0	20·9	6·1	23·8	— 1·0	2·6	19·3	— 1·6	76	— 4	22·2	17·5	0·0	...	6·0	3·2
3	1008·1	+ 1·4	26·4	21·9	4·5	23·8	— 1·0	2·0	20·4	— 0·5	81	+ 1	23·7	20·0	1·7	28	4·3	4·8
4	1007·4	+ 0·7	27·3	21·9	5·4	24·2	— 0·5	2·3	20·2	— 0·6	78	— 2	23·4	18·8	0·1	2	4·9	3·0
5	1007·2	+ 0·4	27·4	21·9	5·5	24·4	— 0·3	2·1	20·8	0·0	80	0	24·3	19·1	0·0	...	4·8	4·7
6	1006·1	— 0·8	27·5	21·3	6·2	24·1	— 0·5	2·2	20·3	— 0·4	79	— 1	23·6	18·5	0·0	...	4·6	2·8
7	1006·4	— 0·5	27·0	20·5	6·5	23·7	— 0·9	2·8	18·9	— 1·8	75	— 5	21·6	17·9	0·0	...	4·5	3·4
8	1007·7	+ 0·7	27·6	22·1	5·5	24·4	— 0·1	2·4	20·3	— 0·3	78	— 2	23·6	20·1	0·0	...	4·4	5·3
9	1009·1	+ 2·0	27·2	22·2	5·0	24·3	— 0·2	2·5	20·0	— 0·6	77	— 3	23·2	18·8	0·0	...	4·6	3·4
10	1008·9	+ 1·7	27·2	21·1	6·1	24·0	— 0·4	2·4	19·9	— 0·6	78	— 2	23·0	18·6	0·0	...	5·0	4·1
11	1008·0	+ 0·8	27·0	20·4	6·6	23·6	— 0·8	2·9	18·6	— 1·8	74	— 6	21·2	17·5	0·7	20	6·0	4·2
12	1007·8	+ 0·5	26·9	21·4	5·5	23·8	— 0·5	2·8	19·0	— 1·4	75	— 5	21·8	19·3	0·7	15	4·3	5·8
13	1008·9	+ 1·5	27·0	21·5	5·5	23·9	— 0·4	2·9	18·9	— 1·4	73	— 7	21·6	19·6	0·0	...	5·0	5·9
14	1007·9	+ 0·5	26·2	22·3	3·9	23·7	— 0·5	1·5	21·1	+ 0·8	86	+ 7	24·8	19·3	3·3	54	2·3	8·6
15	1008·0	+ 0·5	27·4	21·0	6·4	23·7	— 0·5	2·4	19·6	— 0·6	78	— 1	22·6	17·2	0·5	9	4·3	7·2
16	1006·5	— 1·1	28·3	20·9	7·4	24·4	+ 0·3	2·0	21·0	+ 0·8	81	+ 2	24·6	15·3	1·1	20	4·1	5·2
17	1005·6	— 1·1	26·1	22·3	3·8	24·0	— 0·1	1·0	22·3	+ 2·2	91	+ 12	26·7	21·8	12·3	85	4·5	8·1
18	1007·5	— 0·2	28·3	22·0	6·3	25·0	+ 1·0	1·7	22·1	+ 2·0	84	+ 5	26·3	20·1	5·3	35	2·3	6.2
19	1007·4	— 0·4	23·5	22·6	5·9	24·8	+ 0·9	1·5	22·2	+ 2·2	86	+ 7	26 5	18·4	0·5	20	2·5	7·6
20	1006·6	— 1·3	27·1	21·2	5·9	24·2	+ 0·3	2·0	20·8	+ 0·8	81	+ 2	24·3	16·9	0·0	...	3·6	5·5
21	1006·2	— 1·7	28·0	20·1	7·9	24·0	+ 0·2	2·1	20·4	+ 0·5	80	+ 1	23·7	17·2	0·1	5	5·1	8.8
22	1007·5	— 0·5	27·8	22·6	5·2	24·5	+ 0·7	2·7	19·9	0·0	76	— 3	23·0	19·5	0·0	...	6·2	8·1
23	1007·8	— 0·3	26·3	21·9	4·4	23·7	0·0	2·9	18·7	— 0·9	74	— 5	21·4	19·6	0·0	...	3·5	8·4
24	1007·9	— 0·2	26·9	21·9	5·0	23·8	+ 0·1	2·4	19·7	— 0·1	78	— 1	22·7	19·2	0·4	20	5·4	9·4
25	1007·6	— 0·6	26·4	22·5	3·9	24·0	+ 0·4	2·3	20·0	+ 0·3	79	0	23·2	21·3	2·1	63	4·1	10·0
26	1005·7	— 2·6	26·3	22·9	3·4	24·1	+ 0·5	1·2	22·0	+ 2·4	88	+ 9	26·2	21·4	20·9	120	2·4	10·0
27	1004·6	— 3·7	27·7	22·6	5·1	24·8	+ 1·3	0·7	23·6	+ 4·0	93	+ 14	28·8	20·1	29·9	133	2·2	9·4
28	1007.7	— 0·7	28·3	21·9	6·4	24·7	+ 1·3	0·9	23·2	+ 3·7	91	+ 12	28·1	17·1	4·3	40	4·0	6.4
29	1009·1	+ 0·6	26·5	21·1	5·4	23·9	+ 0·5	1·4	21·5	+ 2·1	86	+ 7	25·4	16·5	6·3	65	4 9	4·4
30	1008 6	0 0	27·2	19·7	7·5	22·9	— 0 4	1·7	19·9	+ 0·6	83	+ 4	23·0	16·1	0·0	...	5·0	2·1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1007·6	+0.1	27·2	21·6	5·6	24·1	0.0	2·1	20 5	+ 0·3	80·5	—1.1%	23·9	18·6	Sun. 90·7	Sum 739	4·3	6·0
Aver.	1007·5	...	27·7	21·1	6·6	24·1	...	2·3	20·2	...	79·4	...	23·4	18·3	113·5	1541	4·2	5·1
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF APRIL 1927.

Apart from a depression beyond 300 miles West of the Island the conditions were characterised by absence of cyclonic activity. Gradients across the South Indian Ocean were maintained between Mauritius and Seychelles throughout the month.

On the whole, pressure was practically normal. Temperature was below normal during the first fifteen days and above during the last. Rainfall conditions at the observatory were poor both in amount and distribution, more than 50% of the total rain for the month fell on the 26th and 27th.

The percentage variations for the different district of the Island were as follows:—

Northern Districts	River System 1,	13% below
Eastern Districts	,, ,, 2, 3, 4,	57% above
South-Eastern Districts	,, ,, 5 & 6	54% below
Western Districts	River System 11	20% above
	,, ,, 12	50% ,,
	,, ,, 13	106% ,,

22nd September, 1927

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1927

Month and Day 1927.	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	6 inches	3 inches	Weather
APRIL	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	c	c	c	c	c	c	
1	10·7	90	− 2·0	+ 3·5	300	4·0	4·1	+ 0·8	25·4	26·9	26·9	27·0	26·0	27·1	b : f : b .
2	10·3	87	− 2·5	+ 3·9	303	4·6	4·7	+ 1·4	25·5	26·6	27·0	26·7	25·7	26·7	b : f : b .
3	8·5	72	− 1·0	+ 3·8	285	3·9	4·0	+ 0·7	25·5	26·9	26·9	26·6	25·7	26·8	b : f .
4	10·7	91	− 0·8	+ 3·2	284	3·3	3·4	+ 0·1	25·6	26·7	26·9	26·6	25·9	27·2	b : f · b .
5	9·6	81	− 0·7	+ 2·2	288	2·3	2·4	− 0·9	25·5	26·6	26·9	27·1	26·3	27·6	f : c : b .
6	9·5	81	− 0·5	+ 2·6	281	2·6	2·7	− 0·6	25·5	26·9	26·9	27·1	26·4	27·6	b : f : b .
7	9·2	78	− 1·4	+ 3·7	291	3·9	4·0	+ 0·7	25·6	26·5	27·0	27·1	26·6	27·1	b : f : b .
8	9·0	77	− 1·5	+ 3·9	291	4·1	4·2	+ 0·9	25·6	26·6	27·0	26·9	26·1	27·0	b : f : c .
9	10·7	92	− 1·9	+ 3·8	297	4·2	4·3	+ 1·0	25·6	26·6	27·0	27·0	26·1	27·2	f : b .
10	10·0	85	− 1·2	+ 3·5	289	3·7	3·7	+ 0·4	25·6	26·6	27·0	27·1	26·1	27·0	b : f .
11	10·3	88	− 1·5	+ 3·4	294	3·7	3·8	+ 0·5	25·5	26·9	27·0	27·0	26·0	26·7	f : cg .
12	10·6	91	− 0·6	+ 4·2	278	4·2	4·4	+ 1·1	25·6	26·5	27·0	26·8	25·9	26·5	c : f : c .
13	9·6	83	− 2·1	+ 4·3	296	4·8	4·8	+ 1·5	25·6	26·5	27·0	26·8	25·6	26·1	c : f .
14	2·9	25	− 0·7	+ 3·2	282	3·3	3·4	+ 0·1	25·5	26·4	27·0	26·6	25·6	26·2	cg .
15	7·6	66	− 1·3	+ 2·4	298	2·7	2·8	− 0·5	25·6	26·4	26·9	26·5	25·7	26·4	c .
16	10·6	91	− 1·3	+ 2·9	294	3·2	3·2	− 0·1	25·8	26·6	26·8	26·6	25·9	26·5	f : c .
17	2·8	24	+ 0·2	+ 3·3	266	3·3	3·4	+ 0·1	25·6	26·4	26·8	26·7	26·0	26·3	og : c .
18	8·5	73	+ 0·3	+ 1·8	260	1·8	1·9	− 1·4	25·9	26·5	26·8	26·7	26·1	26·6	cg : f .
19	8·0	70	+ 0·1	+ 1·8	267	1·8	1·9	− 1·4	25·6	26·4	26·9	26·7	26·6	27·2	cg .
20	7·8	68	− 0·1	+ 1·5	274	1·5	1·6	− 1·7	25·7	26·6	26·9	27·2	26·7	27·3	f : b : c .
21	6·5	57	− 1·1	+ 2·1	298	2·3	2·4	− 0·9	25·7	26·6	27·0	27·3	26·7	27·3	c .
22	7·4	64	− 2·5	+ 4·0	302	4·7	4·8	+ 1·5	25·5	26·4	27·0	27·2	26·7	27·2	og : f : c .
23	0·8	7	− 1·8	+ 4·9	290	5·2	5·3	+ 1·8	25·9	26·3	27·0	26·9	25·9	25·8	f : og .
24	5·8	51	− 1·2	+ 6·3	281	6·4	6·5	+ 3·2	25·8	26.5	26·9	26·2	25·4	25·4	ogq .
25	0·7	6	− 0·1	+ 5·9	271	5·9	5·9	+ 2·6	25·7	26·4	26·8	26·1	25·1	25·3	og .
26	0·2	2	+ 2·2	+ 3·3	236	3·9	4·1	+ 0·8	25·7	26·5	26·7	26·1	25·1	25·2	og : ogr .
27	2·3	20	+ 2·4	+ 0·6	194	2·4	2·8	− 0·5	25·5	26·4	26·6	25·7	25·1	25·7	ogr: cg .
28	7·0	61	+ 0·7	+ 1·1	237	1·3	1·8	− 1·5	25·9	26·3	26·5	26·1	25·9	26·7	c : f .
29	8·7	76	+ 0·3	+ 2·2	262	2·2	2·3	− 1·0	25·7	26·5	26·5	26.5	26 1	26·7	f : c : b .
30	10·0	88	0·0	+ 1·9	270	1·9	2·0	− 1·3	25·9	26·4	26·6	26.5	25·8	26·2	b .
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Mean	7·54	64·8	−0·72	+3·17	282·8	3·40	3·55	+0.25	25·64	26·55	26·89	26·72	25·96	26·63	...
Average	7·68	66·1	−0·97	+2·64	289·1	2·81	3·30	...	25·49	26·94	27·07	26·91	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF APRIL 1927.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1011·5mbs	at	22	on 1st	1003·2mbs	at 15 & 16	on 27th
Temperature of the Air	28·5C	at	13·10	on 19th	19·7C	at 6·50h	on 30th
Daily range of temperature of the Air...	7·9C		...	on 21st	3·4C	...	on 26th
Temperature of the Dew Point	24·8C	at	16	on 27 th	17·3C	at 11h	on 11th
Daily range of temperature of the Dew Point	4·4C	...	...	on 25th	1·4C	...	on 1st
Relative humidity...	100·0%	at	3h	on 27th	56·4%	at 12h	on 13th
Wind Velocity	9·6 m.p.s.	at	11	on 24th	0·6 mps	often	often
Rainfall	46·9 mm	ending	16h	on the 27th	...	...	...
Temperature of the soil at 3 ins. ...	29·1C	at	15	on 21st	24·0C	at 3h	on 27th
, at 6 ins. ...	27·4 C	at	18	on 21st	24·5C	at 3 & 9h	on 27th
Duration of sunshine	10·7 hrs.		...	on 1st, 4th & 9th	0·2hrs.	...	26th
Amount of Evaporation in 24 hours	6·2 mm.		...	on 22nd	2·2 m.m.	...	on 27th
Vapour Tension	31·0 mbs	at	16	on 27th	19·6	at 11h	on 11th
Minimum on Grass	...		...	...	15·3	...	on 16th

Number of Days Overcast, 11, Clear 4, of Rain 18 of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air, 25·45C. Average 25·54 Mean Night Temperature of Air, 22·66C. Average 22·39

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

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

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

APRIL 1927.

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	0094	0109	0095	0084	0081	0074	0068	0075	0092	0098	0097	0077	0100	0080	0088	0079	Midnight
1h	0091	0104	0093	0081	0079	0069	0062	0072	0090	0094	0090	0071	0106	0078	0082	0079	1h
2	0088	0098	0087	0077	0076	0063	0056	0068	0088	0089	0085	0070	0090	0073	0080	0072	2
3	0086	0092	0080	0074	0071	0057	0050	0063	0085	0082	0080	0064	0087	0069	0076	0069	3
4	0087	0090	0079	0074	0070	0056	0053	0065	0084	0080	0079	0063	0085	0064	0070	0066	4
5	0088	0091	0078	0074	0071	0057	0057	0067	0085	0082	0079	0067	0086	0068	0072	0066	5
6	0090	0092	0078	0074	0071	0059	0061	0070	0085	0084	0081	0070	0089	0071	0079	0070	6
7	0094	0094	0087	0075	0073	0060	0065	0075	0093	0088	0085	0078	0091	0076	0081	0071	7
8	0097	0096	0088	0078	0076	0063	0071	0078	0095	0089	0089	0081	0098	0082	0090	0077	8
9	0103	0098	0089	0081	0079	0069	0073	0082	0097	0091	0091	0090	0093	0085	0091	0077	9
10	0102	0095	0089	0077	0078	0071	0074	0084	0099	0090	0091	0089	0091	0085	0091	0076	10
11	0100	0092	0084	0075	0076	0066	0068	0080	0098	0089	0087	0086	0095	0083	0090	0070	11
Noon	0097	0089	0079	0073	0072	0060	0062	0077	0093	0086	0079	0079	0091	0080	0083	0062	Noon
13h	0093	0084	0077	0069	0067	0055	0060	0073	0085	0083	0074	0072	0080	0072	0079	0053	13h
14	0089	0078	0075	0064	0061	0050	0058	0069	0079	0080	0070	0070	0079	0070	0071	0049	14
15	0084	0073	0073	0060	0056	0045	0056	0066	0077	0076	0069	0068	0074	0067	0070	0049	15
16	0087	0077	0072	0062	0055	0048	0057	0068	0080	0078	0069	0070	0076	0072	0070	0050	16
17	0103	0081	0065	0066	0065	0055	0058	0076	0086	0085	0070	0073	0080	0078	0070	0051	17
18	0105	0085	0069	0069	0066	0059	0061	0077	0096	0088	0072	0078	0083	0080	0071	0056	18
19	0108	0089	0075	0071	0070	0064	0064	0082	0098	0093	0072	0082	0090	0086	0080	0061	19
20	0111	0093	0081	0076	0074	0068	0069	0088	0100	0098	0080	0090	0098	0093	0082	0066	20
21	0114	0098	0087	0081	0078	0071	0076	0095	0101	0103	0086	0094	0098	0090	0083	0069	21
22	0115	0099	0087	0080	0080	0070	0077	0096	0101	0104	0084	0095	0096	0091	0084	0068	22
23	0113	0098	0086	0080	0079	0070	0076	0094	0100	0103	0081	0092	0090	0090	0082	0064	23

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

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d	30d	...	Mean	Day / Hour
Midnight	0067	0070	0088	0071	0077	0071	0084	0080	0090	0068	0050	0071	0099	0090	...	1008·2	Midnight
1h	0061	0070	0082	0069	0069	0071	0081	0077	0081	0063	0049	0070	0093	0090	...	1007·9	1h
2	0059	0068	0080	0067	0068	0070	0080	0070	0081	0058	0039	0068	0091	0087	...	1007·5	2
3	0051	0064	0077	0060	0061	0069	0073	0068	0072	0059	0036	0065	0088	0083	...	1007·0	3
4	0050	0061	0073	0060	0059	0068	0070	0069	0069	0052	0035	0065	0089	0081	...	1006·9	4
5	0050	0064	0071	0060	0055	0065	0070	0068	0070	0056	0034	0067	0090	0080	...	1007·0	5
6	0052	0069	0077	0061	0057	0069	0071	0070	0076	0060	0037	0070	0091	0083	...	1007·2	6
7	0059	0070	0081	0069	0060	0078	0077	0077	0085	0063	0039	0076	0100	0087	...	1007·7	7
8	0060	0078	0085	0071	0063	0080	0082	0080	0085	0068	0043	0081	0101	0090	...	1008·0	8
9	0065	0083	0085	0070	0067	0084	0085	0080	0091	0068	0050	0084	0105	0094	...	1008·4	9
10	0063	0083	0083	0070	0065	0085	0086	0087	0093	0070	0056	0084	0101	0096	...	1008·3	10
11	0059	0082	0080	0069	0064	0080	0082	0085	0090	0062	0050	0080	0099	0091	...	1008·0	11
Noon	0053	0076	0073	0060	0060	0077	0076	0080	0080	0060	0040	0071	0090	0083	...	1007·5	Noon
13h	0049	0071	0068	0058	0057	0070	0071	0073	0072	0051	0033	0069	0083	0079	...	1006·9	13h
14	0040	0069	0062	0050	0054	0069	0069	0070	0069	0050	0033	0065	0080	0075	...	1006·6	14
15	0038	0069	0060	0052	0051	0069	0069	0072	0063	0041	0032	0062	0078	0072	...	1006·3	15
16	0039	0070	0060	0059	0051	0069	0070	0072	0060	0040	0032	0067	0077	0072	...	1006·4	16
17	0045	0071	0061	0062	0054	0070	0071	0075	0067	0050	0039	0071	0080	0074	...	1006·8	17
18	0050	0074	0065	0061	0060	0071	0077	0079	0069	0051	0043	0078	0081	0080	...	1007·2	18
19	0056	0080	0069	0069	0063	0076	0080	0084	0070	0057	0054	0082	0089	0084	...	1007·7	19
20	0060	0083	0072	0072	0069	0080	0085	0090	0076	0061	0062	0091	0096	0091	...	1008·2	20
21	0070	0089	0076	0073	0070	0080	0089	0090	0080	0061	0066	0097	0098	0098	...	1008·5	21
22	0070	0090	0077	0079	0074	0083	0090	0091	0077	0058	0067	0099	0095	0098	...	1008·6	22
23	0070	0090	0075	0078	0075	0084	0086	0091	0071	0051	0067	0100	0091	0098	...	1008·4	23

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

APRIL 1927.

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

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

APRIL 1927.

Hour* Ending \ Day.	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	hrs
6h	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	30	15	0	29	17	10	35	31	23	13	30	9	0	0	26	25	0	0	10	31	1	0	0	0	0	0	0	0	0	15	...	5·8
8	52	60	34	00	60	55	60	57	48	50	60	58	49	11	60	60	0	2	35	60	7	0	0	35	0	0	0	7	31	60	...	17·8
9	58	60	59	60	60	60	60	34	60	53	60	60	60	50	60	60	0	4	57	60	49	24	2	13	0	11	0	13	43	60	...	20·8
10	60	60	60	60	60	60	60	60	60	60	60	60	36	30	60	60	18	50	58	60	58	55	7	60	4	0	3	38	13	57	...	23·1
11	60	60	55	60	60	60	60	60	60	60	60	60	60	5	60	60	0	60	58	60	59	46	5	25	0	0	6	50	47	41	...	22·6
Noon	60	51	48	60	60	60	60	60	60	60	60	60	60	3	60	60	0	60	60	60	60	60	20	23	0	1	10	59	60	60	...	23·6
13h	60	52	58	60	60	60	60	60	60	60	60	60	58	20	45	60	0	60	60	60	60	60	0	43	12	0	38	59	60	60	...	24·4
14	60	58	53	60	60	60	60	60	60	60	60	60	54	30	51	60	0	60	60	55	60	60	4	60	13	0	36	58	60	60	...	24·9
15	60	60	55	60	60	60	58	58	60	60	60	60	60	24	29	60	53	60	46	19	34	60	8	48	14	0	23	55	60	60	...	23·7
16	50	59	28	60	58	45	28	21	60	60	60	60	60	2	0	60	38	60	36	0	0	60	0	5	0	0	15	56	60	60	...	18·4
17	60	58	56	60	20	35	10	40	60	56	50	60	60	0	6	60	39	60	0	0	0	20	0	32	0	0	6	26	60	60	...	16·6
18	31	23	3	15	0	5	3	0	34	10	0	27	20	0	0	12	22	32	0	0	0	0	0	3	0	0	0	0	30	5	...	4·6
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	0·0

The total amount of registered sunshine was 226·3 hours and the total possible sunshine 348·3 hours.

* Reckoned from apparent midnight.

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

(To obtain temperatures on the Absolute Scale add 273)

APRIL 1927

Day / Hour	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day / Hour
Midnight	22·9	1·8	21·0	1·1	22·8	1·6	22·3	1·0	22·7	1·4	22·4	1·2	21·9	1·6	22·3	1·3	Midnight
1h	22·4	1·4	21·2	1·1	22·7	1·7	22·6	1·3	22·7	2·0	22·3	1·1	21·9	1·7	22·3	1·3	1h
2	22·0	1·4	21·6	1·5	22·7	1·5	22·6	1·6	23·0	1·0	22·0	0·8	21·6	1·6	22·2	1·2	2
3	21·8	1·2	21·2	1·2	22·4	1·6	22·6	1·2	23·0	1·1	22·0	0·9	21·0	1·3	22·4	1·4	3
4	21·9	1·6	21·0	1·3	22·0	0·7	22·3	1·0	22·6	0·9	21·4	0·6	21·0	1·3	22·2	1·5	4
5	21·1	1·1	21·7	1·4	22·0	0·8	22·1	1·0	22·4	1·0	21·6	0·9	21·1	1·5	22·3	1·5	5
6	21·1	1·3	21·7	1·5	22·2	0·8	22·0	1·0	22·3	1·1	21·8	0·8	21·0	1·7	22·3	1·5	6
7	22·2	1·8	22·0	1·7	22·3	0·8	22·7	1·4	22·5	1·3	22·5	1·2	21·4	1·7	23·0	2·0	7
8	24·0	2·5	24·7	2·9	23·9	1·8	25·2	2·5	25·2	2·4	25·3	2·4	24·5	3·3	24·7	3·0	8
9	25·3	3·2	26·0	4·0	25·8	3·0	25·2	2·6	26·5	3·6	26·1	3·1	25·7	4·3	25·8	3·5	9
10	26·3	3·7	26·5	4·3	25·7	3·2	26·6	3·7	26·9	3·9	26·5	3·5	26·0	4·6	26·3	3·4	10
11	26·7	4·3	26·4	3·7	26·0	3·4	26·9	4·0	27·0	3·6	26·7	3·5	26·3	4·8	26·9	4·4	11
Noon	27·0	4·7	26·1	4·1	24·9	2·2	26·9	3·9	27·0	3·4	27·1	3·8	26·7	4·9	27·1	4·0	Noon
13h	26·9	4·4	26·3	4·5	25·7	2·7	27·3	3·7	27·2	3·3	27·0	3·7	26·5	4·8	26·9	3·2	13h
14	26·8	4·4	26·7	4·6	25·7	3·1	27·0	4·8	27·1	3·6	27·1	4·3	26·4	4·6	27·2	4·2	14
15	26·7	4·6	26·3	4·5	26·2	3·5	26·9	4·2	27·0	4·0	27·0	4·2	26·0	4·1	27·0	4·3	15
16	26·5	4·6	25·9	3·9	25·5	3·4	26·0	3·3	26·4	2·9	26·2	3·7	25·0	3·7	25·5	2·8	16
17	24·9	3·3	25·4	3·7	25·3	3·0	25·6	2·9	25·3	3·3	26·4	3·9	24·9	3·5	25·4	2·5	17
18	33·9	2·5	24·0	2·7	24·1	2·1	24·6	2·3	24·5	2·4	24·5	2·3	24·0	2·9	24·4	2·0	18
19	23·0	2·0	23·2	2·0	23·0	1·7	23·3	1·6	23·3	1·3	23·4	1·5	23·3	2·4	23·9	1·8	19
20	22·5	1·9	22·9	1·9	22·6	1·3	22·6	1·2	22·8	1·1	22·9	1·6	23·0	2·1	23·9	1·8	20
21	22·0	1·9	22·9	1·7	22·9	1·2	22·4	1·2	23·0	1·1	22·9	1·7	23·0	2·0	23·6	1·5	21
22	21·7	1·6	22·8	1·8	22·6	1·1	22·7	1·0	22·7	0·9	22·3	1·4	22·7	1·8	23·7	1·7	22
23	21·3	1·3	22·9	1·6	22·6	1·4	22·6	1·3	22·6	0·9	22·0	1·4	22·6	1·7	23·4	1·4	23

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

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

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

APRIL 1927

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	22·5	0·7	23·1	0·8	22·7	0·8	22·9	0·9	22·0	1·0	24·0	1·8	22.8	2·8	23·3	2·0	Midnight
1h	22·9	0·[illegible]	23·4	0·5	23·0	1·0	22·4	0·7	21·5	1·1	24·0	1·9	22.8	3·1	22·4	1·2	1h
2	23·0	0·7	23·7	0·8	23·1	0·6	22·6	0·9	20·5	0·9	23.6	1·7	22.3	2·6	22·5	0·9	2
3	23·1	0·8	23·7	0·7	23·3	0·4	22·7	0·8	20·5	0·8	23·4	1·4	22.2	2·5	22·1	0·8	3
4	22·4	0·4	23·0	0·5	23·2	0·4	22·0	0·6	20·7	0·7	23·3	1·6	22.0	2·3	22·5	1·3	4
5	22·9	0·6	22·7	0·6	23·0	0·7	21·9	0·8	20·4	0·6	23·5	1.9	22.0	2·4	22·4	1·4	5
6	22·7	0.5	22·1	0·6	22·9	0·6	21·4	0·7	20·4	0·5	23·8	2·0	22.4	2·5	22·3	1·3	6
7	22·6	0·5	23·2	0·7	23·3	0·6	22·0	1·0	21·0	0·7	23·7	1·8	22.6	2·2	22·3	1·3	7
8	23.1	0·4	24·6	0·8	25·0	1·0	24·9	2·3	23·0	1·0	24·3	2·1	23.3	2·5	22·8	1·5	8
9	23.9	1·0	25·3	1·1	26·0	2·0	26·0	3·1	25·6	2·6	25·2	2·7	24.3	2·8	24·0	2·4	9
10	24·9	1·9	26·5	2·3	26·6	1·9	26·5	3·6	26·2	3·3	26·2	3·5	26.2	4·1	25·9	3·5	10
11	24·7	1·6	27·3	2·6	26·5	2·5	26·9	3·8	27·0	4·0	26·8	4·3	25.4	2·7	25·5	3·4	11
Noon	25·0	1·9	27·5	3·1	27·4	2·7	27·0	4·4	27·8	4·4	27·3	4·4	26.3	4·2	26·0	3·7	Noon
13	24·4	0·7	27·7	3·4	27·4	2·3	27·1	4·2	28·0	4·5	27·1	4·1	25.5	4·1	26·3	4·2	13h
14	25.0	1·6	27·2	2·7	27·9	3·0	27·0	3.5	27·5	4·0	26·9	4·2	25.9	4·3	25·9	2·9	14
15	25·8	2·0	27·2	2·9	27·6	3·5	26·5	3.4	27·2	3·2	26·4	4·3	25.1	3·7	25·5	3·3	15
16	25·3	1·6	26·6	2·6	26·9	2·9	25·6	3·0	26·0	3·1	25·6	2·6	24.1	3·0	25·0	2·9	16
17	25.3	1·6	26·0	2·4	25·9	2·5	25·1	2.5	25·0	2·7	24·2	2·7	24.0	2·9	24·5	3·0	17
18	25·0	1·4	25·0	1·3	25·2	1·8	25·0	2·3	24·4	2·2	23·9	2·7	23.5	2·8	23·7	2·5	18
19	24·2	1·0	25·2	1·9	24·5	1·4	24·4	2·2	24·2	2·2	23·3	2·3	23.3	2·7	23·7	2·6	19
20	24·0	0·7	25·0	1·9	23·9	0.9	23·8	1·4	24·0	2·1	23·3	2·3	23.3	2·6	23·0	2·0	20
21	24·1	0·8	25·6	2·8	24·0	0·9	23·3	1·1	23·9	2·1	23·0	2·5	23.3	2·7	23·2	2·3	21
22	24·1	0·8	25·4	2·5	23·7	0.9	22·4	0·5	23·4	1·5	23·0	2·7	23.3	2·4	23·1	2·7	22
33	24·0	0·6	23·0	0·7	23·3	0·6	22·3	0·5	23·7	1·5	22·7	2·4	23.4	2·4	23·0	2·8	23

Day / Hour.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	... ...	... ...	Mean Air.	Mean Excess of Air over Evap.	Day / Hour.
Midnight	23·1	2·8	23·2	0·7	23·4	0·4	22·7	0·6	23·7	0·7	21·1	0·4	...	...	22·6	1·3	Midnight
1h	23·2	2·2	22·9	0·3	23·3	0·3	22·9	0·6	23·5	0·5	20·9	0·6	...	...	22·5	1·2	1h
2	23·5	2·3	23·2	1·0	23·4	0·4	23·0	0·3	23·0	0·5	20·5	0·4	...	...	22·4	1·1	2
3	23·4	2·3	23·0	1·4	22·7	0·0	23·0	0·3	23·3	0·4	20·2	0·4	...	...	22·4	1·1	3
4	23·2	2·1	23·9	1·9	23·7	0·5	22·7	0·3	23·1	0·6	19·8	0·4	...	...	22·2	1·1	4
5	23·1	2·1	23·7	1·5	24·0	0·3	22·4	0·4	23·1	0·3	20·0	0·5	...	...	22·1	1·1	5
6	23·4	2·4	23·4	1·2	24·1	0·2	22·1	0·1	23·0	0·6	19·9	0·5	...	...	22·1	1·2	6
7	23·4	2·3	23·8	1·4	24·1	0·5	22·1	0·4	23·0	0·4	19·9	0·7	..	...	22·5	1·4	7
8	24·0	2·7	23·9	1·2	24·2	0·7	23·5	0·5	24·2	0·5	23·6	1·6	...	...	24·3	2·0	8
9	24·5	2·8	25·1	2·4	24·6	0·6	24·7	0·5	25·0	1·2	25·2	2·4	...	...	25·3	2·7	9
10	24·8	3·3	25·3	2·3	25·2	0·7	25·7	1·0	25·0	1·6	25·7	2·8	...	...	26·0	3·3	10
11	25·4	3·5	25·9	2·5	26·0	0·9	26·7	1·5	25·5	2·4	25·5	3·1	...	...	26·2	3·4	11
Noon	25·5	3·3	25·6	2·6	26·5	1·3	27·7	2·1	26·0	2·8	26·5	3·6	...	...	26.6	3·6	Noon
13h	25·2	2·9	25·5	2·6	27·7	2·0	27·8	2·3	26·2	3·7	27·2	4·3	...	...	26·7	3·7	13h
14	25·7	3·3	24·3	1·0	27·0	1·5	27·8	2·3	26·4	3·4	26·2	3·3	...	...	26·5	3·5	14
15	25·1	3·1	24·4	1·1	27·0	1·5	27·5	1·8	25·8	3·1	25·6	3·7	...	...	26·3	3·5	15
16	25·0	2·9	24·9	1·0	26·5	1·0	27·7	2·3	25·3	2·9	25·1	3·3	...	..	25·7	3·1	16
17	24·7	2·5	23·3	0·6	25·6	0·7	26·9	1·7	24·7	2·3	24·3	2·6	...	...	25·1	2·7	17
18	24·0	1·8	23·9	0·5	25·3	0.6	25·0	0·8	24·0	1·8	23·3	1·6	...	...	24·2	2·0	18
19	24·0	1·9	23·2	0·4	24·7	0·1	24·3	0·9	23·0	1·0	23·0	1·4	...	...	23·6	1·7	19
20	23·0	1·0	23·7	0·6	24·9	0·6	23·8	0·6	22.6	0·8	22·3	1·1	...	...	23·2	1·4	20
21	23·2	0·6	23·6	0·6	24·6	0·6	23·8	0·6	22·0	0·7	22·2	1·5	...	...	23·2	1·5	21
22	22·9	0·4	23·6	0·6	24·1	0·4	24·0	0·3	21·9	0·8	21·4	0·8	...	...	23·0	1·4	22
23	23·3	0·4	23·4	0·4	23·0	0·5	23·9	0·5	21·9	0·9	20·7	0·7	...	...	22·7	1·2	23

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

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

APRIL 1927.

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	923	892	908	885	938	889	928	889	927	892	918	890	925	886	934	Midnight
1h	883	926	892	908	883	941	890	925	895	912	897	906	892	919	889	928	1h
2	886	921	882	918	886	936	886	936	890	915	889	926	889	928	890	923	2
3	883	926	887	913	888	930	887	934	889	916	893	917	890	924	886	921	3
4	884	924	887	919	892	939	891	922	889	917	894	915	889	928	885	937	4
5	888	918	885	923	900	936	888	930	890	915	895	912	885	923	888	931	5
6	886	922	887	920	900	931	890	924	892	920	894	915	893	916	887	932	6
7	881	928	874	926	896	918	889	929	892	918	893	916	891	921	889	926	7
8	879	931	872	942	894	927	885	938	891	922	890	924	882	944	882	945	8
9	887	933	870	945	888	959	890	949	900	935	893	936	890	951	883	943	9
10	877	955	864	954	891	946	900	948	892	939	892	937	889	955	878	954	10
11	873	966	855	967	878	952	887	962	908	938	900	944	887	964	878	953	11
Noon	883	943	875	938	900	953	891	942	906	928	906	930	879	951	889	954	Noon
13h	873	965	854	969	888	959	900	950	900	933	906	930	879	950	877	956	13h
14	875	959	863	957	875	959	900	955	900	938	914	936	881	946	875	960	14
15	874	963	858	963	880	948	900	935	887	932	909	943	879	950	875	959	15
16	866	951	856	966	889	952	900	939	889	929	893	932	891	945	891	945	16
17	872	942	868	948	889	952	900	934	882	927	888	931	882	943	889	952	17
18	876	936	874	940	892	940	897	914	887	920	891	921	886	934	892	939	18
19	874	940	882	943	893	916	896	919	890	915	892	920	881	929	886	934	19
20	880	930	886	936	891	922	897	908	891	912	893	917	887	932	886	935	20
21	873	927	876	936	892	919	894	914	893	910	890	924	884	939	887	919	21
22	887	913	883	943	892	919	884	916	891	912	890	925	886	934	879	931	22
23	894	906	882	944	889	929	882	918	892	910	886	936	885	937	887	934	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	883	926	890	915	888	931	886	914	889	928	885	937	886	921	889	917	Midnight
1h	888	930	888	919	881	929	881	919	881	928	883	941	887	920	888	919	1h
2	886	934	888	919	878	933	914	934	887	920	887	933	890	915	886	921	2
3	883	926	888	919	885	937	887	920	876	936	885	937	890	915	886	922	3
4	876	936	891	912	886	935	893	935	890	924	889	928	887	920	883	917	4
5	878	933	889	917	884	940	893	934	888	931	884	940	886	921	889	911	5
6	876	936	886	921	882	927	900	945	869	931	891	921	885	923	889	911	6
7	875	938	890	914	886	921	900	938	883	941	894	930	891	922	888	912	7
8	867	950	882	927	883	926	900	943	867	950	894	927	892	920	872	928	8
9	871	944	876	936	870	945	900	973	867	950	907	934	886	936	884	940	9
10	875	960	890	951	880	949	900	957	875	960	900	943	884	940	884	939	10
11	878	954	889	954	877	956	888	960	872	968	881	947	884	940	882	945	11
Noon	874	964	890	947	888	959	891	942	879	950	906	928	885	937	886	934	Noon
13h	876	957	890	949	900	954	900	965	874	963	910	948	886	935	882	944	13h
14	879	951	900	948	900	941	900	968	874	964	907	933	883	943	882	944	14
15	873	965	900	950	891	943	889	956	875	961	909	943	886	935	893	935	15
16	877	955	900	941	891	945	888	958	878	953	886	922	889	928	886	935	16
17	885	937	890	951	885	937	888	959	878	954	882	918	887	919	891	943	17
18	888	931	880	949	878	922	892	939	884	940	900	929	887	920	887	932	18
19	891	921	887	934	886	914	895	924	887	934	900	928	887	919	889	927	19
20	892	919	883	942	875	925	891	944	887	932	896	921	887	920	889	928	20
21	893	915	884	939	890	915	892	939	878	932	886	934	887	913	890	925	21
22	894	915	885	937	890	915	888	930	891	921	885	924	889	911	890	925	22
23	887	920	888	930	888	918	889	926	881	946	885	937	888	912	893	933	23

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

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

APRIL 1927.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	894	929	909	909	898	909	895	912	900	916	887	934	884	939	909	945	Midnight
1h	890	924	906	913	896	918	894	914	900	915	890	925	884	939	900	952	1h
2	889	926	907	915	898	911	894	914	897	915	894	914	885	937	890	949	2
3	886	936	905	911	898	911	895	912	897	916	897	907	890	951	888	959	3
4	893	934	902	906	898	911	893	915	898	912	890	923	892	940	900	953	4
5	893	935	900	911	898	911	893	915	896	918	889	929	891	943	900	957	5
6	893	930	896	909	897	914	895	911	895	911	889	928	892	941	889	956	6
7	893	944	894	914	898	911	895	911	898	906	891	912	879	950	887	962	7
8	907	934	895	912	897	916	893	917	893	916	885	938	888	960	889	955	8
9	900	957	900	921	905	924	889	916	888	931	877	956	877	956	900	972	9
10	900	955	911	926	909	922	896	919	884	939	861	958	882	945	885	977	10
11	900	950	910	925	905	923	900	923	884	940	864	954	875	961	900	996	11
Noon	912	960	912	919	911	926	900	926	887	934	856	967	869	976	900	975	Noon
13h	909	943	908	920	914	921	906	931	887	933	863	957	876	958	883	986	13h
14	915	938	912	930	919	928	905	923	888	931	867	979	871	970	884	979	14
15	923	935	906	927	906	927	908	920	891	907	860	960	874	964	885	975	15
16	945	937	906	930	900	920	907	917	884	924	864	954	881	947	888	958	16
17	906	932	905	924	900	918	905	911	887	920	859	941	879	950	887	964	17
18	904	918	903	915	900	915	904	909	882	918	864	936	881	947	878	954	18
19	902	912	904	918	900	918	900	912	880	920	869	931	882	944	878	952	19
20	902	912	900	918	900	926	900	909	884	916	868	932	887	934	874	963	20
21	905	923	900	918	898	912	900	907	887	913	861	939	883	943	876	958	21
22	900	916	896	921	897	913	900	913	881	919	877	935	883	942	875	959	22
23	900	913	894	915	890	923	898	911	880	920	872	941	883	943	875	959	23

Day. / Hour	25d.		26d.		27d.		28d		29d.		30d.		...		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	...	...	N.	E.	
Midnight	890	950	917	943	915	910	889	892	900	918	896	918	...	...	893	924	Midnight
1h	891	944	916	940	909	907	890	904	900	914	897	916	...	...	892	923	1h
2	889	956	920	948	910	908	890	904	900	912	897	915	...	...	892	925	2
3	889	954	916	939	933	913	894	902	900	912	898	911	...	...	892	924	3
4	889	953	918	945	927	918	890	902	900	915	898	911	..	...	893	925	4
5	886	967	917	941	924	924	891	902	900	910	896	918	...	...	893	927	5
6	900	954	912	930	929	911	892	902	900	917	897	913	...	...	893	924	6
7	900	956	913	934	911	905	892	908	900	910	897	916	...	...	892	925	7
8	900	965	917	942	930	912	892	908	900	919	895	922	...	...	891	932	8
9	900	971	921	951	929	906	898	910	900	929	890	925	...	...	891	941	9
10	913	962	920	949	938	915	916	911	900	941	900	927	...	...	893	944	10
11	912	958	924	958	954	922	926	911	914	934	910	925	...	...	893	948	11
Noon	900	980	920	948	942	900	944	918	917	942	906	931	...	...	897	943	Noon
13h	900	965	917	941	947	900	934	923	914	934	907	934	...	...	895	946	13
14	900	969	936	936	951	900	934	923	914	936	912	930	...	...	897	946	13
15	900	975	917	926	943	900	916	916	914	934	906	929	...	...	894	943	14
16	900	961	934	923	935	907	929	919	912	930	900	929	...	...	894	938	15
17	900	965	946	919	942	909	922	914	911	928	900	923	...	...	894	935	16
18	900	961	935	914	921	904	903	917	900	918	900	916	...	...	892	928	17
19	900	960	926	917	912	902	902	912	900	911	900	909	...	..	892	925	18
20	900	941	926	917	906	901	902	910	897	913	900	911	...	...	892	924	19
21	900	960	920	920	906	901	902	911	898	912	900	911	...	...	891	924	20
22	900	952	909	913	888	891	902	908	896	921	900	913	...	...	890	923	21
23	907	939	922	922	892	892	903	914	895	923	900	912	...	...	890	925	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during APRIL 1927.

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

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

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

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for APRIL 1927.

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	...
	mm	mm	mm	mm	mm.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	...	...	0·1	...	0·9	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	0·1	4·8	0.2	...	...	...	...	0·1	...	...	5·0	...	0·2	...	...
4	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	...	...	...	...	...	...	...	...	...	18·4	...	0·1	...	...
5	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	4.4	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	0·2	...	0·3	...	0 3	...	...	...	...	...	...	...	...	0·1	0·1	...	...
7	0.5	...	0·2	...	...	...	...	...	...	...	...	...	...	...	0 1	...	5·0	...	...	...	...	...	...	0·2	...	...	0·2	...	1.5	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	...	1.5	0·2	...	...	...	...	...	...	...	...	0·2	0·1	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0 1	...	...	...	...	...	0·1	0·1	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	...	...	...	...
11	...	...	...	0·1	...	...	...	...	...	...	0·1	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...
Noon	...	...	0·7	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	2·1	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	7·4	2·0	...	...	...	...
18	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	0·4	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	0·1	...	...	...	...	...	...	...	3·2	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·8	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·6	...	2.4	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	1·0	...	...	...	...	...	...	...	...	0·2	4.4	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	0 7	...	0·1	1·0	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART for the MONTH of APRIL 1927.

River System.	Register Number	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	4·35	110·5	124·2	9
	3	Belmont	50	5·00	127·0	126·5	9
	4	Poudre d'Or	20	4·92	125·0	121·2	9
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	6·21	157·7	187·7	19
	10	Mont Piton	360	5.42	137·7	188·2	16
	11	Mon Choix	700	4.90	124·4	170·7	14
	12	Antoinette	640	7·95	201·9	183·1	13
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	8·25	209·5	201·4	16
	15	Mon Songe	179	7·73	196·3	194·1	13
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	3·93	99·8	142·5	13
	19	The Observatory ...	179	3·57	90·7	116·3	18
	20	Solitude§	175	...	...	...	...
	21	St André	90	2·86	72·6	125.7	8
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ .	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E.§ ...	600	...	...	...	..
	2	Constance d'Arifat L.G.	100	7·33	186·2	166·9	8
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	11·01	279·6	214·9	17
	5	Constance (Manès)§ ...	..	...	...	...	..
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	8·92	226·6	...	11
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	..	...	...	...
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	16,22	412 0	176·3	14
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	15.75	400·0	...	25
5	1	Rose Belle§	850	..	...	...	...
	2	Riche-en-Eau§	460	...	..	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	..	...	...	...
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	...	...	...	...
	2	Tivoli*	1,300	8·27	210·1	...	21
	3	La Flora*	1,050	5·99	152·1	...	18
	4	Britannia§	730	5·23	132·8	288·8	19
	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	7·58	192·5	...	21
	10	Terracine§	1000	...	...	...	...
	11	St. Félix S·E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	3·81	96·8	...	15
	15	Fontenelle*	...	5·08	129·0	...	8
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre§	40	1·9	40 4	1 91·0	12
	3	Beau Champ§	...	1·31	33·3	...	6
	4	Board§	...	2 03	51·6	...	10
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	9·35	237·5	274·8	28
	3	Mare aux Vacoas ...	1,850	15·74	399·8	337·3	23
	4	La Marie Filter Bed ...	1,700	8·05	204·5	177·0	21
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse§	850	...	...	...	...
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands§	1,300	...	...	...	...
	7	Trianon	950	7·26	184·4	134·9	12
	8	Salency§	923	...	...	...	...
	9	La Ferme*	950	4·98	126·5	...	10
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,000	8·26	209·8	125·5	22
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	..	..	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or	...	12·58	319·5	...	14
	17	Mon Repos§	...	...	..	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	5 18	131·5	...	4

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of APRIL 1927

Day \ Type	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. st. &c. Dir.	Cumulus Cu. st. &c. Vel./Height	Alto cu: Alto st: Dir.	Alto cu: Alto st: Vel./Height	Cirro Cumulu Dir.	Cirro Cumulu Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height	Time	Scud Dir.	Scud Vel./Height	Cum: Cu. st. &c. Dir.	Cum: Cu. st. &c. Vel./Height	Alto Cum Alto St: Dir.	Alto Cum Alto St: Vel./Height	Cirro Cum Dir.	Cirro Cum Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
	h		°		°		°		°		°			h		°		°		°		°				°
1	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	...	...	300	7·3	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	13¼	...	...	315	14·3	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	9¼	...	...	300	60	...	...	...	...	...	...	90	1·5	14½	...	...	315	9·7	300	1·4	...	...	...	...	90	1·6
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	10	...	...	270	3·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	9¾	...	...	270	9·6	...	...	...	...	...	...	60	0·7	12½	...	...	285	12·8	...	...	...	...	...	...	60	1·5
8	...	...	...	...	...	...	...	...	...	...	...	...	...	12¾	...	...	285	16·6	...	...	...	...	...	...	120	0·9
9	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	...	...	300	16·7	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	14	...	...	240	5·0	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	...	300	8·4	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	...	...	270	14·5	...	...	...	...	...	...	120	1·5
13	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	...	285	16·1	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	11¾	...	...	270	8·0	...	...	·90	1·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	9¼	...	...	255	115	150	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	...	...	*300	8·1	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	12¾	...	...	300	14·1	...	...	...	...	150	3·4	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* From the Observatory Pamplemousses.

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

MAY 1927

M. OLIVIER,

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

PORT LOUIS
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1927.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of MAY 1927.

Month and Day. 1927	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.) +10−5*	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
	° ′				Unit 1 γ	
1	11 31·2	·22815	26	4·2	38	25
2	31·5	815	33	5·0	31	22
3	31·6	797	33	7·2	73	29
4	31·1	790	36	5·8	51	13
5	29·6	755	41	7·2	141	23
6	31·1	776	35	9·6	40	39
7	31·0	773	39	10·0	126	26
8	31·4	779	40	7·2	56	21
9	31·2	783	37	6·8	27	16
10	31·7	795	35	7·6	40	21
11	31.4	804	34	7·0	26	15
12	31·0	807	31	7·6	14	28
13	31·1	807	34	5·2	28	14
14	31·2	805	34	5·4	20	18
15	30.8	797	34	5·8	65	18
16	31·2	789	36	6·0	39	17
17	31·6	797	34	4·2	46	20
18	31·3	800	33	6·2	29	25
19	31·5	794	32	5·8	62	22
20	31·6	790	35	4·6	107	20
21	31·1	795	38	4·8	39	9
22	31·4	794	35	5·8	41	18
23	31·7	798	35	8·4	24	26
24	31·9	800	33	7·8	30	22
25	31·3	790	28	7·0	20	29
26	31·8	805	29	4·4	29	23
27	31·5	812	28	5·2	52	25
28	31·2	803	29	3·6	69	22
29	32·1	793	34	4·2	69	15
30	32·0	799	30	6·2	29	33
31	31·5	793	28	5·0	39	24
Mean	11·31·37	·22795	33·5	6·15	48·4	21·8

Description of the Principal Magnetic Disturbance

The 1st an increase in H started at 00.30 and lasted until 01·00 of about 16γ with a repetition starting about 23.20. The first disturbance had no obvious effect on D but the repetition was accompanied by a small irregularity in the D trace. The 3rd was rather disturbed.
The 5th was the most disturbed day of the month. H decreased about 140γ between 8 and 14 hours.
The 7th a disturbance bearing a considerable resemblance to that of the 5th with a decrease of about 110γ between 16 and 19 hours.
After the 7th the month was generally quiet with the exception of the 15th and 20th.
Starting at 23.30 on the 29th and lasting for about an hour there were small regular pulsations in the V trace of about 2 minutes period. They were just discernible between 8 and 9 hours on the 30th.

Γ=* : Mean Dip=θ=* (X=·22335: Y=−·04555 :Z=*).
† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of MAY 1927

Declination (West)		Horizontal Force (C.G.S. Unit)		Dip (South). A.M. Observations		Resulting Vertical Force. C.G.S. Units.	P.M. Observations.		Resulting Vertical Force Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	′		d h m	° ′	
MAY. 9· 9·28	11.34·51	MAY 9·11·40	·22798	MAY. 9 9·13	52.21·43		MAY. ...	...	...
16·14.35	11.27·36	20·14·22	·22808	25.15.20	52.30·68		...	...	...
25· 9.36	11.24·68			31·10·14	52·23·00		...		...
31.11·06	11.30·65								

* See note at foot of Table V.

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

MAY 1927.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	11° +																
Midnight	31'.3	31'.0	31'.0	32'.0	30'.6	32'.0	31'.8	31'.6	32'.0	32'.0	31'.8	31'.8	31'.6	31'.8	31'.6	31'.0	Midnight
1h	31'.3	31'.2	31'.4	31'.4	32'.0	31'.8	31'.8	32'.4	31'.8	32'.0	32'.0	31'.8	31'.6	31'.8	31'.6	31'.2	1h
2	31'.6	31'.2	31'.8	31'.4	30'.4	29'.8	31'.6	33'.0	31'.6	31'.8	32'.0	32'.0	31'.6	32'.0	31'.6	31'.8	2
3	31'.6	31'.4	32'.0	31'.2	30'.4	30'.2	31'.6	32'.0	31'.6	32'.0	32'.0	32'.2	31'.8	31'.8	31'.6	32'.0	3
4	31'.7	31'.6	32'.6	30'.4	31'.8	31'.0	31'.0	32'.0	31'.8	30'.4	32'.2	32'.2	31'.8	31'.8	31'.6	32'.0	4
5	31'.8	31'.6	32'.2	31'.0	29'.6	31'.8	31'.6	31'.0	28'.4	31'.4	32'.2	32'.2	31'.4	31'.8	31'.0	32'.0	5
6	31'.8	31'.2	32'.4	31'.0	26'.2	32'.0	31'.8	30'.2	30'.0	31'.4	32'.0	32'.0	31'.0	31'.2	30'.4	32'.0	6
7	31'.2	31'.0	33'.0	31'.2	26'.0	32'.6	32'.2	29'.6	30'.4	32'.0	31'.8	32'.0	30'.2	31'.2	30'.0	30'.4	7
8	31'.6	31'.4	35'.0	31'.2	26'.4	34'.4	34'.0	30'.6	32'.0	32'.6	32'.6	33'.0	32'.0	32'.2	30'.0	31'.2	8
9	33'.0	34'.2	35'.2	33'.4	30'.0	36'.0	36'.0	35'.0	34'.2	35'.4	34'.0	34'.0	33'.6	33'.4	32'.4	33'.2	9
10	33'.0	34'.8	34'.0	33'.8	31'.0	36'.0	35'.4	35'.0	35'.2	36'.0	34'.0	34'.0	33'.6	33'.2	33'.6	33'.8	10
11	33'.4	33'.5	31'.2	32'.0	30'.0	34'.0	33'.6	33'.8	33'.0	34'.4	33'.0	33'.0	32'.4	32'.0	33'.0	33'.6	11
Noon	32'.2	31'.8	30'.0	31'.0	30'.0	31'.4	30'.4	31'.0	31'.0	32'.4	32'.0	30'.2	31'.0	30'.4	31'.0	32'.0	Noon
13h	30'.0	30'.4	28'.0	30'.0	28'.0	28'.6	28'.4	29'.0	30'.0	31'.4	30'.4	28'.2	30'.4	29'.4	29'.2	29'.4	13h
14	30'.0	29'.8	28'.0	28'.0	27'.4	27'.0	28'.0	28'.4	30'.0	30'.0	28'.8	27'.8	30'.0	29'.0	27'.8	27'.8	14
15	29'.2	29'.8	28'.0	28'.2	25'.0	26'.4	28'.2	27'.8	29'.0	28'.4	28'.0	26'.4	28'.4	28'.0	27'.8	28'.0	15
16	29'.4	29'.8	28'.0	28'.4	27'.0	27'.0	27'.8	29'.0	29'.0	28'.4	27'.0	27'.0	28'.4	29'.2	28'.0	29'.0	16
17	29'.4	30'.0	29'.8	30'.4	28'.6	28'.2	27'.8	30'.2	29'.6	29'.6	28'.4	28'.8	29'.6	30'.0	30'.2	30'.4	17
18	30'.0	31'.4	31'.2	31'.8	30'.0	30'.0	26'.0	31'.0	30'.4	30'.6	30'.4	30'.0	30'.2	31'.0	30'.2	31'.0	18
19	31'.0	32'.0	32'.8	31'.6	31'.0	30'.8	30'.0	31'.8	31'.0	31'.4	31'.2	30'.6	30'.4	31'.4	31'.2	31'.4	19
20	31'.2	32'.0	32'.2	32'.0	31'.6	31'.2	31'.4	31'.8	31'.6	31'.4	31'.4	30'.8	30'.8	31'.8	31'.6	31'.0	20
21	31'.3	32'.0	32'.5	31'.8	32'.0	31'.2	31'.4	32'.4	31'.8	31'.8	31'.8	31'.2	31'.2	31'.8	31'.4	31'.6	21
22	31'.0	31'.8	33'.0	32'.0	32'.0	31'.2	31'.4	32'.0	32'.4	32'.0	31'.8	31'.2	31'.4	31'.8	31'.4	31'.4	22
23	31'.6	31'.8	32'.4	31'.4	32'.2	31'.6	31'.4	32'.0	32'.0	31'.8	31'.8	31'.4	31'.6	31'.8	31'.8	31'.8	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
	11° +																
Midnight	31'.8	32'.0	31'.2	32'.2	32'.0	31'.8	31'.2	31'.0	32'.0	32'.0	32'.0	32'.2	32'.8	32'.0	32'.0	31'.7	Midnight
1h	31'.6	32'.0	31'.2	31'.8	32'.0	31'.6	31'.4	31'.2	31'.8	32'.0	32'.0	32'.2	33'.4	32'.0	32'.0	31'.8	1h
2	32'.0	32'.0	31'.4	31'.8	31'.6	31'.4	31'.6	31'.2	31'.6	32'.0	31'.8	32'.4	32'.8	31'.8	31'.8	31'.7	2
3	31'.8	32'.0	31'.6	31'.8	31'.0	31'.4	31'.6	31'.4	31'.6	31'.8	31'.8	32'.4	32'.4	32'.2	31'.8	31'.7	3
4	32'.0	32'.0	32'.0	31'.8	30'.0	30'.8	31'.6	31'.4	31'.2	31'.6	31'.8	32'.4	32'.0	32'.0	31'.8	31'.6	4
5	31'.8	32'.0	32'.0	31'.8	30'.0	31'.4	31'.4	31'.6	31'.4	31'.6	31'.6	32'.2	31'.6	32'.0	32'.0	31'.5	5
6	31'.4	32'.0	32'.2	31'.2	29'.6	31'.0	31'.6	31'.2	31'.6	31'.4	31'.2	32'.0	31'.8	31'.8	32'.0	31'.2	6
7	31'.4	31'.8	31'.8	30'.0	28'.2	28'.4	30'.4	30'.0	31'.8	31'.4	31'.0	30'.4	30'.0	30'.0	31'.2	30'.7	7
8	32'.2	32'.4	32'.2	30'.2	28'.4	30'.0	31'.6	32'.0	32'.2	32'.2	32'.0	30'.6	30'.2	30'.2	31'.4	31'.5	8
9	32'.8	34'.4	34'.4	31'.2	31'.0	32'.2	34'.4	35'.0	34'.0	33'.2	33'.8	33'.0	32'.4	32'.4	32'.2	33'.5	9
10	34'.0	34'.4	34'.4	32'.2	32'.2	32'.4	36'.0	36'.2	34'.0	33'.2	33'.6	34'.0	33'.8	33'.6	33'.0	34'.0	10
11	33'.0	33'.6	33'.0	32'.0	33'.0	32'.8	35'.8	35'.8	32'.4	33'.4	33'.0	34'.0	34'.2	34'.0	32'.8	33'.2	11
Noon	32'.2	30'.2	30'.8	31'.8	32'.2	34'.0	34'.2	34'.0	31'.6	33'.2	31'.4	33'.0	34'.0	34'.0	31'.8	31'.8	Noon
13h	30'.8	28'.4	29'.8	31'.6	31'.8	33'.0	31'.0	32'.0	30'.0	32'.0	30'.0	32'.4	32'.4	31'.6	31'.0	30'.3	13h
14	30'.0	28'.4	29'.6	28'.8	30'.4	31'.8	29'.0	30.0	28'.4	31'.4	28'.6	32'.0	32'.0	29'.0	30'.0	29'.3	14
15	30'.0	28'.2	28'.6	30'.2	30'.0	29'.8	27'.6	28'.4	27'.0	29'.0	29'.0	31'.0	31'.4	27'.8	28'.0	28'.5	15
16	29'.8	28'.2	28'.6	30'.4	29'.8	28'.2	28'.0	29'.0	27'.2	29'.0	29'.8	30'.4	30'.2	28'.4	28'.4	29'.0	16
17	30'.4	29'.2	29'.6	31'.6	30'.4	30'.0	30'.0	30'.2	30'.0	30'.4	31'.0	30'.6	31'.4	31'.4	30'.8	29'.9	17
18	31'.2	30'.2	30'.4	31'.2	32'.0	31'.6	31'.8	32'.0	31'.8	31'.8	31'.6	32'.0	31'.8	32'.0	32'.0	30'.9	18
19	31'.4	31'.2	31'.8	32'.4	32'.2	32'.0	32'.2	32'.2	32'.0	32'.0	31'.8	32'.8	32'.0	32'.0	32'.0	31'.6	19
20	31'.4	31'.8	32'.2	32'.6	32'.4	32'.0	32'.2	32'.4	32'.0	32'.0	32'.0	33'.0	32'.0	32'.2	32'.4	31'.8	20
21	31'.6	31'.8	32'.0	33'.2	32'.2	32'.0	32'.2	32'.4	32'.6	32'.0	32'.0	32'.2	32'.0	32'.0	32'.0	31'.9	21
22	31'.8	31'.6	32'.0	33'.4	32'.0	32'.0	32'.2	32'.2	32'.0	31'.8	32'.0	32'.0	31'.8	31'.8	31'.8	31'.9	22
23	32'.0	31'.6	32'.2	32'.6	32'.0	32'.2	32'.0	32'.0	32'.0	31'.8	32'.2	33'.4	31'.8	31'.8	31'.8	31'.9	23

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

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

MAY 1927.

Day / Hour	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	·22000 + (C.G.S. UNIT).																
Midnight	800	821	801	760	780	759	774	750	780	779	795	801	803	803	804	790	Midnight
1h	819	811	808	766	774	753	773	750	780	779	797	801	802	809	807	789	1h
2	811	812	809	768	776	763	779	759	782	780	798	801	809	805	808	790	2
3	813	815	812	771	780	775	781	770	783	782	798	801	810	804	809	790	3
4	815	818	819	788	780	778	781	775	782	790	798	804	809	803	807	791	4
5	817	819	823	779	809	777	782	773	797	790	799	807	808	805	810	792	5
6	816	820	822	783	819	777	789	778	792	792	799	807	811	805	813	794	6
7	819	821	820	792	816	778	792	783	795	800	809	808	819	807	808	803	7
8	822	823	820	802	810	782	800	782	797	803	811	810	819	809	820	808	8
9	829	822	819	807	775	780	805	795	790	809	820	812	817	810	821	806	9
10	832	821	812	811	740	783	808	805	790	810	821	815	818	810	823	809	10
11	838	828	820	800	720	793	815	806	790	819	821	814	815	810	832	805	11
Noon	830	831	820	799	700	793	815	802	794	819	820	813	816	810	820	800	Noon
13h	816	829	802	793	678	784	793	792	792	812	813	810	810	812	780	790	13h
14	802	820	790	791	680	783	802	775	789	803	801	809	801	799	767	789	14
15	801	813	784	791	702	780	803	772	773	793	797	805	791	792	779	790	15
16	801	812	787	789	721	770	792	773	770	787	795	802	791	795	782	780	16
17	802	811	800	792	736	762	750	771	773	785	797	805	795	803	770	773	17
18	810	811	779	797	748	764	718	769	778	789	800	808	799	809	771	770	18
19	813	810	768	800	752	770	689	775	770	790	799	809	801	809	781	777	19
20	812	809	760	799	758	773	705	775	787	791	802	809	803	807	785	772	20
21	810	802	753	796	757	778	733	781	772	796	801	809	808	807	777	781	21
22	809	800	750	791	760	778	740	790	772	797	801	809	808	803	780	781	22
23	802	800	760	788	760	777	749	787	772	798	801	803	808	802	786	781	23

Day / Hour	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d	30d.	31.	Mean	Day / Hour
	·22000 + (C.G.S. UNIT).																
Midnight	775	795	796	772	775	800	785	800	790	794	801	810	769	791	791	788·5	Midnight
1h	789	795	799	782	778	793	789	793	790	794	800	809	761	790	790	789·4	1h
2	783	795	800	783	777	793	789	795	790	792	802	809	770	799	786	790·7	2
3	787	800	803	793	779	791	790	795	791	792	803	810	771	797	783	792·9	3
4	788	800	803	795	786	799	790	791	791	800	803	809	774	793	788	795·1	4
5	791	800	807	798	792	792	795	796	790	803	805	809	779	793	786	797·5	5
6	797	800	809	805	790	793	800	797	793	806	808	810	781	792	790	799·6	6
7	799	801	812	818	793	801	804	805	793	811	807	818	792	800	798	803·9	7
8	803	800	818	823	801	807	807	809	797	813	807	820	803	801	799	807·3	8
9	802	803	821	817	811	812	809	812	799	820	830	828	812	809	805	809·9	9
10	808	809	821	830	814	809	809	820	799	821	831	838	820	812	810	811·6	10
11	819	814	820	833	810	809	809	819	800	821	845	839	830	819	815	813·8	11
Noon	821	820	812	838	810	808	800	812	797	819	852	831	828	817	813	811·6	Noon
13	819	810	801	815	808	799	792	800	787	811	822	813	814	811	811	800·6	13h
14	809	800	792	811	805	789	788	791	789	809	811	798	802	811	800	793·7	14
15	800	793	778	775	799	771	789	791	780	801	808	790	797	808	782	788·0	15
16	791	792	762	778	790	777	792	791	780	799	803	788	791	800	776	785·7	16
17	790	795	759	773	789	781	800	790	788	802	801	782	787	791	780	7 4·9	17
18	794	791	761	745	793	788	807	800	791	802	800	779	789	793	785	785·1	18
19	791	795	768	731	793	788	805	801	790	802	805	780	790	794	785	784·9	19
20	793	795	777	760	795	790	804	801	783	801	809	788	792	791	785	787·5	20
21	792	798	772	766	794	790	799	799	781	799	810	779	793	790	789	787·5	21
22	791	797	772	761	793	790	792	793	784	798	813	770	791	790	789	786·9	22
23	798	797	780	767	791	790	795	794	790	799	817	781	791	792	791	788·6	23

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

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

MAY 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	Z + (10—5 C.G.S. UNIT.)																
Midnight	† 32	35	38	42	40	46	42	48	42	40	38	37	36	36	35	38	Midnight
1h	32	35	37	41	41	46	42	47	41	41	38	37	35	36	33	37	1h
2	29	33	36	40	40	43	42	48	40	41	38	37	35	36	33	36	2
3	29	33	34	39	38	42	41	43	41	40	38	37	34	36	32	36	3
4	21	33	33	37	37	43	40	43	40	40	38	37	35	36	33	36	4
5	22	35	33	37	37	42	39	42	38	40	38	38	36	37	34	36	5
6	33	36	33	37	34	42	38	42	39	39	37	38	36	37	34	37	6
7	32	37	33	36	32	43	38	40	38	38	36	38	35	37	34	34	7
8	35	39	38	39	40	47	42	45	41	40	37	39	37	39	38	39	8
9	37	42	41	40	50	49	43	49	43	41	36	38	37	40	41	41	9
10	35	41	41	35	52	43	39	45	42	42	33	36	37	37	41	42	10
11	22	33	36	31	49	32	35	37	33	30	28	27	30	28	33	38	11
Noon	15	26	22	30	41	19	26	33	27	24	26	19	26	22	27	33	Noon
13h	12	22	16	29	29	10	24	30	31	23	23	13	26	22	23	26	13h
14	13	20	16	31	32	11	25	29	31	21	27	10	24	23	24	26	14
15	13	22	18	30	32	13	27	28	29	22	25	10	25	26	25	25	15
16	14	25	19	31	33	19	30	33	31	26	24	13	28	29	28	28	16
17	20	30	24	34	38	27	32	37	33	32	28	27	33	33	36	33	17
18	26	34	30	37	42	35	42	40	36	37	33	33	37	37	40	38	18
19	28	37	36	37	44	38	47	41	37	37	36	34	37	37	40	39	19
20	31	37	39	39	46	39	50	41	40	37	37	35	38	37	40	39	20
21	33	38	42	38	47	41	50	42	40	38	37	36	38	37	40	41	21
22	33	40	45	40	48	42	49	40	43	38	37	36	37	36	39	40	22
23	34	39	43	40	47	42	49	41	42	38	37	34	37	35	38	40	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
	Z + (10—5 C.G.S. UNIT.)																
Midnight	39	36	36	40	42	38	39	34	34	32	32	30	33	35	32	37·3	Midnight
1h	37	35	35	40	39	38	39	34	34	32	31	31	35	33	32	36·9	1h
2	37	33	33	38	39	38	38	35	34	33	32	31	33	32	31	36·3	2
3	37	33	33	36	38	37	38	35	35	33	32	31	35	33	31	35·8	3
4	37	33	33	36	36	37	37	36	35	33	33	32	35	33	31	35·5	4
5	37	33	32	36	36	37	36	36	35	33	33	32	36	34	32	35·5	5
6	38	35	33	35	35	37	35	35	35	33	33	32	36	34	33	35·8	6
7	37	35	31	31	33	33	33	33	33	32	31	30	33	32	31	34·5	7
8	39	40	33	32	36	34	37	36	34	34	31	30	34	35	32	37·2	8
9	40	42	36	39	40	41	46	40	37	38	30	32	40	40	34	40·1	9
10	40	39	36	39	42	41	49	41	33	35	26	32	42	40	29	38·9	10
11	30	31	34	33	42	40	45	41	25	26	24	22	37	35	22	32·6	11
Noon	27	23	30	32	40	38	38	35	14	22	17	17	32	25	17	26·5	Noon
13h	25	17	22	28	39	33	33	25	8	18	08	14	28	13	16	22·1	13h
14	22	21	19	22	37	27	24	20	10	15	16	18	28	07	13	21·4	14
15	20	26	20	22	37	23	23	19	11	15	21	20	29	10	10	21·8	15
16	22	30	22	26	33	25	28	20	13	20	25	21	27	17	16	24·4	16
17	...30	31	24	30	35	30	30	23	23	28	30	27	33	25	23	29·6	17
18	33	35	30	33	38	35	33	30	30	33	33	33	36	32	30	34·5	18
19	35	38	36	40	38	35	33	33	32	33	33	36	37	33	32	36·4	19
20	36	39	39	41	38	36	33	35	33	32	33	35	37	35	33	37·4	20
21	38	39	40	42	39	37	34	35	33	32	32	34	37	36	33	38·0	21
22	38	38	41	42	39	37	35	34	33	32	32	33	37	36	33	38·2	22
23	38	37	41	42	39	38	36	34	33	32	21	33	36	33	32	37·5	23

* Absolute values cannot be allotted. The figures are consistent apart from instrumental drift throughout the month, but discontinuities may occur between successive months. These will be noted

† To make figures comparable with April add 5 to all values.

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of MAY 1927.

Month and Day 1927	Observations at 10 a.m.								Temperature of the Air.						
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees *	Wind. Velocity.	Highest.	Lowest.	Range	Amount of Cloud (Scale 0—10)	Amoun of Rain measured at 10 a. m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	968·3	22.2	1·1	20.3	89	23·6	279	0·8		17·9		2·2	0·0	7·1	03
2	969·0	23·0	1·6	20·2	84	23·4	288	3·6		16·1		4·1	0·6	8·6	76
3	970·1	22·4	1·2	20·3	88	23·6	297	2·7		19·4		7·6	0·1	6·3	56
4	971·2	20·7	0·5	19·8	95	22·9	288	2·2		18·6		5·7	5·4	0·0	0
5	969·7	20·9	1·0	19·1	89	21·9	279	6·2		17.4		2·7	24·2	9·5	84
6	967·8	21·7	1·8	18·5	82	21·1	288	5·8		17·0		3·3	0·2	9·7	86
7	966·6	21·2	1·1	19·3	89	22·2	297	2·0		17·2		8·5	0·0	0·4	4
8	967·6	20·9	1·1	18·9	88	21·6	288	0·7		17.2		4·7	1·5	5·3	47
9	967·3	21·6	0·6	20·5	94	23·9	325	4·5		16·3		2·1	0·0	10·5	94
10	969·7	20·6	0·7	19·3	92	22·2	297	3·3		15·6		3·7	0·1	10·3	92
11	971·9	20·5	0·3	20·0	97	23·2	288	7·2		16·2		2·6	2·4	10·1	90
12	972·2	20·5	0·4	19·8	96	22.9	288	4·2		16·3		7·0	10·8	5·6	50
13	969·7	22·7	0·7	21·5	93	25·4	248	1·3		18.1		4·3	1·2	8·7	78
14	968·2	21·5	0·3	21·0	97	24·6	248	6·0		19·0		9·7	2·5	1·5	13
15	967·3	21·3	0·4	20·6	96	24·0	180	0·9		19·3		9·5	9·1	2·1	19
16	969·5	21·0	0·6	19·9	95	23·0	22	1·8		19·1		7·7	14·1	4·4	40
17	970·9	20·6	1·7	17·6	83	19·9	314	2·4		17·1		1·3	0·2	10·5	95
18	972·1	24·7	0·9	23·2	91	28·1	292	1·5		16·2		6·4	0·7	7·1	64
19	972·9	19·1	2·2	15·1	78	17·0	292	3·9		15·6		8·1	1·0	6·4	58
20	972·6	19.0	1·6	16·1	83	18·1	259	4·0		15·2		6·2	0·7	9·4	85
21	970·2	22.7	2·5	18·3	76	20·8	225	0·6		15·3		4·3	0·0	6·8	61
22	970·9	21·9	1·7	18·9	83	21·6	45	0·6		15·2		4·2	0·0	9·7	87
23	971·1	22·1	2·2	18·2	79	20·7	248	0·6		15·4		2·2	0·0	9·3	85
24	972·0	24·5	1·2	22·4	88	26·8	292	1·1		15·0		3·5	0.0	9·9	90
25	972·3	19·7	0·6	18·6	93	21·2	314	1·8		15·3		3·0	1·3	10·5	95
26	972·7	19·9	1·5	17·2	84	19·4	303	2·3		13·6		1·2	0·0	10·2	93
27	973·1	19·4	1·4	16·8	85	18·9	292	0·6		13·4		6·2	1·7	7·4	67
28	973·7	18·2	0·2	17·8	98	20·2	303	3·8		15·5		3.7	6·5	7·4	67
29	973·7	19·9	1·7	16·8	82	18·9	314	4·1		15·6		4·1	2·7	8·5	77
30	970·3	19·9	1·7	16·8	82	18·9	292	2·3		15·5		2·2	0·0	9·8	89
31	969·2	18·9	1·5	1 6	84	18·2	292	3·3		12·8		2·4	0·1	10·8	98
Mean	970·4	21·0	1·1	19·0	88·2	21·8	293·5°	2.5		16·3		4·6	Sum 87·1	7·54	67·8
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Thermometer broken

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

Mean of the month at 10 a.m.:

Atmospheric Pressure	+ 42·0 mbs
Temperature of the Air	+ 2·6°C
Vapour Tension	— 1·2 mbs
Relative Humidity	—15·7%
Direction of Wind	0.3°S
Velocity of Wind	+ 1·2 m.p.s.
Amount of cloud	— 0.2

Amount of rain	—28·8 m.m.
Duration of sunshine	+0·2 hrs.
Mean of highest temperatures	...
Mean of lowest temperatures	+2·1°C
Absolute highest temperature	...
Absolute lowest temperature	+1·1°C

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

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MAY 1927.

Month and Day 1927.	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)		Elasti 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.		
	mbs.	mbs.	c	c	c	c	c	c		c			mbs.	c	mm.	min.	mm.	
1	1008·8	+ 0·2	26·5	19·2	7·3	22·4	— 0·9	1·8	19·2	0·0	82	+ 3	22·0	13·9	0·0	...	4·0	2.9
2	1009·6	+ 0·9	27·0	18·8	8·2	22·7	— 0·5	2·2	18·9	— 0·3	79	0	21·6	13·6	0·0	...	4·0	3·0
3	1010·8	+ 2·0	26·9	21·1	5·8	23·4	+ 0·3	2·3	19·4	+ 0·3	78	0	22·3	16·1	0·6	35	4·8	3·3
4	1011·6	+ 2·7	22·9	20·0	2·9	21·5	— 1·5	1·1	19·6	+ 0·6	89	+ 11	22·6	15·2	18·5	215	6·2	6·0
5	1010·3	+ 1·3	25·3	20·3	5·0	22·3	— 0·7	2·6	17·7	— 1·2	75	— 3	20·1	15·1	0·0	...	4·2	2·8
6	1008·5	— 0·6	25·6	19·8	5·8	22·4	— 0·5	2·7	17·7	— 1·1	75	— 3	20·1	15·4	0·0	...	5·0	2·9
7	1007·5	— 1·6	25·6	20·6	5·0	22·3	— 0·5	1·9	19·0	+ 0·2	82	+ 4	21·8	17·2	12·1	50	3·1	8·5
8	1008·3	— 0·9	25·2	18·2	7·0	21·9	— 0·9	1·6	19·1	+ 0·4	84	+ 6	21·9	13·5	0·0	...	3·0	6·2
9	1008·8	— 0·5	25·7	17·5	8·2	21·5	— 1·2	2·5	17·1	— 1·5	76	— 2	19·3	11·7	0·0	...	3·8	2·2
10	1010·7	+ 1·3	25·0	16·3	8·7	20·6	— 2·0	2·9	15·5	— 3·1	72	— 6	17·4	10·7	0·0	...	5·5	2·0
11	1012·9	+ 3·4	24·9	18·2	6·7	21·5	— 1·1	2·9	16·4	— 2·1	73	— 5	18·5	16·3	0·0	...	4·8	2·9
12	1013·1	+ 3·6	24·9	18·9	6·0	21·4	— 1·0	2·2	17·5	— 0·9	79	+ 1	19·8	17·2	2·7	45	4·7	6·0
13	1010·4	+ 0·8	26·0	20·0	6·0	22·8	+ 0·4	1·7	19·8	+ 1·4	83	+ 5	22·9	17·7	2·5	15	3·7	5·5
14	1008·2	— 1·5	26·0	22·1	3·9	23·5	+ 1·2	1·8	20·4	+ 2·1	83	+ 5	23·7	20·6	0·0	...	3·0	9·2
15	1007·9	— 1·9	26·3	21·3	5·0	23·2	+ 0·9	1·3	20·9	+ 2·7	87	+ 9	24·5	18·6	14·0	50	1·6	8·9
16	1009·8	— 0·1	25·0	20·0	5·0	22·3	+ 0·1	1·2	20·2	+ 2·0	88	+ 10	23·4	15·7	5·1	25	2·1	7·4
17	1011·8	+ 1·9	25·0	18·4	6·6	21·4	— 0·7	2·7	16·6	— 1·5	74	— 4	18·7	12·6	0·0	...	4·4	2·8
18	1012·9	+ 2·9	23·8	16·9	6·9	20·4	— 1·7	2·0	16·8	— 1·2	80	+ 2	18·9	12·3	0·9	30	3·9	5·0
19	1014·0	+ 3·9	23·7	19·0	4·7	21·1	— 0·9	3·5	14·9	— 3·0	68	— 10	16·8	14·2	0·3	15	5·3	8·3
20	1013·0	+ 2·8	24·4	17·8	6·6	20·8	— 1·2	2·7	16·0	— 1·9	74	— 4	18·0	14·8	0·6	15	3·8	5·4
21	1011·1	+ 0·8	26·4	16·9	9·5	21·4	— 0·5	1·8	18·2	+ 0·4	82	+ 5	20·7	14·4	0·0	...	2·4	4·2
22	1011·5	+ 1·2	26·2	18·7	7·5	22·2	+ 0·3	1·8	19·0	+ 1·3	82	+ 5	21·8	14·4	0·0	...	4·3	5·7
23	1012·1	+ 1·7	26·3	16·7	9·6	21·0	— 0·8	2·0	17·5	— 0·2	81	+ 4	19·8	10·9	0·0	...	4·8	1·6
24	1012·9	+ 2·4	25·2	17·2	8·0	20·9	— 0·8	3·0	15·6	— 2·0	72	— 5	17·6	10·6	0·0	...	4·0	1·4
25	1013·6	+ 3·0	24·8	16·9	7·9	20·3	— 1·4	2·9	15·1	— 2·5	72	— 5	17·0	10·5	0·0	...	4·6	2·6
26	1014·1	+ 3·4	24·2	14·0	10·2	19·1	— 2·5	3·1	13·5	— 4·0	70	— 7	15·3	9·0	0·0	...	4·6	3·3
27	1014·4	+ 3·6	24·8	15·1	9·7	20·3	— 1·3	2·8	15·3	— 2·1	73	— 4	17·2	8·7	0·0	...	4·4	5·5
28	1014·7	+ 3·8	23·7	18·2	5·5	20·6	— 0·9	1·8	17·4	+ 0·1	82	+ 5	19·7	15·4	1·0	25	0·2	6.4
29	1014·2	+ 3·2	24·5	18·8	5·7	21·5	0·0	3·1	16·0	— 1·3	71	— 6	18·0	14·6	0·0	...	5·4	3·6
30	1011·8	+ 0·8	24·3	18·0	6·3	20·8	— 0·6	3·0	15·5	— 1·7	72	— 5	17·4	10·1	0·0	...	4·6	1·6
31	1010·1	— 1·0	24·5	13·9	10·6	19·4	— 2·0	3·0	14·0	— 3·1	71	— 6	15·8	9·6	0·0	...	4.0	1·5
Mean	1011·3	+ 1·4	25·2	18·4	6·8	21·5	—0.8	2·3	17·4	— 0.8	77·7	0.0%	19·8	13·6	Sum. 58·3	Sum 520	4·0	4·5
Ave	1009·9	...	26·1	19·0	7·1	22·3	...	2·4	18·2	...	77·7	...	20·7	15·7	77·0	1328	3·7	4·6
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	1

GENERAL WEATHER CONDITIONS DURING THE MONTH OF MAY 1927.

The meteorological conditions for the month were characterised by irregularities in some elements.

Mean daily pressure ranged from 3.9 mbs above normal on the 19th to 1.9 mbs below on the 15th, dew point from 4.0° below normal on the 26th to 2.7° above on the 15th. Temperature was below normal on all days except on the 3rd 13th to 16th and 22nd.

Rainfall at the Observatory was 24% below normal and fell on 11 days.

The percentage variation from the normal in different parts of the Island was as follows :—

Northern Districts	River System 1,	27% above
Eastern Districts	,, ,, 2, 3, 4,	17% below
South-Eastern Districts	,, ,, 5 & 6	42% ,,
Western Districts	River System 11	11% below
	,, ,, 12	25% ,,
	,, 13	25% above

13th October, 1927

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MAY 1927

Month and Day 1927.	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	6 inches	3 inches	Weather
MAY	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	
1	7·5	66	− 0·6	+ 1·9	288	2·0	2·0	− 1·3	25·8	26·5	26·6	26·2	25·4	25·8	b : f : b .
2	10·6	94	− 1·3	+ 2·7	296	3·0	3·0	− 0·3	25·7	26·1	26·6	26·0	24·9	25·3	b : f : b .
3	8·7	77	− 1·2	+ 3·1	291	3·3	3·4	+ 0·1	25·6	26·1	26·5	26·0	25·3	25·9	b : f : c : f .
4	0·5	4	− 0·7	+ 2·8	284	2·9	3·0	− 0·3	25·8	26·1	26·4	25·9	24·8	24·9	b : ogr : f .
5	9·7	86	− 1·6	+ 3·5	295	3·8	4·0	+ 0·7	25·6	26·1	26·3	25·4	24·2	24·6	b .
6	9·1	81	− 1·7	+ 3·0	300	3·4	3·5	+ 0·2	25·6	26·2	26·2	25·5	24·1	24·7	b : f .
7	2·3	20	− 1·4	+ 1·7	310	2·2	2·3	− 1·0	25·6	26·3	26·1	25·4	24·5	25·1	cg .
8	5·7	51	− 1·0	+ 1·1	312	1·5	1·8	− 1·5	25·6	26·4	26·0	25·6	24·5	25·2	cg : f .
9	9·7	87	− 3·1	+ 2·5	321	4·0	4·1	+ 0·8	25·5	26·2	25·9	25·3	24·1	24·6	b : f : b .
10	10·5	94	− 1·8	+ 1·9	313	2·6	2·7	− 0·6	25·6	26·3	25·9	25·0	23·7	24·1	b : f : b .
11	10·0	89	− 1·9	+ 4·1	295	4·5	4·5	+ 1·2	25·5	26·1	25·7	24·6	23·5	24·0	b : f : b .
12	6·5	58	− 1·2	+ 4·1	286	4·2	4·3	+ 1·0	25·4	26·1	25·6	24·5	23·3	23·8	ogq : f : c : b .
13	8·3	74	+ 0·4	+ 2·8	262	2·8	3·1	− 0·2	25·4	26·2	25·5	24·6	23·5	24·4	b : f : c .
14	1·4	12	+ 1·3	+ 2·8	245	3·1	3·1	− 0·2	25·4	26·2	25·4	25·0	24·1	25·1	og .
15	4·0	36	+ 1·6	+ 0·5	197	1·7	2·2	− 1·1	25·6	26·1	25·4	25·0	23·4	25·4	og .
16	1·4	13	− 0·6	+ 0·2	342	0·6	1·4	− 1·9	25·5	26·1	25·5	25·2	24·4	25·4	cg : b .
17	10·4	94	− 2·8	+ 1·9	326	3·4	3·4	+ 0·1	25·6	26·1	25·5	25·1	24·2	25·0	b .
18	8·4	76	− 1·6	+ 2·7	301	3·1	3·2	− 0·1	25·8	25·9	25·5	24·9	23·5	24·0	b : f : c .
19	4·8	43	− 2·1	+ 3·5	301	4·1	4·1	+ 0·8	25·6	26·0	25·4	24·6	22·9	23·6	c .
20	8·3	75	0·0	+ 2·7	270	2·7	3·0	− 0·3	25·5	25·9	25·3	24·2	22·9	23·7	c : f b .
21	7·3	66	+ 0·6	+ 0·2	198	0·6	1·3	− 2·0	25·6	25·7	25·2	24·2	23·1	24·1	b : f : b .
22	9·9	89	0·0	− 0·4	270	0·4	1·5	− 1·9	25·7	25·9	25·2	24·2	23·8	25·3	c : f .
23	9·3	85	− 0·7	+ 0·1	352	0·7	1·7	− 1·7	25·5	25·9	25·1	24·6	24·0	25·2	b .
24	10·0	91	− 1·8	+ 1·5	320	2·3	2·5	− 0·9	25·7	25·9	25·1	24·6	23·8	24·6	b .
25	9·6	87	− 2·5	+ 2·1	320	3·2	3·3	− 0·1	25·6	25·9	25·1	24·2	23·3	24·1	f : b .
26	6·4	58	− 1·9	+ 2·5	307	3·1	3·2	− 0·2	25·8	25·7	25·0	23·	22·8	23·2	b : f : b .
27	7·8	71	− 1·0	+ 3·0	288	3·1	3·2	− 0·2	25·6	25·6	24·7	23·0	22·4	23·1	f .
28	8·0	73	− 2·0	+ 3·4	300	3·9	4·0	+ 0·6	25·6	25·7	24·8	23·6	22·6	23·4	c : f .
29	7·6	69	− 3·1	+ 3·9	309	5·0	5·1	+ 1·7	25·5	25·8	24·7	23·5	22·5	23·4	b : f : b .
30	10·1	92	− 1·5	+ 3·2	295	3·5	3·6	+ 0·2	25·6	25·6	24·6	23·6	22·4	23·3	b .
31	10·2	93	− 1·5	+ 2·3	303	2·7	2·8	− 0·6	25·8	25·7	24·5	23·2	21·9	22·5	b .
Mean	7·55	67·9	− 1·18	+ 2·30	297·2	2·59	3·04	− 2.9	25·60	26·01	25·53	24·75	23·68	24·41	...
Average	7·57	67·9	− 1·29	+ 2·52	297·1	2·83	3·33	...	25·54	26·34	25·51	25·03	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MAY 1927.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1015·9mbs	at	10h	on 28th	1006·1mbs	at 14h & 15h	on 7th
Temperature of the Air	27·0C	at	13·05	on 2nd	13·9C	at 3·25h	on 31st
Daily range of temperature of the Air...	10·6C		...	on 31st	2·9C	...	on 4th
Temperature of the Dew Point	22·4C	at	13h	on 16 th	12·0C	at 14h	on 31st
Daily range of temperature of the Dew Point	6·0C	...	...	on 18th	1·0C	...	on 14th
Relative humidity...	98·7%	at	22h	on 1st	47·1%	at 14h	on 31st
Wind Velocity	8·6 m.p.s.	at	14h	on 9th	0·6 mps	often	often
Rainfall	18·7 mm	ending	14h	on the 4th	...	...	...
Temperature of the soil at 3 ins. ...	27·5C	at	15h	on 3rd	20·8C	at 9h	on 31st
, at 6 ins. ...	26·0 C	at	18h	on 3rd	21·3C	at 9h & 12h	on 31st
Duration of sunshine	10·6 hrs.		...	on 2nd	0·5hrs.	...	4th
Amount of Evaporation in 24 hours	6·2 mm.		...	on 4th	0·2 m.m.	...	on 28th
Vapour Tension	26·8 mbs	at	13h	on 16th	13·9 mbs	at 14h	on 31st
Minimum on Grass	...		...	...	8·7°C	...	on 27th

Number of Days Overcast, 5, Clear 13, of Rain 11 of Lightning 0, of Thunderstorm 0.

~~Mean Day Temperature of Air, 23·14C. Average 24·08~~ Mean Night Temperature of Air, 19·87C. Average 20·58

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

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

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

MAY 1927.

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

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour
Midnight	0092	0100	0110	0120	0120	0104	0080	0083	0090	0106	0130	0138	0122	0099	0080	0097	Midnight
1h	0089	0100	0108	0118	0114	0100	0078	0080	0086	0102	0127	0137	0115	0093	0077	0094	1h
2	0085	0099	0107	0112	0110	0099	0072	0079	0080	0100	0122	0131	0113	0090	0071	0091	2
3	0080	0094	0100	0107	0106	0094	0071	0077	0077	0098	0120	0131	0103	0082	0067	0089	3
4	0080	0090	0100	0100	0100	0091	0070	0076	0077	0098	0120	0130	0101	0077	0067	0087	4
5	0082	0090	0101	0102	0100	0090	0070	0073	0075	0099	0121	0130	0101	0075	0067	0089	5
6	0083	0092	0103	0109	0102	0092	0073	0080	0078	0101	0127	0132	0105	0079	0069	0091	6
7	0091	0093	0109	0112	0109	0098	0078	0081	0082	0102	0132	0139	0110	0085	0074	0100	7
8	0093	0100	0113	0120	0111	0100	0080	0089	0090	0112	0138	0140	0116	0091	0082	0103	8
9	0100	0100	0118	0128	0114	0099	0083	0094	0093	0115	0140	0148	0118	0099	0086	0110	9
10	0100	0100	0118	0130	0113	0098	0083	0094	0093	0113	0140	0148	0118	0099	0089	0109	10
11	0094	0100	0111	0128	0109	0090	0081	0090	0090	0109	0137	0139	0113	0091	0083	0103	11
Noon	0087	0097	0109	0121	0101	0083	0074	0085	0083	0103	0130	0133	0103	0083	0078	0099	Noon
13h	0079	0090	0100	0120	0093	0077	0068	0078	0078	0099	0121	0126	0097	0075	0070	0092	13h
14	0073	0093	0099	0113	0089	0070	0061	0077	0073	0095	0118	0120	0090	0069	0069	0090	14
15	0073	0080	0098	0110	0088	0070	0061	0076	0076	0093	0115	0120	0090	0069	0071	0088	15
16	0078	0081	0099	0104	0089	0070	0064	0076	0080	0096	0119	0120	0089	0067	0071	0089	16
17	0080	0087	0100	0110	0090	0070	0070	0080	0083	0100	0121	0120	0093	0070	0073	0090	17
18	0084	0093	0100	0112	0095	0071	0071	0081	0090	0108	0129	0121	0097	0075	0080	0093	18
19	0090	0098	0103	0119	0100	0076	0078	0085	0099	0113	0131	0124	0100	0080	0085	0099	19
20	0100	0100	0112	0120	0102	0080	0080	0090	0103	0121	0136	0129	0102	0081	0091	0100	20
21	0103	0111	0119	0124	0108	0080	0082	0090	0111	0126	0139	0130	0102	0082	0095	0113	21
22	0102	0111	0119	0120	0108	0080	0082	0091	0110	0128	0139	0129	0101	0082	0095	0115	22
23	0101	0110	0119	0120	0108	0080	0086	0090	0110	0129	0140	0126	0100	0081	0097	0116	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	0113	0137	0137	0147	0120	0115	0120	0128	0134	0141	0150	0151	0148	0140	0113	1011·8	Midnight
1h	0110	0132	0136	0146	0118	0110	0118	0127	0132	0140	0150	0150	0145	0138	0112	1011·6	1h
2	0108	0130	0133	0142	0113	0111	0116	0122	0130	0139	0149	0150	0140	0132	0110	1011·2	2
3	0103	0127	0131	0140	0110	0110	0116	0120	0128	0136	0144	0146	0137	0128	0104	1010·9	3
4	0100	0122	0130	0136	0108	0110	0114	0120	0129	0134	0140	0141	0134	0122	0100	1010·7	4
5	0100	0122	0130	0137	0108	0110	0115	0119	0130	0135	0142	0139	0133	0120	0096	1010·6	5
6	0101	0128	0137	0140	0111	0112	0119	0123	0132	0140	0145	0140	0140	0121	0099	1011·0	6
7	0112	0130	0141	0143	0112	0118	0124	0132	0137	0143	0150	0148	0150	0127	0101	1011·5	7
8	0119	0133	0149	0148	0119	0123	0131	0138	0141	0149	0152	0150	0155	0132	0109	1012·0	8
9	0125	0139	0151	0148	0121	0130	0131	0140	0145	0150	0156	0157	0157	0137	0110	1012·4	9
10	0127	0140	0151	0149	0123	0129	0132	0141	0149	0150	0154	0159	0157	0133	0110	1012·4	10
11	0123	0135	0150	0140	0119	0124	0129	0139	0144	0147	0150	0153	0150	0127	0101	1011·9	11
Noon	0120	0130	0143	0132	0110	0119	0122	0130	0137	0140	0140	0149	0150	0121	0097	1011·3	Noon
13h	0113	0125	0139	0127	0103	0111	0118	0124	0130	0132	0131	0140	0140	0110	0089	1010·6	13h
14	0110	0120	0133	0116	0099	0107	0110	0120	0127	0130	0129	0137	0135	0102	0088	1010·2	14
15	0110	0115	0131	0111	0100	0104	0109	0120	0128	0129	0129	0137	0132	0098	0087	1010·1	15
16	0113	0115	0135	0112	0100	0103	0107	0121	0130	0130	0129	0138	0130	0099	0088	1010·1	16
17	0119	0118	0136	0113	0100	0109	0110	0124	0130	0132	0131	0139	0131	0100	0089	1010·4	17
18	0123	0121	0139	0113	0101	0110	0119	0126	0134	0138	0137	0140	0138	0102	0092	1010·8	18
19	0129	0123	0142	0117	0107	0111	0121	0130	0139	0140	0141	0149	0141	0109	0100	1011·2	19
20	0130	0131	0146	0121	0113	0117	0127	0136	0141	0148	0149	0151	0142	0111	0103	1011·7	20
21	0135	0139	0149	0123	0116	0120	0130	0140	0142	0150	0152	0153	0148	0113	0110	1012·0	21
22	0136	0138	0149	0123	0116	0120	0129	0140	0141	0150	0152	0153	0147	0116	0108	1012·0	22
23	0136	0139	0149	0121	0116	0119	0128	0139	0141	0150	0151	0150	0141	0115	0108	1012·0	23

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

Hour. \ Day.	May 1927.																															Mean.
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	
Midnight	0	0	1	0	6	2	7	9	0	0	1	0	3	9	9	8	2	1	8	9	0	8	0	0	1	0	2	8	2	1	0	3·1
1h	0	0	1	1	6	1	8	9	0	0	1	3	5	9	10	8	1	1	8	9	0	9	0	0	3	0	4	9	2	1	0	3·5
2	0	0	1	1	1	1	8	9	0	0	1	4	5	9	10	8	2	1	8	9	0	10	0	0	4	0	4	10	2	1	0	3·5
3	0	0	1	1	1	0	9	9	0	0	1	10	3	9	10	8	2	2	8	10	0	10	0	1	4	1	4	10	2	1	0	3·8
4	0	0	1	2	1	1	10	9	0	0	1	10	1	9	9	8	2	3	8	10	2	10	0	1	4	1	5	10	2	1	0	3·9
5	0	0	1	7	1	1	10	9	0	0	7	10	2	9	9	9	2	5	8	10	6	10	0	1	4	1	6	10	2	1	0	4·5
6	2	1	2	9	2	2	9	8	1	1	9	10	2	9	10	9	2	9	9	9	9	9	0	1	5	1	7	10	3	1	1	5·2
7	4	2	2	5	2	3	8	7	1	1	8	10	2	8	10	10	3	5	9	9	8	2	0	1	5	2	5	10	5	2	1	4·8
8	5	2	2	7	6	3	6	6	3	2	6	9	2	8	10	10	3	4	9	7	4	4	1	1	4	8	8	4	4	2	1	4·9
9	7	3	2	8	10	3	3	5	4	2	1	6	2	8	10	10	2	3	8	4	3	4	1	2	3	5	10	3	6	2	0	4·5
10	8	5	2	10	3	3	9	8	7	5	3	6	6	9	7	9	1	2	9	10	7	4	2	3	6	5	4	4	2	2	2	5·3
11	8	6	2	10	3	3	9	9	7	6	3	6	6	9	7	9	1	7	9	6	8	5	2	5	8	4	4	8	3	2	3	5·7
Noon	8	6	3	10	2	3	9	9	7	6	1	7	8	9	8	10	3	8	9	6	7	5	2	4	1	4	7	4	5	3	2	5·7
13h	7	7	4	10	3	3	9	9	6	6	1	7	8	9	8	10	2	7	9	5	7	6	2	4	1	5	7	6	2	3	3	5·7
14	6	6	7	10	3	4	9	10	4	5	1	7	7	9	9	10	6	6	7	3	8	6	3	3	2	6	5	7	3	3	3	5·7
15	5	6	7	10	4	4	10	8	3	2	2	8	5	10	10	10	5	6	6	2	7	4	7	2	2	8	5	10	3	2	3	5·7
16	3	6	8	9	4	4	9	7	3	2	3	7	5	10	9	9	4	5	6	4	5	6	6	2	2	8	5	8	6	2	5	5·6
17	2	5	9	6	3	4	10	6	2	2	6	6	6	10	8	9	3	4	5	3	3	8	8	1	1	7	6	7	8	2	4	5·3
18	1	3	10	5	2	4	9	4	2	2	3	4	7	10	9	5	3	3	9	2	2	9	2	1	1	6	4	4	9	2	3	4·5
19	1	4	8	5	2	4	9	2	1	2	3	3	8	10	9	4	2	3	9	2	2	5	1	1	1	3	6	4	8	2	3	4·1
20	1	3	4	4	1	3	8	1	1	1	3	2	10	10	8	3	2	5	9	2	1	4	1	0	0	1	5	3	5	1	2	3·4
21	1	3	1	2	1	3	8	0	1	1	3	1	9	10	9	2	1	10	9	2	1	2	0	0	0	1	4	3	2	1	1	3·0
22	0	2	1	5	1	4	9	0	0	1	2	2	9	9	9	1	1	8	9	1	2	1	0	0	0	1	6	2	1	0	0	2·8
23	0	1	0	4	2	5	9	0	0	1	1	4	9	9	8	1	1	8	9	0	5	0	0	0	0	1	7	2	1	0	0	2·8

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

Hour* Ending \ Day.	May 1927.																															Total.
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0
7	0	25	16	0	24	5	0	0	25	22	0	0	2	0	0	0	18	0	1	0	15	2	20	15	0	6	11	10	1	13	10	4·0
8	50	60	60	0	58	60	28	10	60	60	50	0	60	0	3	4	60	53	13	25	60	60	60	60	56	6	50	60	41	60	60	21·4
9	28	60	60	12	40	60	44	55	60	60	60	25	53	10	8	0	60	58	10	45	60	60	60	60	60	2	0	60	48	60	60	22·3
10	0	60	60	0	54	60	16	55	60	60	60	32	40	9	5	2	60	55	10	8	45	46	60	60	60	59	30	60	44	60	60	21·5
11	35	60	60	0	55	60	0	55	45	60	60	56	55	9	48	5	60	60	15	60	49	60	60	53	40	60	59	60	60	60	60	24·7
Noon	30	55	60	0	60	60	3	38	58	60	60	58	46	9	55	1	60	40	3	56	39	60	60	50	59	60	60	55	56	60	60	23·8
13h	40	59	60	0	60	60	29	43	26	60	60	53	60	16	48	0	60	43	15	56	49	60	60	60	60	60	56	60	27	60	60	24·4
14	60	60	60	0	60	60	17	2	57	60	60	31	45	26	29	0	60	60	35	60	41	60	57	60	60	60	60	56	60	60	60	24·6
15	60	60	46	0	60	57	0	45	53	60	60	15	60	0	0	7	60	60	60	60	58	60	48	60	60	46	60	40	60	58	60	23·9
16	60	58	35	0	54	35	0	25	58	60	60	56	47	6	14	28	60	49	60	60	10	60	59	60	60	5	60	0	48	53	60	21·6
17	60	58	5	0	59	28	1	10	60	59	57	56	28	0	31	35	60	28	60	60	15	60	15	57	59	17	20	19	10	59	56	19·0
18	24	23	0	15	0	0	3	10	22	8	10	6	0	0	0	4	8	0	5	7	0	6	0	4	2	0	0	0	0	6	8	2·8

The total amount of registered sunshine was 234·0 hours and the total possible sunshine 345·4 hours.

* Reckoned from apparent midnight.

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

(To obtain temperatures on the Absolute Scale add 273)

MAY 1927

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

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

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

MAY 1927

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	21.5	1.4	17.9	1.8	19.7	3.8	20.5	3.6	18.5	1.1	19.7	0.7	18.7	1.2	18.5	1.3	Midnight
1h	21.2	1.4	18.2	2.2	19.9	4.0	19.7	2.8	18.7	1.0	19.9	0.6	18.3	1.0	20.0	1.6	1h
2	20.6	1.3	18.0	2.1	20.1	4.2	18.9	2.0	17.8	0.9	19.3	0.6	18.1	1.1	19.8	1.8	2
3	20.7	1.5	16.9	1.0	19.9	4.0	19.3	2.3	17.4	0.7	19.6	0.7	17.7	0.9	19.2	2.1	3
4	20.3	1.3	17.3	0.6	19.2	3.0	19.0	2.1	17.0	0.8	20.0	0.6	17.2	1.1	18.6	1.7	4
5	20.4	1.4	18.0	1.0	19.2	2.6	19.8	2.9	17.3	0.6	20.4	0.5	16.7	1.0	18.2	1.4	5
6	20.3	1.5	18.9	0.1	19.7	2.7	19.8	2.9	18.0	0.8	20.3	0.4	17.0	1.0	18.5	1.6	6
7	19.9	1.4	18.6	0.1	19.1	1.5	19.4	2.0	18.8	0.8	19.8	0.6	17.0	0.9	18.5	1.8	7
8	22.0	2.7	20.7	2.0	20.0	1.8	20.1	2.1	21.7	1.4	22.1	1.4	20.5	1.1	20.2	2.2	8
9	23.2	3.3	22.0	3.2	21.3	2.6	21.7	2.6	23.1	1.8	23.0	1.7	22.3	1.6	22.9	3.9	9
10	23.9	4.2	23.0	3.5	21.9	2.6	21.3	2.2	24.3	2.4	24.3	2.9	23.8	2.6	23.7	4.7	10
11	24.2	4.2	23.7	3.9	22.7	2.9	23.1	4.0	25.3	3.3	25.0	3.3	25.3	3.2	24.2	4.9	11
Noon	24.7	4.6	21.3	0.6	22.8	3.3	23.9	4.8	25.2	3.1	25.9	3.1	25.0	3.8	24.7	5.1	Noon
13	24.8	4.6	23.0	2.0	23.2	3.2	23.7	4.6	25.7	3.6	25.6	3.5	26.0	3.6	25.1	5.4	13h
14	24.7	4.8	23.4	2.9	23.5	5.5	24.0	3.8	26.3	4.1	25.6	3.5	25.4	3.3	25.0	6.0	14
15	24.0	4.7	23.8	4.1	23.2	5.7	23.2	4.3	25.7	4.0	25.3	3.4	25.4	3.5	24.8	5.7	15
16	23.0	4.7	22.1	2.8	23.1	5.5	22.8	3.9	24.7	2.9	25.0	3.3	24.9	3.7	24.0	5.9	16
17	21.7	3.7	21.3	2.3	22.3	4.6	22.0	3.1	23.7	2.0	25.0	3.0	23.5	2.8	22.8	4.2	17
18	20.3	2.4	21.0	2.6	20.6	2.7	20.6	2.0	22.7	1.8	23.3	1.9	22.1	2.7	21.3	3.0	18
19	19.3	1.8	20.0	1.5	20.7	3.0	19.9	1.4	21.2	1.2	22.4	1.4	20.9	2.2	19.7	2.1	19
20	18.7	1.4	19.7	1.1	20.8	3.5	19.7	2.2	20.3	1.0	21.6	1.4	20.0	1.7	19.0	1.8	20
21	18.4	2.0	19.6	0.8	20.9	4.0	19.8	1.8	19.7	1.0	20.9	1.3	19.5	1.7	18.0	1.4	21
22	18.6	2.1	19.5	1.5	21.0	4.1	19.7	2.0	19.5	0.9	19.9	1.0	19.3	1.5	17.7	1.4	22
33	18.7	2.4	19.7	2.7	21.0	4.1	18.9	1.6	19.3	1.0	19.3	1.1	18.6	1.4	17.2	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	17.9	1.0	17.0	2.0	18.1	1.8	19.9	1.9	20.4	1.7	19.7	2.6	17.8	2.0	19.9	1.5	Midnight
1h	17.7	1.0	16.1	1.7	18.3	1.4	19.5	0.7	20.5	1.7	19.5	2.2	16.6	1.5	19.8	1.4	1h
2	17.4	1.0	15.0	1.1	18.8	1.8	18.7	0.7	20.2	1.5	19.6	1.9	15.3	1.0	19.6	1.4	2
3	17.5	0.7	15.0	0.5	18.6	2.1	19.0	0.8	20.0	1.6	19.1	2.1	14.0	0.8	19.4	1.3	3
4	17.2	0.7	14.5	0.5	18.3	2.1	18.7	0.7	20.3	2.1	18.7	2.1	14.8	1.0	19.2	1.3	4
5	17.9	0.9	14.2	0.2	17.1	1.8	18.5	0.8	20.3	2.3	18.6	2.1	16.2	1.3	19.2	1.3	5
6	18.1	1.0	14.3	0.3	16.6	1.4	19.0	0.8	19.1	1.8	18.6	2.2	16.2	1.2	19.3	1.2	6
7	17.9	0.9	14.7	0.6	15.4	0.9	19.4	1.8	19.4	1.7	18.7	1.8	15.2	0.9	19.3	1.2	7
8	20.2	1.4	18.9	1.5	19.0	2.0	21.2	1.9	21.1	2.7	21.0	2.7	19.7	2.6	21.5	2.0	8
9	22.4	3.3	21.1	3.5	20.4	3.5	22.0	2.4	22.2	3.1	22.5	3.8	22.0	3.8	22.9	2.7	9
10	23.4	4.1	22.6	4.9	21.6	3.0	22.4	3.1	23.3	4.2	23.5	4.5	23.1	4.4	23.6	3.2	10
11	23.6	4.3	23.1	5.4	23.8	5.5	22.5	2.5	23.9	4.8	23.3	4.1	23.5	4.8	24.3	3.8	11
Noon	24.5	3.8	23.9	6.2	23.9	5.4	23.3	3.3	24.2	5.1	24.3	5.1	24.0	6.0	24.6	3.9	Noon
13h	24.8	5.5	24.1	6.5	24.1	5.4	23.0	3.7	24.2	4.3	23.8	4.9	24.3	6.6	24.7	4.1	13h
14	24.7	5.8	24.1	6.6	24.0	5.3	23.1	3.8	24.2	5.1	24.1	5.1	24.0	7.0	24.6	4.1	14
15	23.9	5.6	23.1	6.0	23.7	4.3	22.7	3.3	24.0	4.9	23.7	4.7	23.9	6.1	24.2	3.9	15
16	23.3	5.2	22.4	5.5	23.1	4.4	20.9	1.1	22.7	3.9	22.4	3.7	23.0	5.1	23.5	3.4	16
17	22.1	4.3	21.7	5.2	22.0	3.7	21.1	1.8	22.0	3.8	22.1	3.4	22.1	4.3	22.8	2.9	17
18	20.7	3.7	20.3	4.0	21.0	2.7	20.2	1.6	21.2	3.0	21.0	3.0	20.7	3.0	21.7	2.3	18
19	19.8	3.2	18.7	2.8	20.3	1.4	19.7	1.1	21.3	3.1	19.7	2.1	18.7	2.0	21.0	1.9	19
20	19.3	3.0	18.0	2.7	19.8	1.6	19.6	1.3	21.3	3.2	19.0	1.8	17.9	1.6	20.5	1.7	20
21	19.1	2.9	18.2	2.5	19.8	1.7	19.6	1.3	20.9	2.9	19.0	1.9	17.0	1.3	20.4	1.7	21
22	18.1	2.4	17.7	2.6	19.8	1.8	20.1	1.9	19.9	2.0	19.2	2.3	17.5	2.4	20.2	1.7	22
23	17.3	2.3	17.8	2.0	19.7	1.7	20.2	1.9	20.1	2.4	18.8	2.5	18.1	1.5	20.0	1.7	23

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

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

MAY 1927.

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	909	898	906	883	917	900	931	890	923	885	923	884	916	897	906	Midnight
1h	900	910	898	906	887	919	900	923	890	924	887	920	878	922	895	911	1h
2	897	915	896	910	885	924	900	921	883	926	889	916	885	915	891	913	2
3	898	908	896	910	883	925	900	912	887	932	885	924	884	916	892	908	3
4	899	907	896	910	887	920	897	916	889	927	882	927	884	916	886	910	4
5	899	907	893	916	889	917	897	914	892	918	881	919	882	918	894	906	5
6	898	912	892	920	882	918	897	915	885	924	884	924	882	918	890	914	6
7	897	905	893	916	881	919	895	922	883	926	884	924	882	912	889	928	7
8	892	911	890	923	879	932	889	928	880	930	885	938	884	911	885	915	8
9	879	931	885	937	875	937	900	929	883	943	882	945	886	921	886	914	9
10	895	923	884	940	876	936	891	922	888	958	878	952	884	924	888	930	10
11	893	932	879	952	878	952	868	947	874	962	877	955	878	933	889	926	11
Noon	900	939	879	952	883	941	879	931	878	953	880	949	887	934	909	922	Noon
13h	893	934	880	948	883	941	878	953	886	970	881	947	874	926	889	926	13h
14	892	941	878	954	886	935	883	941	887	965	879	951	879	931	888	881	14
15	886	935	883	942	883	943	910	948	876	958	882	943	886	914	885	877	15
16	883	941	882	944	900	942	907	936	879	950	883	943	886	890	885	900	16
17	886	935	882	945	912	930	900	922	882	943	882	927	890	923	891	902	17
18	893	915	880	930	900	936	900	918	878	932	877	923	893	916	898	912	18
19	897	908	887	920	900	926	894	930	883	917	885	923	894	915	899	907	19
20	898	906	885	915	894	930	887	932	884	916	889	917	894	914	894	915	20
21	894	915	887	913	893	936	887	933	885	915	887	913	893	915	887	913	21
22	896	910	885	915	894	927	889	929	887	913	886	914	896	910	881	912	22
23	898	906	886	914	894	930	878	932	878	922	883	917	895	911	882	912	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	903	880	913	891	904	900	931	894	929	905	922	907	916	907	910	Midnight
1h	883	911	891	907	877	910	883	941	888	931	908	920	912	918	904	907	1h
2	889	908	891	907	882	912	882	943	887	934	908	919	912	918	903	906	2
3	886	910	891	907	886	922	909	942	886	935	912	930	910	915	903	906	3
4	895	903	886	910	883	925	900	938	890	924	910	923	910	915	900	913	4
5	893	904	881	912	884	940	885	937	891	921	911	927	909	912	898	912	5
6	885	903	885	910	885	937	882	944	891	921	906	930	908	911	896	910	6
7	879	904	889	908	883	925	879	931	892	919	910	923	910	915	897	908	7
8	878	905	893	903	884	939	883	943	889	929	913	933	889	883	888	891	8
9	872	919	885	906	881	947	885	937	894	931	913	933	923	915	895	895	9
10	864	924	872	941	876	958	879	952	913	932	917	941	943	900	889	855	10
11	862	938	872	941	873	965	887	966	914	935	919	946	952	900	893	905	11
Noon	848	934	867	950	872	967	889	955	914	934	918	944	952	911	892	897	Noon
13h	852	948	871	944	875	961	888	959	918	927	920	948	958	900	915	890	13h
14	839	961	862	938	875	960	900	957	925	938	926	940	939	900	911	895	14
15	842	939	865	935	876	958	892	940	926	926	930	930	900	890	912	895	15
16	848	952	861	939	878	953	883	943	922	933	915	937	909	893	910	893	16
17	857	943	868	932	883	942	885	938	918	927	910	923	906	896	879	900	17
18	856	944	885	915	883	941	887	934	911	927	916	916	909	893	881	904	18
19	866	934	890	910	886	935	887	934	909	922	907	915	911	900	875	905	19
20	870	930	895	905	889	929	886	934	905	926	908	918	909	909	878	905	20
21	865	923	892	908	888	930	887	932	907	916	915	923	905	907	875	910	21
22	859	928	892	908	878	953	889	929	906	927	911	917	903	908	877	905	22
23	873	918	892	903	879	950	888	930	906	930	907	916	904	910	894	901	23

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

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

MAY 1927.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	888	905	893	904	875	925	886	936	900	914	911	889	878	914	882	908	Midnight
1h	880	904	895	905	876	924	877	934	909	909	908	892	887	909	889	905	1h
2	883	903	895	905	866	934	882	918	895	912	913	887	887	909	876	905	2
3	891	902	895	903	871	929	878	922	896	910	910	890	888	909	879	904	3
4	893	901	894	906	869	931	900	918	893	917	908	892	885	910	885	903	4
5	891	902	890	907	868	921	900	927	894	914	906	894	888	909	874	905	5
6	891	904	885	910	880	920	889	927	897	907	907	890	888	909	879	909	6
7	883	903	884	907	875	925	890	923	896	910	892	892	889	908	876	910	7
8	866	923	876	936	886	921	905	922	898	906	895	895	895	903	891	907	8
9	861	939	893	936	886	935	907	934	903	908	896	896	895	903	887	913	9
10	859	941	882	944	883	941	909	946	905	905	889	889	904	910	889	928	10
11	846	936	878	953	874	964	911	955	917	911	900	985	903	894	881	928	11
Noon	843	937	881	946	876	958	909	944	914	906	915	885	907	868	875	937	Noon
13h	864	936	879	952	875	959	918	945	916	907	916	884	911	889	877	934	13h
14	855	930	878	952	877	955	917	941	921	891	908	880	915	877	879	932	14
15	848	934	879	950	870	945	909	942	913	887	892	880	917	893	879	931	15
16	846	936	874	940	882	943	900	927	908	892	897	883	900	880	882	918	16
17	866	923	880	930	884	939	900	927	904	896	891	913	892	889	880	920	17
18	872	919	884	924	883	926	900	912	904	896	893	909	889	917	883	911	18
19	866	914	877	934	885	924	900	911	907	893	893	910	879	914	886	910	19
20	877	915	881	928	887	920	900	910	910	890	893	910	889	902	888	909	20
21	881	913	883	926	889	927	900	919	908	892	893	910	882	904	880	913	21
22	888	912	887	920	889	926	900	917	911	889	892	911	875	905	887	909	22
23	881	913	887	913	886	936	900	912	911	889	890	915	889	902	882	912	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	886	910	885	924	900	926	885	924	866	934	889	928	889	917	891	917	Midnight
1h	889	908	886	922	891	913	900	941	876	936	888	931	890	915	891	917	1h
2	891	907	884	924	890	923	900	928	877	934	883	926	892	911	890	917	2
3	895	903	886	921	878	909	900	918	882	944	887	919	890	915	891	916	3
4	893	904	887	913	886	921	883	917	862	938	891	922	885	915	891	916	4
5	894	904	888	909	889	911	878	914	858	942	889	926	884	916	889	916	5
6	891	907	883	911	892	908	888	919	869	921	889	926	894	906	889	916	6
7	894	904	887	909	897	906	889	917	884	911	892	918	896	904	889	914	7
8	881	912	885	910	890	914	876	936	863	925	875	925	869	931	886	919	8
9	866	934	869	931	890	948	867	949	848	935	883	942	879	931	886	928	9
10	859	941	866	951	884	939	867	949	849	951	879	951	883	942	885	934	10
11	850	933	873	965	875	959	864	954	843	957	872	968	882	945	883	941	11
Noon	857	943	877	955	890	950	866	952	852	948	866	934	874	962	885	937	Noon
13h	859	941	880	949	889	956	873	965	844	956	877	956	881	947	888	939	13h
14	856	944	859	941	889	954	870	945	862	957	889	955	883	943	887	935	13
15	853	947	861	939	889	956	879	950	863	957	878	953	870	945	885	932	14
16	857	929	871	929	890	948	880	920	880	948	882	943	884	939	886	928	15
17	860	926	888	912	891	943	876	936	886	936	889	929	879	931	887	925	16
18	871	919	892	908	889	928	878	932	877	935	889	926	896	907	889	920	17
19	879	914	889	911	903	915	882	927	880	930	893	915	893	909	890	917	18
20	873	918	889	911	900	924	886	921	874	939	895	912	889	911	890	917	19
21	873	918	889	911	893	917	881	928	876	936	890	923	893	905	889	917	20
22	883	917	881	919	891	921	883	926	886	936	887	919	886	910	889	917	21
23	882	918	889	929	889	929	875	937	883	941	882	927	889	908	889	919	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during MAY 1927.

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

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

Hour \ Day	17d.		18d.		19d.		20d.		21d. *		22d. *		23d. *		24d.		25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Velocity
Midnight	30	1·3	29	0·8	28	3·6	26	3·9	24	1·4	12	1·6	29	2·6	30	2·0	29	1·7	27	2·8	24	2·6	27	2·8	28	4·8	26	3·0	27	2·0	2·2
1h	31	2·0	28	0·7	28	3·4	27	4·1	20	1·3	12	1·2	29	1·6	30	1·2	29	1·4	27	2·6	27	1·6	24	4·1	27	4·4	26	3·3	27	1·8	2·2
2	31	1·7	28	0·7	28	4·8	28	3·6	26	1·3	12	1·8	29	1·6	31	2·5	29	1·1	27	2·9	26	2·5	24	2·8	27	4·1	27	3·1	27	1·4	2·2
3	31	0·9	29	0·6	28	4·1	28	3·2	26	1·1	12	1·4	29	1·5	31	2·1	29	0·6	27	2·5	30	2·4	24	1·8	26	4·8	27	2·3	27	1·8	2·1
4	31	0·7	28	0·9	28	4·4	24	1·8	26	1·9	12	1·1	29	1·8	31	1·5	29	0·8	28	1·8	27	2·5	28	2·4	28	5·4	26	2·4	28	2·2	2·1
5	31	0·9	29	1·2	29	3·8	24	2·7	26	1·5	12	0·8	29	1·5	31	2·7	29	0·7	29	1·5	28	1·6	29	2·6	28	6·0	26	2·8	28	2·3	2·1
6	30	1·0	30	1·8	28	2·9	26	2·9	26	0·8	11	1·2	29	1·5	30	2·3	29	1·1	29	2·0	28	1·2	27	2·2	29	3·7	26	2·8	28	0·9	2·1
7	31	1·7	30	1·8	28	3·5	26	2·5	26	1·1	4	1·1	29	1·4	30	2·6	29	0·7	29	1·6	26	0·7	27	2·0	29	1·9	26	2·0	28	0·6	2·0
8	29	4·1	27	4·4	27	2·5	23	2·3	26	0·6	4	0·7	29	0·6	29	1·1	29	2·2	29	1·8	27	1·7	27	4·4	29	4·5	28	3·6	28	4·4	2·7
9	28	5·5	25	3·7	26	3·8	23	3·5	22	0·9	4	0·6	29	0·6	28	1·8	28	4·9	28	4·4	25	4·9	27	5·9	29	6·3	26	4·5	27	3·7	3·5
10	28	5·8	26	4·8	26	4·4	23	4·7	20	0·7	4	1·5	22	1·1	26	3·0	28	5·8	27	6·1	26	4·2	27	5·9	28	7·2	26	5·5	26	4·5	4·2
11	29	6·5	26	5·8	26	6·9	23	5·6	19	2·0	8	1·5	r 10	0·7	27	3·4	29	6·0	26	7·0	26	6·4	27	6·5	28	8·0	26	7·4	26	4·9	5·1
Noon	29	6·8	26	5·0	26	6·3	23	4·5	18	1·5	12	2·2	9	3·3	27	4·5	28	6·1	27	6·0	25	5·1	27	6·2	28	6·9	28	4·9	26	6·7	4·9
13h	28	5·2	26	5·6	26	6·4	22	4·9	18	1·8	13	2·3	12	1·6	27	4·1	28	5·9	26	5·3	25	5·7	26	7·0	28	7·9	26	6·1	26	5·1	4·9
14	29	5·4	26	5·7	26	6·0	22	4·4	14	2·3	10	2·2	11	2·7	27	3·8	28	6·3	28	5·8	25	5·5	27	5·4	27	6·9	25	5·6	26	4·6	4·8
15	29	6·2	26	5·4	27	5·4	23	4·3	12	1·9	6	2·2	14	1·9	27	3·7	28	6·7	28	5·5	25	5·7	26	5·4	27	6·8	26	5·8	27	5·4	4·5
16	29	6·5	27	4·8	26	4·7	24	3·7	12	1·1	7	1·7	8	2·0	28	2·5	29	5·2	28	4·2	25	4·9	28	2·8	26	5·2	26	4·7	26	4·2	3·9
17	29	4·1	27	3·6	26	4·2	24	2·7	12	0·6	r 27	1·6	6	2·2	28	2·9	29	4·8	28	1·7	25	4·4	27	4·4	26	3·9	26	3·1	27	3·7	3·3
18	29	3·4	27	2·9	27	3·1	24	1·2	12	0·6	27	1·1	r 27	2·0	29	2·0	29	3·5	28	1·1	26	3·0	27	3·9	27	4·2	26	2·8	27	0·8	2·6
19	30	3·7	27	4·1	27	2·8	24	1·1	12	1·0	27	1·2	29	2·5	29	1·7	29	2·5	28	1·6	23	1·5	27	3·3	27	3·6	26	1·7	27	1·1	2·3
20	29	2·7	27	3·4	27	2·4	24	1·0	12	1·4	27	1·2	31	1·1	29	1·5	29	3·3	28	1·5	24	2·4	27	2·5	27	4·7	26	1·3	28	1·6	2·2
21	29	2·3	27	3·1	26	2·9	24	1·9	12	1·1	27	1·2	31	1·8	29	2·4	29	3·2	28	1·5	26	1·9	27	3·4	27	4·4	26	2·5	29	0·9	2·3
22	28	1·7	27	2·4	26	2·8	24	1·7	12	1·6	27	1·4	31	2·6	29	1·6	28	2·4	28	2·7	26	2·3	27	3·1	26	3·9	27	2·3	29	1·7	2·4
23	29	2·3	28	1·8	26	3·9	24	1·2	1	1·6	27	1·8	31	1·1	29	2.1	28	2·6	26	3·1	26	3·1	27	4·5	26	4·4	27	3·2	29	1·4	2·4

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MAY 1927.

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	...	...	...	...	mm.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	mm	mm	mm	mm
1a	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	2·0	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	0·1	...	...	...	...	...	...	...	0·7	...	...	0·1	2·4	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	3.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	5·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13b	...	...	...	2·6	...	...	...	...	...	...	...	...	...	...	...	1·7	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	4·5	...	...	5·0	...	...	...	...	...	...	...	2·0	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	7·0	...	...	...	...	0·8	...	...	2·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	0·1	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...
17	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	2.5	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART for the MONTH of MAY 1927.

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	50·8	92·5	10
	3	Belmont	50	1·84	46·7	80·8	4
	4	Poudre d'Or	20	1·34	34·0	78·2	4
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	1·93	49·0	151·1	14
	10	Mont Piton	360	2·26	57·4	129·0	12
	11	Mon Choix	700	2·07	52·6	119·9	11
	12	Antoinette	640	1·90	48·3	152·1	5
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	4·23	107·4	142·2	7
	15	Mon Songe	179	2·98	75·7	149·1	10
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	2·14	54·4	108·2	13
	19	The Observatory ...	179	2·30	58·3	83·1	11
	20	Solitude§	175	...	...	...	...
	21	St André§	90	..	...	...	...
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trébuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ ...	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E.§ ...	600	...	...	...	..
	2	Constance d'Arifat L.G.	100	3·26	82·8	140·7	8
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	5·86	148·8	197·6	20
	5	Constance (Manès)§ ...	..	...	...	...	...
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	3·73	94·7	...	11
	10	St. Julien E(K.Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	7·92	201·2	182·4	15
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	7·18	182·4	...	25
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	..	...	...	...

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill	No. days
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate* ...	...	5·21	132·3	...	9
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	9·31	236·5	361·7	29
	2	Tivoli*	1,300	8·58	217·9	...	14
	3	La Flora*	1,050	6·37	161·8	...	19
	4	Britannia§	730	...	...	...	...
	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	7·54	191·5	...	15
	10	Terracine§	1000	...	...	...	...
	11	St. Félix S·E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	3·51	89·2	...	13
	15	Fontenelle*	...	3·61	93·2	...	7
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre§	40	...	...	...	...
	3	Beau Champ§	...	...	...	...	...
	4	Board§	...	...	...	...	...
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	7·20	182·9	205·5	30
	3	Mare aux Vacoas ...	1,850	10·00	254·0	136·7	25
	4	La Marie Filter Bed ...	1,700	6·96	176·8	162·8	22
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse§	850	...	...	...	...
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands§	1,300	...	...	...	...
	7	Trianon	950	2·20	55·9	95·2	11
	8	Salency§	923	...	...	...	...
	9	La Ferme*	950	2·57	65·3	...	6
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,000	3·38	85·8	94·2	17
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	..	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or	...	3·90	99·1	...	14
	17	Mon Repos§	...	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	2·11	53·5	...	3

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of MAY 1927

Day \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulu		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dr.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
	h		°		°		°		°		°			h		°		°		°		°		°		°
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	...	...	300	5·9*	...	...	...	...	...	...	...	...
4	..	...	...	...	...	...	...	...	...	...	...	...	...	12¼	...	...	285	8·5	...	...	...	...	...	...	...	...
5	..	...	...	...	...	...	...	...	...	...	...	...	...	12¼	...	...	300	5·8*	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..
7	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	8¾	...	...	330	3·5	...	...	...	...	...	...	...	...	13¾	...	...	300	3·2*	...	...	...	...	...	...	...	...
10	9¼	...	...	300	9·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	...	..	270	4·4*	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	..	...	...	...	...	14	...	...	240	7·1	...	...	...	...	...	...	...	...
14	...	...	...	..	...	...	...	...	...	...	...	...	...	13	...	...	360	5·7*	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	.	.	...	...	...	...	13¼	360	14·9	...	...	...	...	...	...	...	...	...	...
17	9¼	...	...	345	19·3	...	...	...	...	...	...	...	...	13½	...	.	330	10.3	...	...	...	...	...	..	...	...
18	...	...	...	..	...	...	...	...	...	...	...	...	...	13	...	...	300	16·1*	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	..	...	...	...	...	15¼	285	14·5	...	...	...	...	...	...	...	...	...	...
20	..	...	...	...	...	...	...	...	...	...	...	...	...	12¾	...	...	255	9·2	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	..	...	...	...	...	...	13¼	...	...	150	6·6*	...	...	...	...	...	...	...	...
22	11¼	...	...	150	3·3	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	14	...	...	150	2·7	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	..	...	...	...	14¼	...	...	300	7·4*	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	12¼	...	...	315	2·9*	...	...	...	...	...	...	...	...
27	11½	...	...	300	13·5	...	...	...	...	...	...	...	...	14¾	...	...	300	6·4*	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	13¼	...	...	300	5·8*	...	...	...	...	...	...	...	...
29	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	...	...	300	6·8*	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...		...	...	...	...	...	14½	...	..	310	12·3	...	...	...	...	...	...	...	...

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

* From the Observatory Pamplemousses.

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JUNE 1927

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DIRECTOR.

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of JUNE 1927.

Month and Day. 1927	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.) K*†	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
	° ′				Unit 1 γ	
1	11 31·7	·22805	·00027	3·2	35	26
2	31·6	804	29	6·4	36	24
3	31·8	799	29	6·0	30	19
4	32·2	803	30	4·4	30	22
5	32·2	—	28	6·0	—	25
6	32·2	789	30	3·4	54	16
7	31·9	797	29	5·8	26	21
8	32·0	804	28	5·2	35	16
9	32·1	—	32	4·4	—	15
10	32·0	800	31	6·0	24	18
11	32.0	801	31	5·8	39	18
12	32·2	812	29	4·4	25	23
13	31·9	805	31	4·2	17	15
14	32·0	802	30	4·2	11	22
15	32.3	806	28	4·0	24	25
16	32·3	810	30	3·6	38	14
17	31·6	801	28	4·2	42	23
18	31·8	801	30	4·8	39	12
19	32·4	796	28	4·0	20	17
20	32·2	802	—	5·8	19	—
21	32·5	805	—	3·4	25	—
22	32·1	812	27	3·8	36	10
23	31·7	812	30	4·0	44	8
24	32·2	800	28	6·8	41	17
25	32·3	797	26	3·8	30	20
26	32·4	809	25	7·2	72	31
27	31·6	777	28	6·0	49	20
28	31·7	769	30	5·8	17	21
29	31·4	779	26	5·8	17	26
30	32·0	787	26	3·8	29	25
...	...	...	...	...	...	...
Mean	11 32·01	·22799	·00029	4·87	32·3	19·(

Description of the Principal Magnetic Disturbance

The month was very quiet and no noteworthy disturbances occurred.
Pulsations of Vertical Force were conspicuous on
5^d 0^h and 2^h.
6^d 11^h.
29^d 1^h–2^h.

T=* : Mean Dip=θ=* (X=·22339: Y=−·04558 :Z=*).
† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of JUNE 1927

NO OBSERVATIONS MADE

* See note at foot of Table V.

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

JUNE 1927.

Hour. / Day.	1d.	2.	3.	4d.	5d.	6d.	7d.	8.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	11° +																
Midnight	31·8	32·0	32·2	32·0	32·2	32·2	32·2	32·8	32·4	32·8	32·2	33·0	32·2	32·2	31·8	31·8	Midnight
1h	31·8	30·2	32·0	31·8	31·8	32·0	32·0	32·4	32·4	33·0	32·2	33·2	32·2	32·4	31·8	31·8	1h
2	32·0	32·0	32·0	31·6	31·8	32·2	31·8	32·4	32·2	33·0	32·2	32·8	32·4	32·2	32·0	31·6	2
3	32·2	32·2	32·2	31·6	31·8	31·8	31·0	32·2	32·4	32·8	32·4	33·8	32·2	31·6	31·8	32·4	3
4	32·2	32·2	32·0	31·8	31·8	32·6	31·8	32·0	32·4	32·2	32·0	32·2	32·2	31·8	32·0	32·4	4
5	32·2	32·2	32·0	31·8	31·8	31·8	31·8	32·0	32·0	32·2	31·8	32·0	32·2	31·8	32·2	32·4	5
6	31·6	31·6	32·2	31·8	31·8	32·2	32·0	31·8	32·0	32·0	32·0	32·0	32·2	32·2	32·0	32·4	6
7	30·4	31·2	30·0	31·0	31·4	29·8	30·8	30·4	31·4	31·6	32·0	31·4	31·8	32·0	31·0	31·2	7
8	30·8	31·8	31·0	31·4	32·0	31·6	31·6	31·8	32·0	32·0	32·8	31·0	31·8	32·2	31·0	30·4	8
9	32·0	33·0	32·4	32·4	34·0	32·2	32·4	32·8	33·6	34·0	34·2	32·8	32·0	33·6	32·8	32·0	9
10	32·2	34·0	33·0	34·0	34·2	32·4	33·6	34·0	33·8	34·2	34·2	33·0	32·0	34·0	34·0	33·2	10
11	32·6	33·2	34·0	34·2	33·0	32·4	34·2	34·2	34·2	34·2	34·0	34·0	32·0	33·6	34·0	33·8	11
Noon	32·6	32·0	33·4	33·8	34·0	32·0	34·4	33·8	34·0	33·4	32·4	33·8	31·4	32·0	34·0	34·0	Noon
13h	32·4	28·8	31·0	32·4	32·8	31·0	32·2	32·8	33·0	32·0	32·0	32·0	31·0	31·0	32·4	32·6	13h
14	31·2	28·0	29·0	30·4	32·0	30·4	30·0	31·4	31·0	30·0	30·2	31·0	29·4	30·0	30·4	32·0	14
15	29·4	27·6	28·0	29·8	28·2	30·2	28·6	29·6	30·0	28·2	28·4	29·8	29·0	29·8	30·0	31·0	15
16	30·0	28·6	28·8	30·0	29·4	30·2	28·6	29·0	29·8	28·8	29·6	29·6	30·0	30·0	30·0	30·6	16
17	31·0	32·0	31·6	32·0	31·8	31·4	30·6	30·2	30·2	30·0	30·4	31·0	31·8	31·8	32·2	32·2	17
18	32·2	32·8	32·2	32·8	32·2	32·2	32·0	31·8	31·6	32·0	32·0	32·0	33·0	32·2	33·4	32·8	18
19	32·4	33·0	32·8	33·4	32·4	32·4	32·4	32·0	32·0	32·0	32·0	33·6	33·2	32·2	33·6	33·4	19
20	32·4	33·0	32·8	33·6	33·2	33·2	32·8	32·0	32·0	32·0	32·0	32·4	33·0	32·2	33·6	33·4	20
21	32·2	32·6	32·8	33·6	33·4	33·0	32·8	32·2	32·2	32·0	32·6	32·4	33·0	32·6	33·2	33·0	21
22	32·0	32·4	32·6	33·0	33·6	32·6	32·6	32·2	32·4	32·0	32·6	32·6	32·4	32·2	33·0	32·8	22
23	31·8	32·2	32·2	33·4	32·6	32·2	32·6	32·2	32·2	32·2	32·2	33·0	32·0	31·8	32·8	32·2	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour
	11° +																
Midnight	32·0	32·0	32·0	32·8	32·2	32·2	32·0	32·2	32·4	32·0	32·6	32·4	32·0	32·2	...	32·2	Midnight
1h	31·9	32·0	32·0	32·4	32·0	32·0	31·6	32·0	32·2	32·0	31·0	32·4	32·0	32·2	...	32·0	1h
2	31·8	31·8	32·0	32·0	32·0	31·8	31·2	31·6	32·2	31·6	31·8	32·6	30·4	32·0	...	32·0	2
3	31·8	31·6	31·8	32·0	31.8	31·6	31·0	31·6	32·0	31·6	32·2	32·4	31·8	32·2	...	32·0	3
4	31·8	31·6	32·2	32·0	32·0	31·2	31·0	31·6	32·0	31·4	31·6	32·2	31·8	32·0	...	31·9	4
5	31·8	31·2	32·2	32·2	32·2	31·0	31·0	31·8	32·0	31·6	31·8	32·0	32·0	32·0	...	31·9	5
6	31·6	31·0	32·4	32·0	32·0	31·0	31·0	32·0	32·0	31·8	31·2	32·0	31·8	32·0	...	31·9	6
7	31·2	29·0	32·4	31·8	31·8	30·0	30·0	31·4	31·4	30·8	29·6	31·2	30·4	30·4	...	31·0	7
8	31·2	30·0	33·6	32·0	32·0	30·0	30·0	32·0	31·6	31·6	28·0	32·0	31·0	30·2	...	31·3	8
9	32·0	32·0	34·0	33·6	33·4	32·0	31·2	32·6	33·4	33·8	29·0	33·0	32·6	31·2	...	32·7	9
10	32·6	33·8	34·2	34·8	33·8	33·8	32·4	33·8	34·2	36·0	32·0	34·0	33·4	32·2	...	33·6	10
11	33·0	33·8	34·2	34·0	34·0	34·0	33·6	34·6	34·2	36·2	32·2	33·0	33·6	34·0	...	33·7	11
Noon	32·4	33·2	33·0	33·0	34·0	34·2	34·0	35·8	34·2	35·8	34.0	31·2	32·5	34·0	...	33·4	Noon
13h	30·2	32·0	31·0	32·0	33·8	34·0	33·0	33·8	33·2	33·4	32·0	28·2	30·4	32·8	...	32·0	13h
14	29·4	30·6	30·4	30·0	32·0	34·0	32·0	32.0	32·2	32·0	31·0	28·4	28·4	32·0	...	30·7	14
15	28·8	30·0	30·2	29·0	30·8	32·4	30·2	30·0	30·4	29·0	29·0	29·0	27·8	30·2	...	29·5	15
16	30·0	30·4	30·2	29·4	30·6	30·4	30·4	29·0	30·4	30·0	30·0	29·8	28·4	31·0	...	29·8	16
17	31·8	32·0	32·0	32·0	31·8	31·0	31·0	30·8	31·4	31·8	32·0	31·0	31·0	31·8	...	31·4	17
18	32·4	32·4	33·0	32·8	32·4	32·0	32·0	32·0	32·2	32·2	33·2	32·2	32·2	32·2	...	32·3	18
19	32·4	33·0	33·0	33·0	33·0	33·0	32·4	32·2	32·4	32·4	33·6	32·4	32·2	32·4	...	32·7	19
20	32·2	33·0	32·8	33·0	33·2	32·8	32·6	32·2	32·4	32·2	32·6	32·4	32·2	32·4	...	32·7	20
21	32·2	32·4	32·8	33·0	33·4	32·4	32·6	32·4	32·4	33·0	32·6	32·2	32·2	32·6	...	32·7	21
22	32·0	32·4	32·6	32·6	33·2	32·4	32·4	32·2	32·2	32·8	32·4	32·0	32·0	32·6	...	32·5	22
23	31·8	32·2	32·2	32·2	32·4	32·2	32·2	32·0	32·0	32·4	32·2	32·0	32·0	32·4	...	32·3	23

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

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

JUNE 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	·22000 + (C.G.S. UNIT).																
Midnight	791	786	795	800	790	760	783	796	800	790	800	803	807	800	800	800	Midnight
1h	798	813	800	800	...	767	785	799	801	788	800	803	802	801	802	798	1h
2	803	800	798	800	...	770	790	798	800	790	801	808	809	801	802	798	2
3	800	801	799	803	...	772	791	800	800	793	803	808	807	805	801	802	3
4	800	801	804	803	...	777	794	800	...	800	807	818	810	805	802	801	4
5	801	800	809	807	...	784	796	807	...	801	813	819	810	805	803	803	5
6	800	800	807	806	...	789	800	807	..	800	811	819	809	802	803	808	6
7	804	807	806	809	...	791	804	812	...	800	819	821	809	808	807	809	7
8	805	812	807	810	...	791	808	818	...	810	820	821	809	807	810	814	8
9	812	822	807	815	...	802	809	820	...	812	815	825	805	803	811	821	9
10	820	821	808	812	...	807	808	820	...	810	813	820	807	803	810	826	10
11	822	820	810	819	...	814	805	820	...	812	813	819	806	809	816	836	11
Noon	826	820	803	820	..	812	804	816	...	810	809	813	810	805	814	832	Noon
13h	819	812	806	820	...	809	807	809	...	811	807	802	810	798	824	832	13h
14	806	800	790	810	...	800	802	800	...	806	800	800	810	799	820	821	14
15	800	801	780	802	...	790	799	795	...	800	792	803	801	798	809	813	15
16	793	820	789	800	...	781	799	785	780	790	782	805	800	800	802	809	16
17	792	812	793	793	...	780	791	792	790	790	790	810	800	801	805	805	17
18	801	800	799	792	770	785	788	798	797	789	781	812	801	800	803	803	18
19	803	793	799	792	759	788	790	800	801	800	787	815	800	800	803	803	19
20	805	789	791	793	760	785	796	800	800	790	789	811	799	800	801	800	20
21	809	788	798	792	761	787	791	800	799	800	789	811	793	800	801	800	21
22	810	790	792	790	766	788	790	800	797	800	792	810	799	799	800	800	22
23	803	794	792	790	760	785	789	800	794	799	800	810	799	799	800	800	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Hour \ Day
	·22000 + (C.G.S. UNIT).																
Midnight	800	781	790	795	802	805	801	800	787	793	780	765	773	770	...	791·2	Midnight
1h	801	785	790	796	802	806	805	801	790	799	790	767	775	771	...	794·1	1h
2	802	789	792	795	802	812	810	802	794	800	809	760	787	774	...	796·5	2
3	804	791	791	793	803	811	812	802	798	802	789	768	780	775	...	796·6	3
4	804	795	790	799	801	811	814	803	801	803	781	770	780	775	...	798·2	4
5	806	799	791	800	801	817	819	809	801	809	781	771	780	777	...	800·7	5
6	805	800	791	801	801	817	820	810	802	810	781	773	781	778	...	801·1	6
7	809	803	791	804	804	821	825	818	800	819	782	778	786	781	...	804·5	7
8	810	812	792	808	809	830	831	821	803	828	788	775	783	789	...	807·9	8
9	809	818	790	806	809	832	837	821	801	831	790	765	779	790	...	809·2	9
10	813	819	799	805	810	836	840	819	803	831	798	760	777	793	...	810·3	10
11	815	820	801	806	811	832	829	816	809	830	798	768	780	795	...	811·8	11
Noon	822	814	807	811	815	831	818	814	815	843	780	768	785	792	...	811·0	Noon
13	821	820	810	811	819	820	817	811	814	850	780	769	785	795	...	810·3	13h
14	813	819	805	800	810	806	804	801	809	840	771	766	785	798	...	803·3	14
15	805	803	798	792	802	801	800	798	800	815	770	761	781	799	...	796·7	15
16	792	792	792	795	800	800	796	790	792	812	765	761	779	795	...	793·4	16
17	789	792	791	800	794	801	800	780	788	811	760	768	778	793	...	792·8	17
18	792	795	798	803	800	807	803	780	788	800	761	770	777	790	...	793·4	18
19	788	796	799	805	801	801	805	780	787	778	760	770	772	798	...	793·3	19
20	782	798	798	806	803	801	805	780	785	780	760	771	771	787	...	792·0	20
21	781	796	799	807	805	801	802	784	788	782	763	772	773	783	...	792·7	21
22	780	795	799	807	804	800	801	786	788	781	765	772	772	782	...	792·6	22
23	781	794	799	807	805	802	799	786	789	781	765	772	770	790	...	792·9	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*).

JUNE 1927.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	K + (10—4 C.G.S. UNIT.)																
Midnight	32	32	34	32	32	34	32	33	32	33	32	32	32	32	32	30	Midnight
1h	31	30	32	32	32	34	33	33	33	33	31	32	32	32	32	30	1h
2	31	31	31	31	32	35	33	33	34	33	32	32	32	31	32	30	2
3	30	31	32	30	31	32	33	33	35	33	32	34	32	30	32	30	3
4	30	31	31	30	30	34	33	33	34	33	32	34	33	31	32	31	4
5	31	31	30	30	30	33	33	33	33	34	32	33	34	32	33	31	5
6	31	32	30	30	29	33	33	32	32	33	33	33	34	33	33	32	6
7	30	30	27	29	27	31	32	30	30	32	32	31	33	32	32	28	7
8	31	32	29	30	29	32	33	29	31	32	33	31	35	35	31	30	8
9	37	36	32	36	30	33	34	29	35	35	35	32	37	38	35	32	9
10	34	34	36	39	32	32	33	28	38	32	32	31	35	37	34	32	10
11	23	29	30	35	30	29	31	23	38	29	27	29	30	31	32	33	11
Noon	21	23	25	30	27	24	27	22	34	27	22	21	25	23	27	29	Noon
13h	19	17	19	23	21	21	19	18	25	23	20	13	25	17	13	21	13h
14	11	12	17	18	17	19	13	17	23	19	19	14	23	16	10	19	14
15	12	14	18	17	10	19	14	19	23	17	22	16	22	16	10	21	15
16	17	20	20	21	13	23	20	21	27	21	27	20	26	22	15	27	16
17	23	27	26	28	21	30	27	26	30	29	32	28	30	30	22	31	17
18	29	30	30	31	28	32	31	31	32	35	36	32	34	34	29	32	18
19	31	32	31	32	30	33	32	32	33	35	36	36	35	35	30	33	19
20	32	33	32	32	32	33	32	32	32	35	35	35	35	35	31	33	20
21	32	34	34	32	33	32	32	32	33	34	37	34	35	37	31	33	21
22	30	36	34	33	34	32	33	32	33	33	35	32	33	36	31	33	22
23	31	34	33	32	35	32	33	32	33	33	34	32	32	33	31	32	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
	K + (10—4 C.G.S. UNIT.)																
Midnight	32	33	33	32		30	30	30	28	27	29	30	30	31	...	31·4	Midnight
1h	32	32	33	32		30	31	30	28	27	28	29	29	30	...	31·1	1h
2	31	31	32	31		30	30	30	28	27	27	29	28	29	...	30·9	2
3	30	31	31	30		30	31	31	29	28	28	30	28	29	...	30·9	3
4	30	31	31	30		30	31	31	29	30	29	30	30	29	...	31·2	4
5	30	30	31	30		29	31	31	30	30	30	30	30	30	...	31·3	5
6	31	30	30	29		29	30	32	30	30	31	31	31	30	...	31·4	6
7	30	27	31	28		25	29	30	29	29	29	31	30	29	...	29·8	7
8	30	28	32	29		23	28	30	30	28	27	33	31	30	...	30·5	8
9	31	31	32	29	31	26	30	30	32	31	30	37	32	33	...	32·9	9
10	33	33	31		31	27	29	29	32	32	33	36	32	36	...	32·9	10
11	29	32	29		29	27	29	28	27	29	33	28	27	28	...	29·5	11
Noon	22	32	22		27	27	31	23	22	23	31	19	17	21	...	24·9	Noon
13h	12	26	16		22	23	28	18	16	11	21	17	9	13	...	18·7	13h
14	13	24	17		16	23	27	15	12	7	13	16	7	11	...	16·1	14
15	16	23	17		15	20	27	18	12	1	17	21	9	11	...	16·5	15
16	21	25	18		19	20	25	20	17	12	19	27	15	16	...	20·5	16
17	28	29	22		25	26	30	26	24	18	25	32	25	21	...	26·6	17
18	30	31	28		29	29	33	32	29	26	32	35	31	26	...	31·0	18
19	31	32	29		29	30	32	32	30	30	32	35	32	28	...	32·1	19
20	22	33	30		30	30	32	32	30	31	32	35	33	29	...	32·1	20
21	34	34	31		30	30	31	30	30	31	32	34	33	31	...	32·7	21
22	35	35	32		30	30	30	29	29	31	31	33	32	30	...	32·4	22
23	34	34	32		30	30	30	29	28	30	30	32	32	29	...	31·9	23

* Absolute values cannot be allotted. The figures are consistent apart from instrumental drift throughout the month, but discontinuities may occur between successive months. These will be noted

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of JUNE 1927.

Month and Day 1927	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	Amoun of Rain measured at 10 a. m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees*	Wind. Velocity.	Highest.	Lowest.	Range				
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	969·5	...	...	...	...	...	280	2·3		...		...	...	8·8	90
2	970·5	19·3	2·1	15·5	78	17·4	290	6·2		14·3		1·0	2·8	10·3	94
3	970·3	18·9	2·2	14·9	78	16·8	290	0·6		13·6		3·2	0·2	7·6	70
4	968·0	19·4	2·4	15·1	76	17·0	...	Calm		13·9		1·6	0·0	10·8	99
5	969·7	19·2	2·5	14·7	75	16·6	290	0·1		12·9		2·7	0·0	10·4	95
6	971·4	20·2	2·6	15·6	75	17·6	280	0·9		12·3		2·3	0·0	10·8	99
7	973·5	19·5	2·2	15·5	78	17·4	280	4·5		11·9		5·5	0·0	9·4	86
8	974·9	18·9	1·3	16·5	86	18·6	290	5·3		16·0		7·7	6·5	6·5	60
9	973·5	18·6	1·4	16·0	85	18·0	280	5·8		15·3		9·5	0·9	2·7	25
10	973·7	17·1	0·3	16·5	96	18·6	280	4·9		15·1		8·6	4·7	3·5	32
11	973·1	18·9	1·6	16·0	83	18·0	280	5·6		14·1		8·6	0·3	3·9	36
12	971·6	18·2	1·0	16·4	89	18·5	270	5·6		15·7		4·6	4·6	7·2	66
13	972·1	19·7	1·8	16·4	81	18·5	280	0·9		13·2		3·0	0·2	7·7	71
14	971·1	18·4	0·5	17·5	94	19·8	280	4·7		15·0		6·0	3·0	7·5	69
15	971·2	19·5	1·1	17·5	88	19·8	250	0·9		15·7		5·3	1·5	8·1	74
16	973·1	19·9	0·5	19·0	95	21·8	250	0·5		16·4		3·6	2·4	7·7	71
17	973·3	20·5	1·1	18·5	88	21·1	...	Calm		16·4		7·2	0·2	1·5	14
18	972·3	18·2	1·1	16·2	88	18·2	300	4·9		15·3		2·5	17·2	9·3	85
19	972·5	20·2	2·4	15·9	76	17·9	300	1·3		13·2		4·1	0·0	7·5	69
20	973·1	18·1	2·3	13·9	76	15·7	280	0·9		9·8		4·3	0·0	6·8	62
21	974·2	18·9	2·7	14·0	73	15·8	290	1·8		10·8		2·3	0·0	9·9	91
22	974·3	18·6	1·2	16·4	87	18·5	270	5·4		13·8		6·0	0·0	7·9	73
23	972·5	20·1	0·9	18·5	91	21·1	260	5·8		15·6		6·5	0·5	6·6	61
24	972·9	19·7	3·3	13·7	68	15·5	250	2·2		16.6		4·7	2.0	9·3	85
25	971·9	20·2	1·4	17·7	86	20·1	250	1·3		15·2		3·7	0·5	9·6	88
26	973·9	19·2	0·7	17·9	92	20·3	280	7·6		16·9		4·4	3·5	7·8	72
27	973·8	19·5	1·1	17·5	88	19·8	270	1·8		15·6		5·5	0·6	5·2	48
28	972·5	18·2	0·3	17·7	97	20·1	260	4·5		16·6		5.7	3·4	4·6	42
29	972·8	18·2	0·6	17·1	93	19·3	260	5·8		14·9		4·0	1·0	3·6	33
30	973·7	18·0	0·2	17·6	97	19·9	270	2·7		15·6		3·3	3·2	5·2	48
...	...	...	...	...	...	...	...	...		...		...	...	...	...
Mean	972·3	19·0	1·2	16·4	84·7	18·5	278·6°	3·3		14·5		4·7	Sum 59·2	7·26	66·9
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Thermometer broken

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

Mean of the month at 10 a.m.

Atmospheric Pressure	+ 42·1 mbs
Temperature of the Air	+ 3·3°C
Vapour Tension	— 0·5 mbs
Relative Humidity	—17·2%
Direction of Wind	2.7°S
Velocity of Wind	+ 1·1 m.p.s.
Amount of cloud	— 0.2

Amount of rain	—23·8 m.m.
Duration of sunshine	+ 18·1 hrs
Mean of highest temperatures	...
Mean of lowest temperatures	+ 2·0°C
Absolute highest temperature	...
Absolute lowest temperature	+ 1·1°C

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

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1927.

Month and Day 1927.	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	Elasti 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=10).
	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1010·4	− 0·8	23·8	16·4	7·4	19·9	− 1·4	2·8	14·9	− 2·2	73	− 4	16·8	13·0	0·0	...	4·2	1·9
2	1011·4	+ 0·1	23·9	16·6	7·3	19·8	− 1·4	3·1	14·3	− 2·7	71	− 6	16·2	10·8	0·0	...	4·0	1·7
3	1011·1	− 0·3	23·9	14·7	9·2	19·2	− 2·0	3·0	13·8	− 3·1	71	− 6	15·6	7·8	0·2	5	5·2	2·9
4	1009·4	− 2·1	23·7	13·3	10·4	18·2	− 2·9	2·1	14·4	− 2·5	79	+ 2	16·3	7·0	0·0	...	3·0	2·5
5	1010·6	− 0·9	24·1	13·0	11·1	18·6	− 2·5	2·7	13·7	− 3·1	73	− 4	15·5	5·8	0·0	...	2·8	1·8
6	1012·7	+ 1·1	24·0	13·6	10·4	18·5	− 2·6	2·5	13·9	− 2·8	74	− 3	15·7	7·4	0·0	...	3·6	1·6
7	1014·9	+ 3·2	24·4	13·5	10·9	19·0	− 2·0	2·6	14·3	− 2·4	74	− 3	16·2	5·8	2·6	20	5·2	4·5
8	1016·0	+ 4·2	23·7	18·4	5·3	20·5	− 0·4	2·6	15·9	− 0·7	75	− 2	17·9	15·6	1·0	15	3·2	6·5
9	1014·7	+ 2·8	23·5	18·1	5·4	20·0	− 0·9	2·3	15·9	− 0·6	77	+ 1	17·9	15·5	0·6	20	3·8	5·8
10	1014·1	+ 2·1	23·0	18·1	4·9	20·3	− 0·5	2·9	15·1	− 1·3	72	− 4	17·0	14·8	0·0	...	4·0	6·2
11	1013·7	+ 1·6	23·8	18·6	5·2	20·5	− 0·2	2·6	15·9	− 0·5	75	− 1	17·9	15·6	1·2	18	4·4	7·5
12	1012·5	+ 0·3	23·7	17·1	6·6	20·0	− 0·7	2·4	15·7	− 0·6	76	0	17·7	12·2	0·8	20	3·8	5·7
13	1012·0	− 0·3	24·3	14·9	9·4	19·7	− 0·9	2·7	14·9	− 1·3	74	− 2	16·8	10·4	0·0	...	3·2	2·8
14	1010·7	− 1·7	24·7	18·3	6·4	20·7	+ 0·1	2·3	16·6	+ 0·4	77	+ 1	18·7	13·8	1·7	22	4·3	5·5
15	1011·8	− 0·6	24·9	16·9	8·0	20·8	+ 0·2	2·2	16·9	+ 0·8	78	+ 2	19·0	12·8	0·3	15	3·7	4·3
16	1013·7	+ 1·2	25·1	17·9	7·2	21·5	+ 1·0	2·0	18·0	+ 1·9	80	+ 4	20·4	15·5	0·0	...	3·0	4·0
17	1013·9	+ 1·3	25·0	17·5	7·5	20·3	− 0·2	1·2	18·2	+ 2·2	88	+ 12	20·7	13·6	13·5	150	1·7	5·0
18	1012·9	+ 0·2	23·3	15·2	8·1	19·7	− 0·7	2·8	14·7	− 1·2	73	− 3	16·6	8·1	0·0	...	4·2	3·6
19	1013·6	+ 0·8	22·7	14·4	8·3	17·7	− 2·7	2·9	12·4	− 3·5	71	− 5	14·3	7·9	0·0	...	4·0	6·3
20	1014·7	+ 1·8	22·2	14·3	7·9	17·8	− 2·6	2·7	12·9	− 3·0	73	− 3	14·8	6·2	0·0	...	2·5	5·2
21	1015·4	+ 2·4	23·2	13·0	10·2	18·3	− 2·0	2·9	13·0	− 2·8	72	− 4	14·9	5·8	0·0	...	3·3	3·1
22	1015·5	+ 2·4	23·9	15·7	8·2	20·0	− 0·3	2·7	15·2	− 0·6	74	− 2	17·1	8·6	0·0	...	4·0	4·2
23	1014·1	+ 0·9	24·7	18·5	6·2	21·2	+ 1·0	2·3	17·1	+ 1·3	78	+ 2	19·3	16·0	0·8	15	3·4	7·8
24	1014·1	+ 0·8	24·5	18·3	6·2	21·0	+ 0·8	2·4	16·8	+ 1·0	77	+ 1	18·9	13·9	1·0	17	3·2	5·2
25	1013·4	+ 0·1	24·7	18·1	6·6	20·8	+ 0·6	2·4	16·6	+ 0·9	77	+ 1	18·7	13·3	0·0	...	3·8	3·4
26	1014·2	+ 0·8	24·0	19·0	5·0	20·8	+ 0·7	2·1	17·1	+ 1·4	79	+ 3	19·3	14·5	4·7	73	3·7	5·0
27	1014·3	+ 0·8	24·7	17·2	7·5	20·5	+ 0·4	2·0	16·9	+ 1·2	80	+ 4	19·0	14·5	1·9	25	3·9	3·5
28	1013·3	− 0·3	23·8	19·0	4·8	20·5	+ 0·4	2·0	16·9	+ 1·2	80	+ 4	19·0	16·9	0·7	15	3·7	5·0
29	1013·9	+ 0·3	22·3	17·2	5·1	19·7	− 0·4	2·0	16·2	+ 0·5	80	+ 4	18·2	13·3	1·5	25	2·5	4·4
30	1015·0	+ 1·3	23·0	18·1	4·9	20·1	0·0	1·9	16·7	+ 1·0	81	+ 5	18·8	14·8	2·9	45	3·5	4·8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1013·3	+ 0·8	23·9	16·5	7·4	19·8	−0.8	2·4	15·5	− 0.7	76·1	− 0.2	17·5	11·7	Sum 35·4	Sum 500	3·6	4·4
Aver.	1012·5	...	24·5	17·1	7·4	20·6	...	2·5	16·2	...	76·3	...	18·2	13·5	71·0	1411	3·2	4·8
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	1

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JUNE 1927.

Pressure was above normal on 22 days during June and was 0.8 mbs above in the mean.

Temperature, Relative Humidity and Wind Velocity were more variable than usual and oscillated about normal throughout the month.

Rainfall was short all over the Island. On the whole conditions appear to have been fairly favourable for the ripening crops.

At the Observatory, rainfall was 50% below normal.

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

Northern Districts	River System 1,	65% below	Western Districts	River System 11	26% below
Eastern Districts	,, ,, 2, 3, 4,	45% ,,		,, ,, 12	46% ,,
South-Eastern Districts	,, ,, 5 & 6	51% ,,		,, ,, 13	36% ,,

27th October, 1927

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1927

Month and Day 1927.	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	6 inches	3 inches	Weather
JUNE	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	
1	10·2	93	− 2·0	+ 2·9	305	3·5	3·6	+ 0·2	25·6	25·5	24·3	22·9	21·8	22·7	b .
2	9·9	90	− 2·3	+ 2·7	310	3·5	3·6	+ 0·2	25·5	25·5	24·2	22·8	21·9	22·6	b .
3	8·6	79	− 1·5	+ 1·6	313	2·2	2·4	− 1·0	25·8	25·7	24·1	22·6	21·6	22·4	b : f : b .
4	6·5	60	− 1·0	+ 0·6	329	1·1	1·6	− 1·8	25·7	25·4	24·0	22·7	21·3	21·8	b : c : b .
5	10·1	93	− 1·5	+ 1·2	321	1·9	2·0	− 1·4	25·6	25·5	23·9	22·6	21·1	21·7	b .
6	10·3	94	− 1·8	+ 1·3	324	2·2	2·4	− 1·1	25·6	25·4	23·7	22·2	21·1	21·7	b .
7	9·7	89	− 1·2	+ 3·2	291	3·4	3·5	0·0	25·5	25·4	23·5	22·0	20·8	21·3	b : f : cp .
8	7·9	73	− 1·9	+ 3·7	297	4·1	4·2	+ 0·7	25·8	25·4	23·4	22·1	21·2	21·8	f : c .
9	7·1	65	− 1·8	+ 3·8	295	4·2	4·2	+ 0·7	25·8	25·5	23·4	22·1	21·2	21·8	f : c .
10	4·4	40	− 1·5	+ 4·1	290	4·3	4·4	+ 0·9	25·5	25·3	23·3	22·1	21·1	21·4	f : c .
11	6·3	58	− 1·0	+ 3·3	287	3·4	3·6	+ 0·1	25·7	25·5	23·3	22·1	21·2	21·9	f : cg .
12	8·6	79	− 1·2	+ 3·1	291	3·3	3·4	− 0·1	25·6	25·2	23·2	22·1	21·3	22·0	c : f : b .
13	10·5	96	− 1·2	+ 2·1	300	2·4	2·4	− 1·1	25·6	25·2	23·2	22·1	21·1	21·6	b .
14	8·1	74	− 0·2	+ 3·3	274	3·3	3·4	− 0·1	25·6	25·1	23·2	22·1	21·3	21·9	f : c : f : b .
15	9·7	89	+ 0·2	+ 2·2	265	2·2	2·3	− 1·2	25·6	25·1	23·2	22·1	21·5	22·1	b : f : b .
16	8·4	77	− 0·2	+ 2·7	274	2·7	2·8	− 0·7	25·5	24·9	23·2	22·4	21·8	22·4	b : c : f : b .
17	4·5	41	− 0·8	+ 0·6	323	1·0	1·6	− 1·9	25·6	24·9	23·2	22·7	22·1	22·2	f : c : f .
18	9·2	84	− 3·3	+ 2·5	323	4·1	4·2	+ 0·7	25·6	24·9	23·2	22·4	21·6	21·9	f : b .
19	5·6	51	− 2·0	+ 1·3	327	2·4	2·4	− 1·2	25·5	24·9	23·2	21·9	20·9	20·9	f : c : f .
20	3·4	31	− 1·1	+ 1·4	308	1·8	1·9	− 1·7	25·5	24·9	23·1	21·6	20·5	20·5	f : c : f .
21	9·0	83	− 1·5	+ 2·3	303	2·7	2·8	− 0·8	25·5	24·6	23·0	21·4	20·1	20·2	b : f : b .
22	9·0	83	− 1·1	+ 3·7	287	3·8	3·9	+ 0·3	25·5	24·7	22·8	21·1	20·3	20·7	f .
23	7·1	65	− 0·4	+ 3·5	277	3·5	3·6	0·0	25·5	24·7	22·7	21·2	20·9	21·6	c .
24	6·5	60	− 0·7	+ 2·8	284	2·9	3·0	− 0·6	25·6	24.7	22·7	21·7	21·4	21·9	c : b .
25	10·1	93	− 1·4	+ 2·1	304	2·5	2·6	− 1·0	25·4	24·7	22·7	21·8	21·2	22·0	f : b .
26	9·1	84	− 1·3	+ 4·3	287	4·5	4·5	+ 0·9	25·4	24·5	22·7	22·0	21·4	21·9	f : c : f : b .
27	7·3	67	− 1·5	+ 3·1	296	3·4	3·5	− 0·1	25·5	24·6	22·7	21·9	21·2	21·7	b : c : b .
28	4·6	42	− 1·4	+ 3·1	294	3·4	3·6	0·0	25·5	24·5	22·7	21·8	21·4	21·9	b : c : f .
29	7·5	69	− 1·9	+ 3·3	300	3·8	3·8	+ 0·2	25·5	24·5	22·7	22·0	21·2	21·6	b : f : c : b .
30	6·6	61	− 2·0	+ 4·4	294	4·8	4·8	+ 1·2	25·4	24·4	22·7	21·8	21·0	21·3	b : c : f .
Mean	7·86	72·1	− 1·35	+ 2·67	296·8	2·99	3·20	− 0.32	25·57	25·04	23·24	22·08	21·22	21·71	...
Average	7·45	68·3	− 1·45	+ 2·62	299·0	3·00	3·52	..	25·45	25·43	23·78	23·08	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JUNE 1927.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1017·0mbs	at	22h	on 7th & 10h on 8th	1007·9mbs	at 15h	on 4th
Temperature of the Air	25·1C	at	14·00	on 16th	13·0C	at 7·00h on 5th & 4.45h on the 21st	
Daily range of temperature of the Air...	11·1C		...	on 5th	4·8C	...	on 28th
Temperature of the Dew Point	20·0C	at	15h	on 17 th	10·8C	at 16h	on 19th
Daily range of temperature of the Dew Point	7·9C	...	...	on 7th	2·1C	...	on 20th
Relative humidity...	100·0%	at	16h	on 17th	50·3%	at 14h	on 2nd
Wind Velocity	9·0 m.p.s.	at	14h	on 18th	0·6 mps	often	often
Rainfall	13·5 mm	ending	19h	on the 17th	...	...	...
Temperature of the soil at 3 ins. ...	24·1C	at	18h	on 3rd	18·7C	at 9h	on 21st
, at 6 ns. 1 ...	23·2 C	at	15h	on 17th	19·5C	at 9h	on 21st
Duration of sunshine	10·5 hrs.		...	on 13th	3·4hrs.	...	20th
Amount of Evaporation in 24 hours	5·2 mm.		...	on 3rd & 7th	1·7 m.m.	...	on 17th
Vapour Tension	23·2 mbs	at	15h	on 17th	12·9 mbs	at 16h	on 19th
Minimum on Grass	...		...	...	5·8°C	...	on 5th, 7th & 21st

Number of Days Overcast, 2, Clear 7, of Rain 16 of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air, 21·63C. Average 22·26 Mean Night Temperature of Air, 18·06C. Average 18·74

uth West °), North (180°); East (270°).

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

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

JUNE 1927.

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	0103	0112	0124	0105	0100	0120	0143	0167	0160	0148	0143	0135	0131	0115	0112	0137	Midnight
1h	0101	0112	0124	0103	0100	0121	0141	0166	0157	0143	0141	0132	0131	0113	0105	0133	1h
2	0100	0112	0120	0100	0100	0119	0139	0161	0151	0141	0137	0129	0130	0110	0102	0128	2
3	0096	0108	0117	0099	0099	0118	0132	0157	0143	0136	0134	0122	0124	0104	0102	0127	3
4	0095	0108	0116	0095	0100	0118	0133	0155	0141	0134	0133	0119	0122	0100	0101	0127	4
5	0096	0103	0112	0092	0100	0118	0133	0154	0140	0133	0134	0118	0121	0101	0101	0125	5
6	0097	0109	0114	0095	0101	0121	0139	0158	0141	0139	0136	0120	0125	0103	0102	0129	6
7	0102	0113	0119	0099	0106	0129	0142	0161	0149	0143	0142	0121	0130	0111	0112	0134	7
8	0112	0120	0120	0101	0113	0131	0152	0163	0152	0149	0149	0130	0137	0117	0118	0142	8
9	0118	0123	0125	0101	0118	0138	0158	0169	0155	0155	0151	0136	0141	0122	0129	0149	9
10	0118	0122	0124	0101	0119	0136	0160	0170	0156	0158	0150	0136	0140	0123	0130	0148	10
11	0112	0120	0119	0099	0112	0130	0153	0167	0153	0152	0147	0131	0133	0119	0122	0143	11
Noon	0103	0114	0111	0092	0104	0122	0148	0160	0150	0145	0139	0125	0121	0113	0121	0139	Noon
13h	0100	0104	0103	0082	0098	0115	0140	0152	0140	0137	0127	0117	0111	0100	0114	0129	13h
14	0096	0101	0100	0080	0092	0112	0138	0148	0138	0132	0123	0116	0108	0094	0110	0124	14
15	0093	0100	0098	0079	0092	0113	0140	0148	0132	0131	0126	0115	0102	0093	0109	0124	15
16	0095	0101	0093	0080	0096	0117	0140	0150	0132	0131	0127	0115	0102	0093	0110	0129	16
17	0099	0109	0097	0082	0100	0123	0147	0151	0138	0131	0129	0118	0103	0095	0113	0131	17
18	0099	0110	0099	0088	0102	0129	0153	0154	0142	0133	0132	0123	0110	0100	0121	0138	18
19	0105	0118	0100	0092	0110	0135	0159	0160	0149	0137	0132	0128	0111	0103	0127	0145	19
20	0110	0121	0105	0098	0117	0142	0167	0163	0152	0143	0140	0131	0112	0110	0133	0149	20
21	0110	0125	0107	0100	0119	0147	0169	0168	0156	0146	0141	0131	0116	0110	0140	0151	21
22	0112	0128	0108	0100	0120	0147	0170	0169	0156	0148	0141	0131	0116	0111	0140	0151	22
23	0100	0127	0106	0100	0121	0144	0169	0168	0152	0143	0141	0131	0117	0111	0139	0151	23

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

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d	30d	...	Mean	Day \ Hour
Midnight	0151	0139	0137	0147	0156	0167	0153	0144	0141	0143	0151	0142	0139	0150	...	1013·7	Midnight
1h	0149	0138	0135	0147	0154	0167	0151	0143	0140	0142	0151	0141	0140	0151	...	1013·6	1h
2	0145	0132	0132	0143	0152	0163	0147	0142	0138	0140	0150	0136	0137	0150	...	1013·3	2
3	0138	0130	0132	0138	0149	0163	0142	0141	0134	0140	0148	0132	0134	0147	...	1013·0	3
4	0137	0128	0132	0137	0143	0161	0140	0141	0133	0137	0146	0130	0130	0145	...	1012·8	4
5	0137	0129	0132	0137	0141	0160	0140	0143	0131	0137	0142	0129	0130	0143	...	1012·7	5
6	0137	0128	0132	0141	0147	0160	0141	0145	0136	0139	0145	0131	0131	0148	...	1013·0	6
7	0141	0133	0138	0144	0153	0163	0142	0149	0132	0143	0149	0135	0137	0151	...	1013·4	7
8	0148	0137	0141	0149	0160	0169	0149	0152	0137	0150	0157	0140	0143	0159	...	1014·0	8
9	0150	0140	0145	0155	0163	0170	0151	0158	0145	0154	0159	0143	0150	0161	...	1014·4	9
10	0150	0140	0146	0156	0162	0164	0149	0155	0142	0154	0158	0143	0150	0160	...	1014·4	10
11	0149	0134	0142	0154	0160	0160	0143	0150	0138	0150	0154	0141	0148	0159	...	1014·0	11
Noon	0141	0130	0129	0149	0158	0152	0134	0143	0132	0147	0147	0132	0140	0150	...	1013·3	Noon
13h	0131	0120	0132	0140	0147	0143	0125	0134	0123	0137	0137	0121	0134	0140	...	1012·4	13h
14	0127	0114	0130	0133	0141	0140	0123	0130	0119	0131	0130	0119	0130	0140	...	1012·1	14
15	0128	0113	0127	0132	0140	0135	0123	0130	0117	0130	0127	0117	0127	0139	..	1011·9	15
16	0131	0114	0127	0136	0141	0133	0124	0129	0119	0130	0129	0117	0126	0134	...	1012·0	16
17	0131	0117	0131	0139	0143	0139	0129	0129	0122	0132	0129	0119	0129	0140	...	1012·3	17
18	0131	0122	0132	0147	0151	0142	0137	0133	0127	0136	0130	0126	0135	0146	...	1012·8	18
19	0137	0126	0132	0152	0156	0151	0141	0135	0133	0140	0134	0131	0141	0150	...	1013·2	19
20	0140	0131	0139	0158	0162	0157	0148	0143	0139	0147	0138	0138	0149	0152	...	1013·8	20
21	0142	0136	0142	0158	0168	0159	0151	0143	0141	0150	0140	0141	0150	0156	...	1014·0	21
22	0141	0137	0147	0160	0169	0157	0151	0143	0145	0152	0142	0140	0152	0157	...	1014·1	22
23	0140	0138	0148	0159	0169	0158	0150	0140	0143	0152	0146	0140	0151	0158	...	1014·1	23

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

Hour. \ Day.	June 1927.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Mean.
Midnight	0	7	0	0	0	0	0	4	8	5	4	9	1	3	5	2	8	2	4	7	0	1	5	9	7	4	0		1	0	...	3·2
1h	0	5	0	0	0	0	0	4	5	5	3	9	1	4	4	2	8	4	6	5	1	4	5	9	9	6	0		1	0	...	3·3
2	0	3	0	0	0	0	1	3	2	4	3	9	1	4	4	2	7	6	6	4	1	6	7	9	6	6	1		1	0	...	3·2
3	0	2	0	0	0	0	1	3	2	3	4	8	1	5	3	3	3	7	7	3	1	8	9	9	4	8	1	0	0	0	...	3·2
4	1	2	1	0	0	1	0	3	4	3	6	7	2	6	3	6	2	8	5	4	1	5	9	5	3	6	1	2	2	1	...	3·3
5	1	2	4	1	0	1	1	3	7	4	8	7	4	8	3	8	3	6	4	7	1	4	9	3	2	5	1	6	4	2	...	4·0
6	2	3	8	2	1	1	2	4	9	5	9	10	5	10	2	9	3	4	3	9	1	3	9	2	3	5	2	9	6	3	...	4·8
7	2	3	8	2	1	2	2	6	8	8	9	9	4	9	3	9	2	4	3	9	4	4	9	3	2	10	2	8	5	4	...	5·1
8	2	2	7	1	1	1	3	7	4	8	8	8	4	9	3	8	2	4	6	9	5	3	9	3	3	7	2	9	5	8	...	5·0
9	5	1	6	0	1	1	2	3	3	8	7	7	2	8	3	5	2	4	8	9	5	1	9	3	2	7	2	9	3	10	...	4·5
10	6	0	5	5	1	2	5	7	6	8	8	6	2	9	5	5	3	6	8	9	8	4	8	5	4	8	10	9	10	10	...	6·1
11	6	2	4	7	5	4	6	9	7	9	8	5	3	9	5	4	7	6	8	9	8	4	8	7	5	8	8	9	10	10	...	6·4
Noon	5	3	3	7	8	5	6	5	7	9	8	6	3	5	6	4	8	6	9	6	8	5	8	9	6	9	6	8	10	7	...	6·5
13h	3	4	3	9	7	5	7	5	5	9	7	7	3	5	4	4	6	4	9	6	7	4	7	8	6	8	8	9	9	9	...	6·2
14	3	2	4	8	5	4	6	6	9	8	8	6	5	3	5	4	8	3	9	9	7	5	7	8	4	8	8	9	9	9	...	6·2
15	2	1	5	7	2	4	4	8	5	7	8	6	4	2	6	3	10	2	9	7	4	7	9	9	4	5	9	7	8	9	...	5·8
16	2	1	4	4	2	0	6	8	6	6	8	5	4	2	7	2	10	2	9	6	3	9	8	8	3	4	10	7	7	8	...	5·3
17	1	1	4	3	2	2	8	9	7	5	8	5	4	3	8	2	10	2	8	5	3	6	8	6	3	3	8	6	5	7	...	5·0
18	1	1	3	2	2	2	6	9	8	4	9	4	4	3	9	1	9	2	6	3	2	4	9	4	2	2	6	5	3	5	...	4·3
19	1	0	1	1	2	1	8	9	4	8	9	3	3	4	9	1	5	2	5	2	2	3	8	2	1	2	4	3	3	4	...	3·7
20	0	0	0	1	1	1	8	10	2	9	10	2	2	6	2	0	4	1	4	1	1	2	5	1	1	1	2	2	2	2	...	2·8
21	0	0	0	1	1	0	10	10	10	7	9	1	2	4	1	1	2	1	3	0	0	1	4	0	1	0	1	1	2	1	...	2·5
22	0	0	0	0	0	0	8	9	7	5	9	1	1	4	2	2	1	1	4	0	0	2	8	1	1	0	1	1	1	1	...	2·3
23	2	0	0	0	0	1	6	9	5	3	8	1	2	5	2	5	1	2	5	0	0	4	9	3	2	0	0	1	0	3	...	2·6

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

Hour* Ending \ Day.	June 1927.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	
7	14	0	0	15	20	20	0	0	0	0	4	0	17	0	0	0	0	10	0	0	0	3	0	3	2	0	5	0	0	0	...	1·9
8	60	54	0	60	60	60	46	19	48	48	8	23	60	15	44	18	35	60	50	1	7	60	27	60	54	29	58	25	60	12	...	19·3
9	60	60	57	60	60	60	60	55	50	20	22	35	60	35	54	45	60	60	51	35	60	60	15	55	55	52	60	41	60	16	...	24·6
10	60	60	54	60	60	60	60	48	54	15	36	57	60	23	60	15	60	38	22	12	55	60	60	35	60	53	38	30	44	51	..	23·3
11	55	60	60	20	60	60	60	38	55	15	48	60	60	55	55	60	50	58	38	1	58	57	57	55	60	52	40	47	40	4	...	24·0
Noon	60	60	60	28	57	60	60	46	35	33	50	58	60	60	58	60	1	43	45	40	58	59	45	22	60	55	60	46	33	47	...	24·3
13h	60	60	60	23	45	60	59	59	46	20	40	55	60	60	60	60	56	55	42	10	60	57	58	48	60	60	60	4	30	48	...	24·6
14	60	60	60	15	59	60	58	45	35	10	50	50	60	60	60	60	5	45	7	24	50	60	50	53	60	60	50	35	43	55	...	23·3
15	60	60	60	37	60	60	60	43	50	48	42	50	60	60	60	60	0	60	21	10	60	60	40	42	60	60	47	29	13	58	...	23·8
16	60	60	60	15	60	60	58	58	40	26	50	48	60	60	60	60	0	60	39	45	60	35	17	0	60	60	20	6	59	55	...	22·5
17	56	55	48	56	60	58	50	55	15	28	26	60	60	55	60	60	0	60	13	21	57	31	59	20	60	59	0	15	60	48	...	21·7
18	6	7	0	2	2	1	9	8	0	2	3	20	12	6	10	5	0	3	6	5	16	0	0	0	12	5	0	0	8	0	...	2·5

The total amount of registered sunshine was 235·8 hours and the total possible sunshine 327·2 hours.

* Reckoned from apparent midnight.

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

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

JUNE 1927

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

Day.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d Air.	12d Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16. Air.	16. Excess of Air over Evap.	Day. / Hour
Midnight	18·4	1·4	19·1	2·5	20·2	3·1	18·7	0·8	18·1	1·2	18·7	1·6	19·7	1·2	17·9	1·1	Midnight
1h	18·5	1·5	18·9	2·3	20·0	2·9	18·6	1·1	17·9	1·3	18·4	1·4	18·6	0·8	18·5	1·2	1h
2	18·4	1·3	18·3	1·9	19·9	2·9	18·6	1·1	17·2	1·2	18·9	1·7	17·9	0·9	19·1	1·0	2
3	18·2	1·5	18·7	1·6	19·3	2·6	18·8	1·3	16·3	0·9	18·7	0·9	18·1	0·9	19·0	1·0	3
4	18·3	1·6	18·3	1·4	19·1	2·2	18·3	1·0	15·4	0·7	19·1	1·1	18·7	1·1	19·8	0·9	4
5	18·8	2·0	18·5	1·8	18·7	1·7	18·3	1·0	15·0	0·8	19·1	0·9	17·7	0·8	20·0	0·8	5
6	18·7	1·9	18·6	1·9	18·8	2·2	18·1	0·9	15·9	0·9	19·3	0·6	17·9	1·0	20·3	1·0	6
7	18·7	1·9	18·4	1·3	19.2	2·2	18·9	1·5	16·5	1·2	19·2	1·0	17·9	1·0	20·7	0·9	7
8	20·4	3·2	19·2	1·2	20·0	2·5	19·9	1·9	19·2	1·9	19·8	1·0	19·5	1·6	21·4	1·2	8
9	22·0	3·7	20·0	1·4	21·1	3·2	22·9	4·7	22·1	3·3	21·4	2·1	22·1	2·1	23·0	2·1	9
10	22·1	3·6	20·5	1·5	23·0	4·9	23·0	4·5	22·9	4·5	22·3	3·2	23·1	3·0	23·1	2·1	10
11	22·3	3·3	21·9	3·7	25	4·0	23·0	4·3	23·0	4·4	23·9	4·0	23·9	3·9	24·3	3·2	11
Noon	21·3	1·8	22·9	3·9	23·7	5·0	23·1	4·8	23·7	5·4	23·4	4·2	24·0	3·2	24·7	3·7	Noon
13h	21·3	1·9	22·9	4·9	22·8	4·1	23·0	4·0	24·0	6·0	24·2	5·4	24·6	3·8	24·7	4·5	13h
14	21·3	2·3	22·9	5·1	22·3	4·0	23·0	4·2	23·5	5·5	23·4	4·3	24·6	4·6	25·1	4·7	14
15	21·4	2·7	22·9	5·0	22·3	3·2	22·2	3·8	23·0	4·9	23·6	4·9	24·2	4·2	24·5	4·3	15
16	21·3	2·8	21·9	4·6	21·8	2·8	21·6	3·6	23·0	5·0	23·0	4·7	24·0	4·0	23·9	4·1	16
17	21·0	2·9	21·0	4·0	20·9	2·1	21·2	3·6	22·0	4·2	22·2	3·3	23·0	3·7	23·2	2·8	17
18	20·6	1·7	20·0	3·3	20·2	2·0	19·6	2·2	20·3	3·0	20·9	2·6	21·9	2·7	21·9	2·0	18
19	19·9	2·9	20·0	3·3	19·3	1·3	18·7	2·0	18·6	2·0	20·1	1·3	20·9	1·9	20·9	1·7	19
20	19·7	2·9	20·3	3·1	19·6	1·1	18·1	1·7	18·1	1·5	19·7	1·0	20·3	1·4	20·3	1·3	20
21	19·4	2·5	20·5	3·3	19·3	1·1	17·5	1·5	18·0	1·3	19·7	1·1	19·8	1·7	20·0	1·3	21
22	19·4	2·2	20·0	2·9	19·1	0·9	17·4	1·5	19·0	1·5	19·1	1·1	18·6	1·5	19·5	1·2	22
23	19·0	2·4	20·0	2·6	19·0	0·9	17·3	1·4	19·0	1·3	19·1	1·0	18·1	1·3	19·3	1·0	23

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

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

JUNE 1927

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	20·2	1·0	17·7	0·7	15·2	1·2	15·0	1·1	15·5	1·4	17·3	2·0	19.7	1·8	20·0	1·0	Midnight
1h	20·0	1·1	17·1	0·8	14·6	1·1	15·1	1·0	15·7	1·5	17·1	1·8	18.7	1·7	20·0	1·0	1h
2	19·2	1·0	17·2	0·7	14·5	0·9	15·7	1·1	15·0	1·1	17.2	1·9	19.0	1·9	20·0	1·2	2
3	19·3	1·0	19·0	1·1	15·2	1·0	15·3	0·9	14·2	1·2	16·9	1·7	18.5	1·6	20·0	1·4	3
4	18·5	0·8	19·0	1·1	14·9	1·4	14·6	0·8	13·2	1·1	17·3	1·8	19.4	2·3	19·7	1·4	4
5	18·9	0·9	18·3	1·0	15·0	1·1	14·7	0·8	13·9	1·1	17·0	1.6	19.0	2·1	19·0	1·1	5
6	18·2	0.7	19·3	1·4	15·2	1·2	14·8	1·0	14·0	1·2	17·0	2·0	19.0	2·0	19·4	2·2	6
7	17·9	0·9	19·2	1·3	15·2	1·5	14·9	0·9	13·6	1·3	16·1	1·3	19.3	1·6	19·5	2·3	7
8	20.0	1·4	20·8	2·2	17·3	2·0	16·0	1·4	16·2	1·9	19·8	2·7	21.5	3·5	20·3	1·6	8
9	23.0	2·2	21·9	2·9	20·2	3·8	20·0	3·5	20·5	4·1	21·9	3·7	22.3	3·5	22·0	2·3	9
10	23·5	2·7	22·0	3·6	21·0	4·5	21·0	4·1	21·9	4·4	22·9	4·2	23.4	3·2	23·1	3·4	10
11	23·8	3·3	22·8	4·3	21·5	5·1	21·3	4·9	22·4	4·8	22·7	4·1	23.7	3·6	23·7	4·5	11
Noon	23·2	2·4	22·9	3·9	22·0	5·7	22·1	5·6	22·9	5·1	23·7	4·8	23.8	3·4	24·0	4·7	Noon
13	24·9	3·9	23·0	4·7	22·3	6·1	21·7	5·4	23·0	5·0	23·3	5·1	24.2	3·9	23·8	4·3	13h
14	22.8	2·1	22·9	4·4	21·7	5·3	22·0	5.5	22·9	4·9	23·3	4·5	24.0	3·5	23·8	4·6	14
15	20·4	0·2	22·2	4·2	21·5	5·4	21·7	5.7	23·0	5·2	23·3	4·4	23.1	2·4	24·2	4·7	15
16	19·7	0·0	21·6	4·3	20·9	5·7	21·0	5·3	22·1	4·8	22·7	3·7	22.3	2·3	22·3	3·2	16
17	19.3	0·2	20·3	4·1	19·9	4·9	20·0	4.2	21·2	4·4	21·0	2·3	22.2	2·2	21·8	2·7	17
18	19·8	0·5	19·1	3·7	18·3	3·2	19·2	3·5	19·5	3·1	20·3	2·1	21.7	1·8	20·9	2·7	18
19	19·7	0·6	18·5	3·8	16·3	2·0	17·1	2·1	17·6	2·4	20·0	2·0	20.7	1·2	19·7	1·6	19
20	19·7	0·8	18·3	3·8	15·4	1.7	16·4	1·5	17·0	2·0	19·8	2·1	20.7	1·4	19·8	1·6	20
21	19·3	0·8	17·9	3·6	15·4	1·5	16·0	1·7	17·1	2·1	19·7	2·0	21.0	1·7	19·6	1·5	21
22	18·7	0·7	17·1	3·1	15·1	1.3	16·0	1·7	16·9	1·9	19·7	1·9	20.9	1·6	18·9	1·2	22
33	17·9	0·8	15·9	2·0	15·1	1·5	16·0	1·5	17·8	2·5	19·7	1·7	20.7	1·6	18·3	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.	... Air.	... Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day. / Hour
Midnight	18·3	1·2	19·1	1·4	19·1	2·0	19·8	1·1	19·2	1·9	18·9	1·6	...	...	18·0	1·4	Midnigh
1h	18·7	1·1	19·3	1·3	19·3	1·6	19·8	1·2	18·7	1·6	18·8	1·5	..	...	17·8	1·3	1h
2	18·3	0·9	19·3	1·2	19·2	1·3	19·8	1·1	18·0	1·3	18·7	1·4	...	...	17·7	1·3	2
3	18·9	1·2	19·5	0·8	18·2	1·5	19·5	1·1	17·5	1·1	18·6	1·3	...	...	17·6	1·2	3
4	19·3	1·1	19·0	0·8	18·1	1·4	19·3	0·9	17·6	1·2	18·7	1·2	...	...	17·4	1·2	4
5	18·9	1·1	19·7	0·9	18·4	1·9	19·0	0·9	17·7	1·3	18·8	1·1	...	...	17·4	1·2	5
6	18·9	1·6	19·4	0·8	18·2	1·1	19·3	0·6	18·0	1·2	18·9	1·1	...	...	17·5	1·3	6
7	19·0	1·0	19·7	0·7	17·3	1·0	19·6	0·8	18·5	0·7	19·0	1·1	...	...	17·5	1·2	7
8	20·1	1·6	20·4	0·9	19·8	2·1	20·1	1·2	19·9	1·4	19·1	1·1	...	...	19·3	1·9	8
9	22·3	2·4	21·9	1·7	22·5	3·5	21·2	1·5	21·3	2·3	19·9	1·0	...	...	21·5	3·0	9
10	22·9	3·2	22·3	2·1	22·8	3·7	21·1	1·2	22·2	3·2	20·7	1·4	...	...	22·3	3·6	10
11	23·9	4·4	22·8	2·8	23·2	3·9	21·9	2·7	20·9	1·8	20·7	1·4	...	...	22·7	3·9	11
Noon	24·2	4·3	23·1	2·8	23·9	3·9	22·8	3·0	21·5	2·5	21·7	1·8	...	...	23.2	4·2	Noon
13h	24·3	5·2	23·2	3·2	24·1	4·1	22·9	3·2	20·3	2·2	22·4	2·6	...	...	23·3	4·5	13h
14	24·3	5·0	23·7	3·7	23·0	3·3	23·8	4·7	21·0	2·8	22·1	2·4	...	...	23·2	4·5	14
15	24·1	4·5	23·0	3·9	23·0	3·0	23·3	4·6	22·1	3·7	22·8	3·6	...	...	23·0	4·4	15
16	23·3	4·3	22·8	3·4	20·7	1·1	21·4	3·4	21·3	3·3	21·9	3·4	...	...	22·1	3·9	16
17	22·1	3·3	22·0	3·0	20·5	0·8	20·7	3·2	20·6	2·8	21·6	3·2	...	...	21·3	3·3	17
18	20·7	2·6	20·7	2·4	20·1	1.1	20·1	2·1	19·9	2·1	20·3	2·4	...	...	20·2	2·5	18
19	20·2	2·1	20·0	2·0	20·0	1·0	19·8	2·1	19·8	2·1	20·1	2·2	...	...	19·3	2·0	19
20	19·7	1·8	19·9	2·7	19·7	1·0	19·5	1·8	19.4	1·9	19·7	2·2	...	...	18·9	1·8	20
21	19·3	1·7	19·7	2·6	20·1	1·1	19·1	1·4	19·0	1·7	19·8	2·0	...	...	18·6	1·7	21
22	19·0	1·5	19·5	2·4	19·9	1·0	19·2	1·5	19·0	1·7	20·0	1·9	...	...	18·3	1·6	22
23	18·9	1·6	19·3	2·3	19·9	1·2	19·3	1·6	19·0	1·7	20·0	1·7	...	...	18·2	1·5	23

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

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

JUNE 1927.

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	880	913	876	924	890	915	885	893	891	909	892	908	892	908	886	934	Midnight
1h	889	908	879	921	878	922	884	907	884	916	885	910	892	908	877	934	1h
2	894	906	883	917	884	916	886	906	885	915	884	907	891	909	880	930	2
3	887	913	904	910	892	908	892	903	896	904	873	911	890	910	879	932	3
4	882	918	904	910	888	912	886	906	880	920	882	904	889	911	879	931	4
5	885	915	875	925	886	910	886	906	890	910	879	904	893	904	889	927	5
6	886	914	879	921	876	915	889	911	889	911	873	906	891	907	879	931	6
7	879	932	885	915	873	911	889	911	892	908	871	906	888	909	879	932	7
8	882	927	875	925	885	906	895	905	896	904	883	903	882	918	884	940	8
9	875	938	865	935	878	922	894	906	900	908	882	904	895	926	879	951	9
10	851	949	854	946	873	941	874	905	883	907	883	926	890	950	878	954	10
11	868	947	863	956	875	937	892	892	868	913	878	933	878	953	879	951	11
Noon	863	957	862	957	889	926	876	900	882	918	889	929	879	951	878	953	Noon
13h	876	957	865	953	886	935	910	892	871	911	892	939	888	959	880	949	13h
14	875	961	867	950	888	930	903	883	867	907	891	922	888	959	879	952	14
15	878	952	859	941	886	936	903	916	868	932	868	907	888	959	877	955	15
16	886	935	867	933	882	927	911	911	876	924	866	923	889	953	881	946	16
17	886	921	866	923	886	914	877	923	879	921	873	918	900	949	876	936	17
18	887	913	885	915	895	905	884	916	888	912	885	910	883	925	877	934	18
19	880	920	884	916	895	905	887	913	892	908	891	907	888	931	886	922	19
20	878	922	887	913	895	905	892	908	889	911	886	910	887	933	875	925	20
21	882	918	886	914	893	909	890	907	892	908	889	911	885	938	886	934	21
22	885	923	887	913	886	894	892	903	892	908	892	908	884	940	890	924	22
23	884	924	887	913	888	895	887	906	888	905	892	908	886	936	887	920	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	883	926	890	925	889	929	896	921	886	922	890	914	900	915	893	909	Midnight
1h	883	925	887	932	886	936	891	921	884	924	890	915	900	914	893	910	1h
2	905	922	887	933	887	919	886	935	887	913	886	922	900	917	890	915	2
3	881	929	889	927	887	919	892	940	892	908	892	911	900	914	888	918	3
4	881	929	886	936	888	918	888	931	891	909	892	918	904	918	889	927	4
5	876	936	889	928	886	921	887	932	892	908	889	916	903	916	893	916	5
6	882	927	886	936	893	917	900	927	892	908	904	921	900	922	893	915	6
7	887	920	887	934	893	917	889	928	890	910	905	912	900	922	900	917	7
8	881	928	892	938	886	934	888	931	889	911	890	925	900	916	900	922	8
9	886	936	891	946	887	932	887	932	887	919	900	940	895	925	912	930	9
10	879	950	889	956	890	949	883	941	887	933	910	950	900	937	907	935	10
11	875	961	878	954	874	963	887	963	885	938	914	970	908	937	917	943	11
Noon	878	953	885	977	888	959	888	957	886	936	911	955	907	933	909	945	Noon
13h	875	961	877	956	900	955	882	945	885	937	915	975	914	934	909	943	13h
14	875	959	869	974	900	962	891	946	886	936	900	965	920	930	909	944	14
15	876	957	877	956	900	955	883	941	886	936	900	956	914	934	909	943	15
16	877	955	879	950	892	938	884	940	886	936	900	962	912	931	900	935	16
17	885	937	882	943	886	934	885	923	894	913	892	939	905	924	900	932	17
18	884	939	887	933	889	927	886	914	887	919	895	924	897	915	892	920	18
19	879	931	888	931	886	921	884	916	890	915	892	919	894	914	890	924	19
20	883	925	887	932	884	924	885	915	890	914	891	923	893	916	891	921	20
21	882	927	886	935	891	922	886	914	893	916	891	922	893	916	894	915	21
22	885	938	889	928	890	924	891	909	886	921	897	917	895	912	890	925	22
23	878	933	887	933	894	930	886	914	887	920	902	911	893	910	889	929	23

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

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

JUNE 1927.

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	896	918	894	906	891	902	890	907	894	906	893	917	889	928	900	927	Midnight
1h	900	911	887	913	883	903	887	909	894	906	890	915	890	923	906	928	1h
2	897	913	880	920	886	903	888	909	890	910	893	917	890	925	900	929	2
3	895	912	882	908	876	905	891	907	890	910	894	913	888	930	900	929	3
4	894	913	890	904	884	903	889	908	890	910	888	919	889	928	896	921	4
5	898	906	893	901	882	904	891	907	889	911	889	916	889	916	896	921	5
6	896	910	872	906	880	904	890	908	887	913	888	919	889	926	895	926	6
7	896	910	891	893	881	904	889	908	887	913	889	916	886	935	895	924	7
8	895	912	877	915	892	902	890	908	885	915	885	937	882	944	895	925	8
9	893	916	859	927	870	912	882	912	884	924	890	947	900	951	894	927	9
10	892	920	858	942	865	923	885	924	875	938	888	961	900	957	900	943	10
11	900	921	848	952	869	931	889	927	881	946	887	965	887	962	900	944	11
Noon	890	915	844	956	864	936	887	934	881	946	888	961	900	954	900	942	Noon
13h	918	918	847	935	866	934	892	940	879	951	900	964	890	949	885	937	13h
14	876	884	836	964	863	937	882	927	883	942	900	951	900	941	881	946	14
15	878	878	844	956	866	934	890	925	882	944	900	968	909	943	884	940	15
16	880	887	835	943	871	929	883	925	875	938	876	957	909	942	884	924	16
17	895	897	859	941	879	914	891	913	879	931	882	943	907	932	888	931	17
18	885	903	854	930	893	905	891	909	870	930	885	938	900	928	888	930	18
19	888	902	857	929	893	904	890	910	896	904	887	932	896	919	893	916	19
20	881	904	864	924	894	904	892	908	896	904	887	934	900	912	890	923	20
21	876	905	868	922	893	904	891	909	888	912	887	933	900	943	888	918	21
22	891	902	881	913	892	906	896	904	885	915	886	936	900	926	891	909	22
23	893	901	889	902	893	905	892	908	889	927	892	920	900	934	886	914	23

Day. / Hour	25d.		26d.		27d.		28d.		29d.		30d.		...		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.			N.	E.	
Midnight	892	908	892	919	887	934	878	922	880	920	878	933	..	...	889	917	Midnight
1h	892	911	893	917	876	936	878	922	879	921	879	931	...	...	887	918	1h
2	893	909	892	919	881	929	881	928	886	914	886	922	...	...	889	918	2
3	894	908	892	918	888	919	879	921	890	910	883	925	...	...	889	916	3
4	888	919	890	925	888	918	877	923	889	917	886	921	...	...	888	918	4
5	890	914	889	927	888	919	879	921	893	909	889	927	...	...	889	916	5
6	885	915	900	932	887	913	888	930	890	914	882	918	...	...	888	917	6
7	889	916	891	942	886	914	882	927	895	924	878	922	...	...	888	918	7
8	885	915	890	949	887	913	879	931	879	932	881	929	...	...	887	922	8
9	891	922	891	945	886	934	878	932	862	938	887	933	...	...	886	929	9
10	882	927	888	959	885	938	889	953	881	947	888	959	...	...	884	941	10
11	886	936	885	975	881	946	882	943	877	955	888	959	...	...	883	946	11
Noon	884	940	886	968	881	946	900	946	874	962	872	968	...	...	884	946	Noon
13h	884	940	883	983	910	949	900	944	874	963	886	972	...	...	888	946	13
14	878	933	872	967	888	957	900	944	882	944	869	975	...	...	884	943	13
15	885	937	884	978	889	954	900	951	879	951	866	982	...	...	884	944	14
16	878	933	877	955	900	946	893	935	876	957	878	954	...	...	883	937	15
17	879	931	877	955	879	932	887	934	883	941	870	973	...	...	884	931	16
18	883	917	881	946	879	921	888	919	883	926	881	947	...	...	886	922	17
19	881	919	886	936	880	920	886	922	887	919	884	940	...	...	887	919	18
20	887	913	883	943	882	918	884	924	872	928	876	936	...	..	886	919	19
21	886	914	887	934	879	931	886	922	881	928	876	936	...	...	887	920	20
22	889	911	889	917	884	924	881	929	878	932	884	939	...	...	889	918	21
23	887	913	891	912	879	932	878	922	881	929	882	944	...	...	888	918	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during JUNE 19 .

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

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	29	2·4	28	3·4	27	1·8	2	1·7	28	1·3	28	1·2	28	1·2	26	3·7	27	3·1	26	2·7	26	3·1	25	2·2	27	2·6	27	1·7	24	1·5	27	1·1
1h	29	1·4	28	3·0	28	3·1	30	1·8	28	2·3	29	1·8	28	1·2	27	4·1	27	3·0	26	3·4	26	3·9	26	2·3	27	2·9	27	1·8	24	1·4	27	1·2
2	28	0·8	28	2·4	28	2·3	30	1·5	28	2·1	30	1·8	28	1·3	27	3·6	23	2·3	26	3·5	27	2·3	26	3·8	28	1·9	27	2·6	24	1·7	27	1·8
3	28	1·9	22	1·1	28	1·2	30	0·9	28	0·6	30	2·9	28	1·4	27	3·8	27	3·5	26	2·9	27	2·3	25	4·1	28	1·1	27	1·4	24	1·4	27	2·1
4	28	2·6	22	1·1	28	1·7	30	1·5	28	2·8	31	1·8	28	1·6	27	3·7	27	3·5	26	3·9	27	2·1	26	3·3	28	1·3	26	2·0	23	1·8	26	2·9
5	28	2·1	28	3·5	29	1·7	30	1·5	28	1·4	31	2·1	29	0·8	26	2·9	27	4·4	26	3·0	27	2·5	26	3·4	28	1·1	27	1·9	23	1·6	26	1·8
6	28	2·0	28	3·0	29	2·8	28	1·6	28	1·6	31	2·8	29	1·1	27	3·7	27	3·2	26	3·9	26	1·9	24	2·7	28	1·1	23	2·1	24	2·2	26	1·7
7	27	3·8	28	2·1	30	2·9	28	1·6	28	1·1	31	3·0	29	1·5	27	3·8	27	2·4	26	3·6	26	1·9	26	3·0	28	1·4	22	1·3	24	2·2	24	1·7
8	27	3·3	28	3·6	30	1·6	28	0·7	28	0·6	31	1·7	28	2·6	26	4·3	27	3·4	25	3·9	26	3·7	26	3·3	28	1·6	26	2·7	24	1·6	24	2·2
9	27	4·6	28	5·0	28	3·2	28	0·9	24	0·8	31	1·8	25	2·7	26	5·5	26	3·9	25	4·7	26	3·4	26	3·4	27	2·3	24	4·0	25	2·6	22	3·2
10	28	7·0	28	6·6	27	4·9	31	2·7	30	1·9	27	3·1	25	5·1	26	5·9	26	5·4	25	5·7	25	5·0	26	4·4	26	3·5	23	5·1	24	3·7	23	3·6
11	27	5·7	27	6·7	27	4·5	4	1·1	30	3·4	27	4·0	26	5·8	26	5·5	26	6·6	26	5·9	26	6·8	25	6·4	26	4·1	23	7·1	23	3·8	22	4·6
Noon	27	6·8	27	6·9	26	2·8	32	2·4	28	2·6	26	3·1	26	5·5	26	5·8	26	5·8	25	7·8	25	6·0	25	5·8	26	3·9	23	5·6	23	3·4	23	4·6
13h	26	6·2	27	6·4	26	3·8	d13	1·3	30	3·1	25	4·0	25	6·0	26	5·3	26	6·6	26	6·1	24	5·5	26	4·9	26	4·0	23	7·6	22	3·7	23	4·4
14	26	6·6	27	6·0	26	3·2	9	1·7	31	3·4	26	2·4	25	6·0	26	5·6	26	6·4	26	8·0	24	6·2	25	4·7	26	3·9	24	6·5	21	3·6	23	4·5
15	26	5·7	28	5·9	26	3·9	d23	1·6	28	4·6	31	3·3	25	6·0	26	6·0	26	6·2	26	6·1	24	5·5	26	4·4	26	3·9	24	5·6	22	3·7	23	4·4
16	26	3·8	28	4·7	27	3·3	20	1·6	28	3·4	29	4·1	25	5·4	26	5·0	26	6·0	26	5·4	25	3·9	26	4·3	26	3·9	24	6·2	22	3·3	24	3·5
17	27	2·5	29	4·1	28	2·0	28	3·3	28	3·0	29	3·3	24	4·9	27	4·4	26	4·0	26	4·7	26	3·7	27	2·7	26	1·4	25	4·0	23	2·5	24	3·2
18	28	1·8	28	2·2	28	0·7	28	2·3	28	1·7	29	1·8	27	3·0	27	4·1	26	4·2	26	3·5	26	2·9	28	2·0	27	2·3	25	2·5	25	1·5	26	2·2
19	28	2·9	28	2·3	28	0·7	28	1·8	28	1·2	29	1·1	26	3·3	27	2·6	27	3·7	26	3·3	27	2·5	28	2·3	27	1·8	26	2·1	26	1·5	26	2·6
20	28	3·1	28	1·9	28	0·7	28	1·1	28	1·5	29	1·7	26	3·5	28	3·6	27	3·0	26	3·4	27	2·9	28	2·2	27	1·7	26	2·3	26	1·8	26	2·3
21	28	2·5	28	2·0	27	1·1	29	1·2	28	1·1	28	1·5	26	4·1	26	3·7	27	3·2	26	3·8	26	2·4	28	2·0	26	1·8	26	2·4	26	1·8	26	1·6
22	27	2·7	28	1·8	2	1·5	30	0·9	28	1·1	28	1·2	26	4·3	26	2·6	26	4·1	26	3·0	26	2·6	28	1·3	27	2·5	25	1·7	26	1·3	26	2·7
23	27	2·9	28	1·8	2	1·3	30	1·4	30	1·3	28	1·2	26	3·9	27	2·4	27	4·0	26	3·5	25	3·1	28	2·0	27	2·4	23	1·1	27	1·2	26	3.1

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

* = retrograde. = direct.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JUNE 1927.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART for the MONTH of JUNE 1927.

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	1·26	32·0	64·5	11
	3	Belmont	50	1·34	34·0	85·3	8
	4	Poudre d'Or	20	1·07	27·2	83·6	8
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	1·36	34·5	111·2	15
	10	Mont Piton	360	1·19	30·2	142·0	12
	11	Mon Choix	700	1·17	29·7	134·1	18
	12	Antoinette	640	1·88	47·8	122·2	12
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	2·15	54·6	155·9	12
	15	Mon Songe	179	1·84	46·7	123·2	14
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	1·28	32·5	81·0	14
	19	The Observatory ...	179	1·39	35·4	68·5	16
	20	Solitude§	175	...	...	...	...
	21	St André	90	1·08	27·4	49·7	8
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ ..	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E.§ ...	600	...	...	...	..
	2	Constance d'Arifat L.G.	100	1·70	43·2	116·8	11
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	2·95	74·9	130·3	16
	5	Constance (Manès)§ ...	..	...	...	...	..
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	2·04	51·8	...	14
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	4·11	104·4	155·2	18
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	5·60	142·2	...	22
5	1	Rose Belle§	850	..	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	..	...	...	...
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate* ...	...	2·79	70·9	...	8
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	7·70	195·6	375·2	28
	2	Tivoli*	1,300	4·38	111·2	...	20
	3	La Flora*	1,050	3·35	85·1	...	20
	4	Britannia	780	3·88	98·5	226·8	22
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin§	300	...	...	..	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	21
	9	St. Avold*	900	4·00	101·6	...	...
	10	Terracine§	1000	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	11
	14	Union S. E.*	...	2·07	52·6	...	11
	15	Fontenelle*	...	2·16	54·9	...	...
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre§	40	...	...	...	...
	3	Beau Champ§	...	...	...	...	...
	4	Board§	...	...	...	...	...
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	5·85	148·6	201·7	28
	3	Mare aux Vacoas ...	1,850	8·62	218·9	279·9	25
	4	La Marie Filter Bed ...	1,700	43·0	109·2	164·1	22
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse§	850	...	...	...	...
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands§	1,300	...	...	...	...
	7	Trianon	950	0·90	22·9	75·4	14
	8	Salency§	928	...	...	...	...
	9	La Ferme*	950	0·24	6·1	...	8
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,000	2·73	69·3	95·0	19
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin*	..	0·44	11·2	...	10
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or	...	3·91	99·3	...	13
	17	Mon Repos§	...	...	..	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	1·00	25·5	...	2

§ Records not received. * Normals not available.

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of JUNE 1927

Type / Day	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulu		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dr.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
	h		°		°		°		°		°			h		°		°		°		°		°		°
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	...	345	3·5	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	12¾	315	5·1	360	4·4	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	14	315	7·0	360	8·0	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	15½	300	17·6	300	12·9	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	12¼	...	...	285	5·9*	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	...	...	300	9·6*	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	14	300	14·4	285	7·1	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	12¼	...	...	300	7·1*	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	15½	255	18·8	270	11·6	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	14½	...	...	315	6·4	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	8½	300	10·0	...	...	...	...	150	4·1	...	...	...	...	14¾	...	...	310	3·6*	...	...	...	...	...	...	...	...
22	10	...	...	300	22·0	150	2·3	...	...	...	...	...	...	14	...	...	...	...	150	2·6	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	10	285	25·5	300	9·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	10	...	...	285	7·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	300	16·2	285	12·8	...	...	...	...	...	...	...	...
27	11¾	270	11·2*	270	2·7*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	11¾	...	...	275	12·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	11½	300	16·1*	295	18·3*	...	...	...	...	75	1·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* From the Observatory Pamplemousses.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JULY 1927

R. A. WATSON, B.A., F.R. MET. SOC.,

DIRECTOR.

Published by Authority of His Excellency the Governor

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of JULY 1927.

Month and Day. 1927	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.) K* †	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
	° ′				Unit 1 γ	
1	—	—	·00026	—	—	22
2	—	—	27	—	—	21
3	—	—	27	—	—	16
4	—	—	25	—	—	25
5	—	—	27	—	—	11
6	—	—	27	—	—	11
7	—	—	27	—	—	22
8	11°32′·4	·22787	28	3·6	32	17
9	31·9	790	27	6·6	25	25
10	32·0	798	30	5·2	15	18
11	31·6	799	30	6·2	20	14
12	31·4	801	31	6·6	18	17
13	31·7	808	28	5·4	27	25
14	32·7	806	29	4·0	13	31
15	31·6	806	26	4·8	24	28
16	32·0	808	23	4·8	35	36
17	31·7	801	28	3·6	66	17
18	32·2	804	29	3·4	41	11
19	31·9	804	26	3·8	46	18
20	31·8	806	28	5·0	34	23
21	31·5	807	29	4·2	26	19
22	30·4	762	35	24·0	172	34
23	32·1	763	36	4·8	47	20
24	32·1	785	34	5·8	37	28
25	32·4	798	35	3·8	32	20
26	32·3	799	36	7·0	19	28
27	32·7	808	32	8·0	40	30
28	32·5	801	34	4·2	28	24
29	32·9	811	30	6·2	33	43
30	32·4	805	33	6·8	18	28
31	32·2	803	33	8·4	33	24
Mean	11°32′·02	·22798	·00030	6.09	36·7	22·8

Description of the Principal Magnetic Disturbance

The month was free from noteworthy disturbance until $17^d\ 3^h\ 2^m$ when a 'sudden commencement' was followed by a day of moderate disturbance. Small disturbances occurred in the middle of the day on the 18th and the three succeeding days were all somewhat disturbed. A sudden commencement at about 1h on the 22nd was followed by a storm of considerable intensity. In H. the S.C.' started at 0h 51m as a slow rise of 1γ per minute for 9 minutes followed at 1h. 00m. by an almost instataneous rise of 35γ. This rise continued at a slower rate and reached its maximum at about 01.40 giving a total rise of 95γ. The minimum value was recorded about 19.30 and the absolute range during the storm was 215γ. In D the S.C. was less clearly marked and the main disturbance was a prononnced dip between 6h—8h with very irregular short period movements superposed. The absolute daily range of D was 30′— an exceptional value for this observatory.

In V a small disturbance may have begun at 1^h 00m but at 01^h 07m an almost instantaneous rise occurred of 10γ followed by a fall which reached its minimum at 01h. 50m. The total range in V was not large but soon after 6^h a series of very rapid oscillations set in and continued throughout the day. The photographic registration was not sufficiently good to follow these in detail but between 8h and 9h some movements of 25 in not more than two minutes can be seen.

Small disturbances were apparent on all succeeding days.

Pulsations of 'V' were conspicuous on the $11_d\ 4^h$—5^h and the 16^d 23h.

T=* : Mean Dip=θ=* (X=·22338; Y=−·04558 :Z=*).

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

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of JULY 1927

Declination (West)		Horizontal Force (C.G.S. Unit		Dip (South). A. M. Observations		Resulting	P. M Observations.		Resulting
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Vertical Force	Day and Hour.	Observed Value.	Vertical Force
d h m	° ′	h m		d h m	′		d h m	° ′	
JULY 19· 9·55	11.31·82	JULY 19·12·42	·22823	JULY 19. 9.32	52.23·53		JULY 22·14·25	52·30·60	...
22·14.46	11.31·23	23· 9·33	·22778	26· 9·36	52.28·37		26·15·04	52·32·28	...
26· 9.50	11.33·67	27· 9·38	·22831						...
26.14 53	11.29·33								

*See note at foot of Table V.

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

JULY 1927.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	11° +																
Midnight	32·2						...	33·0	32·2	33·0	32·8	32·2	32·2	32·6	33·0	32·0	Midnight
1h	32·2						...	33·0	32·0	32·4	32·6	32·2	32·2	32·4	32·4	32·0	1h
2	32·2						...	32·4	31·8	32·4	32·8	32·0	32·2	32·8	32·4	31·8	2
3	32·8						...	32·0	32·0	32·4	32·4	32·0	32·2	32·8	32·2	29·6	3
4	33·2						...	32·0	32·0	32·0	32·2	32·0	32·0	33·0	32·4	30·0	4
5	33·0						...	32·0	31·8	32·2	32·0	31·8	31·8	32·8	32·2	30·4	5
6	32·0						...	31·6	31·6	32·0	32·0	31·0	31·6	32·6	32·0	30·2	6
7	30·8						...	31·4	31·2	31·6	30·2	30·0	30·4	32·0	31·0	31·8	7
8	...						...	32·2	32·2	31·6	30·4	30·6	30·8	31·8	31·0	32·0	8
9	...						...	33·8	34·0	33·0	32·0	32·2	32·8	33·4	31·8	32·0	9
10	.						...	33·8	34·6	34·0	34·0	33·8	33·6	34·0	32·4	32·2	10
11	...						...	33·2	34·2	34·2	34·0	33·6	33·2	34·2	32·4	33·8	11
Noon	...						..	33·0	34·0	33·6	34·0	32·8	32·0	34·2	32·2	34·4	Noon
13h	...						...	32·0	32·6	31·0	32·0	31·6	30·6	33·0	32·0	34·2	13h
14	...						...	30·6	30·0	29·0	28·6	27·2	28·4	32·0	30·8	33·6	14
15	...						...	30·2	28·0	29·0	27·8	28·0	28·2	30·2	29·8	30·0	15
16	...						...	30·2	28·0	29·6	28·0	28·0	30·0	30·2	28·2	30·0	16
17	...						...	31·8	30·0	30·8	30·0	30·2	31·4	31·8	30·2	31·8	17
18	...						...	32·8	31·8	32·0	32·0	31·8	32·0	33·2	31·8	32·2	18
19	...						...	33·4	32·0	32·2	32·0	32·0	32·4	33·8	32·0	32·8	19
20	...						33·0	33·4	32·0	32·2	30·8	31·8	32·4	33·6	32·0	33·0	20
21	...						33·0	33·6	32·2	32·6	31·0	32·0	32·4	33·2	32·0	33·0	21
22	...						33·0	33·6	32·2	33·0	32·0	32·0	32·4	33·0	32·0	33·0	22
23	...						33·0	33·6	32·2	33·4	32·0	32·0	32·4	33·0	31·8	32·6	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
	11° +																
Midnight	32·2	32·2	32·2	32·0	32·4	32·0	33·8	33·0	32·8	32·6	32·8	33·8	32·2	32·4	33·0	32·6	Midnight
1h	32·0	32·0	32·0	31·8	32·0	30·0	31·4	33·0	33·6	32·8	32·4	33·8	32·2	32·4	33·2	32·3	1h
2	32·0	32·0	31·8	30·6	31·8	28·0	31·2	31·6	33·0	32·8	32·4	34·2	32·2	32·4	33·4	32·1	2
3	32·0	31·8	31·8	31·4	31.6	31·0	31·8	31·6	32·4	32·2	30·6	33·8	32·2	32·4	32·8	32·0	3
4	32·0	31·8	31·8	31·4	30·0	32·0	31·8	32·0	32·2	32·0	29·8	33·4	32·2	32·4	32·6	31·9	4
5	30·8	32·0	31·6	31·6	31·0	31·8	31·8	32·0	32·0	32·0	31·6	33·0	32·2	32·2	32·4	31·9	5
6	32·0	31·8	31·6	31·2	30·4	29·0	31·8	31·8	31·8	31·8	31·4	32·0	32·2	32·2	32·0	31·6	6
7	30·2	30·6	30·8	30·0	30·0	12·0	31·8	30·4	30·4	30·4	29·8	30·2	31·8	32·0	31·6	30·1	7
8	30·2	30·4	30·6	29·8	30·8	20·0	32·2	30·4	30·8	31·0	30·0	30·4	32·4	32·2	31·8	30·7	8
9	32·0	31·4	31·8	30·8	32·8	29·0	33·4	33·2	32·2	33·0	32·6	33·4	34·4	33·6	33·4	32·6	9
10	31·8	31·8	32·2	31·4	33·8	26·0	33·6	34·2	33·8	34·4	35·0	33·6	36·0	35·2	34·4	33·3	10
11	32·0	32·4	32·8	33·8	33·6	28·0	32·8	34·4	34·2	36·0	37·8	34·0	36·4	35·4	35·4	33·8	11
Noon	33·6	32·2	33·2	34·0	32·4	32·0	32·2	34·0	34·0	35·8	37.6	33·0	36·0	34·4	34·4	33·7	Noon
13h	32·0	32·8	32·4	33·0	31·2	30·0	32·0	32·0	33·8	33·8	36·0	32·0	34·0	32·0	32·4	32·4	13h
14	30·4	32·8	30·4	32·0	30·0	31·0	30·0	30.0	32·0	31·0	34·4	30·4	30·6	30·4	30·0	30·7	14
15	30·0	32·0	29·8	29·0	29·6	31·2	29·0	28·6	30·4	29·0	32·4	30·0	30·2	28·6	27·0	29·5	15
16	30·0	31·6	29·8	32·0	29·6	31·0	29·2	29·6	30·4	29·6	30·0	30·8	30·2	29·0	27·0	29·7	16
17	31·0	32·0	31·4	31·8	30·8	34·0	31·4	32·0	32·0	31·0	30·8	32·0	31·8	31·0	30·0	31·3	17
18	32·2	33·1	32·4	32·2	32·0	35·4	33·0	32·4	32·6	32·4	32·0	33·4	32·8	32·4	31·6	32·5	18
19	32·4	33·8	33·0	32·8	32·4	34·4	33·4	33·0	33·0	32·2	32·8	33·6	33·4	32·8	32·4	32·8	19
20	32·2	33·8	33·6	33·2	32·2	34·4	33·4	33·0	33·0	32·4	32·8	33·2	33·6	33·2	32·6	32·8	20
21	32·4	33·4	33·4	32·6	32·2	36·0	33·6	33·0	33·0	32·2	33·0	33·0	33·6	33·2	33·0	32·9	21
22	33·0	33·0	33·0	32·2	32·0	34·4	33·8	32·8	32·8	32·2	32·8	32·4	33·4	33·2	32·8	32·8	22
23	32·4	32·4	32·2	33·0	32·2	35·0	33·2	32·6	32·6	32·0	33·8	32·2	33·0	33·0	33·2	32·7	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).

JULY 1927.

Day. / Hour.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	·22000 + (C.G.S. UNIT).																
Midnight	788						...	775	785	791	801	801	798	804	802	800	Midnight
1h	789						...	778	785	795	802	803	796	804	806	801	1h
2	790						...	780	785	795	803	802	800	800	805	802	2
3	795						...	785	785	793	800	803	801	804	808	804	3
4	781						...	789	785	795	800	805	802	801	807	806	4
5	780						...	793	790	795	804	802	803	809	808	806	5
6	790						...	799	790	797	805	804	803	810	810	808	6
7	795						...	805	798	800	808	809	808	808	814	812	7
8	...						...	807	801	803	810	810	812	808	818	818	8
9	...						...	798	800	805	810	809	812	803	814	819	9
10	...						...	788	800	804	806	803	810	810	812	813	10
11	...						...	781	801	800	802	802	814	810	812	810	11
Noon	...						...	790	803	801	795	800	817	802	817	812	Noon
13h	...						...	796	800	796	790	793	820	812	815	828	13h
14	...						...	798	795	793	791	809	823	813	810	832	14
15	...						...	792	780	795	795	802	819	810	802	820	15
16	...						...	783	778	790	791	795	809	803	800	803	16
17	...						...	780	781	793	792	794	801	800	795	797	17
18	...						...	779	785	799	796	800	803	802	800	798	18
19	...						...	775	785	800	798	800	809	804	799	800	19
20	...						765	775	785	800	798	796	807	806	794	802	20
21	...						771	779	790	800	791	793	805	805	795	801	21
22	...						772	780	790	800	791	792	808	808	797	801	22
23	...						774	783	790	800	791	798	802	803	798	800	23

Day / Hour.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d	30d.	31	Mean	Day / Hour
	·22000 + (C.G.S. UNIT).																
Midnight	800	780	793	792	801	801	732	770	782	791	804	785	802	810	809	792·0	Midnight
1h	801	790	794	793	799	830	742	772	789	799	813	787	805	810	803	795·7	1h
2	803	792	800	809	800	861	760	773	785	793	810	790	807	810	800	798·5	2
3	809	796	801	802	803	832	751	775	789	799	815	790	808	809	802	798·5	3
4	810	800	803	802	809	800	755	775	790	800	818	797	809	809	803	798·7	4
5	816	803	807	808	812	800	758	779	798	801	813	804	809	810	808	801·5	5
6	821	808	810	811	813	791	761	780	800	800	813	809	808	810	810	803·0	6
7	829	809	813	815	821	822	768	782	808	808	819	812	810	810	811	808·3	7
8	836	813	818	821	825	830	772	790	810	810	820	813	810	812	816	811·8	8
9	830	817	815	826	819	822	779	796	812	808	822	810	805	811	821	811·0	9
10	810	818	815	819	810	761	778	790	814	802	827	806	808	809	821	805·6	10
11	810	819	818	813	808	797	770	790	811	800	826	804	811	800	819	801·6	11
Noon	810	821	820	810	810	700	773	793	809	797	824	804	820	809	815	802·2	Noon
13	817	821	821	798	810	700	771	807	810	793	812	804	827	805	806	802·2	13h
14	814	818	828	802	805	738	769	805	810	808	806	798	834	795	809	804·3	14
15	802	810	818	811	802	742	733	798	802	802	805	798	819	794	802	798·0	15
16	786	801	802	800	800	732	760	780	796	791	787	798	807	794	797	791·0	16
17	779	795	795	802	801	689	762	773	790	793	791	799	801	798	790	787·1	17
18	780	799	794	805	805	735	760	779	791	798	791	801	805	800	788	791·4	18
19	772	799	792	803	802	700	764	780	790	793	800	801	808	801	790	790·2	19
20	770	797	784	800	801	719	761	785	790	797	803	800	809	803	790	790·5	20
21	773	796	782	799	802	723	760	788	790	798	802	800	809	803	791	790·6	21
22	777	793	790	793	803	750	773	787	791	797	795	799	809	803	789	792·3	22
23	780	791	791	808	802	738	770	789	792	796	788	800	809	801	790	792·1	23

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

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

JULY 1927.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	K + (10—5 C.G.S. UNIT.)																
Midnight	27	32	30	30	29	29	29	30	31	30	30	30	30	30	30	30	Midnight
1h	27	31	30	30	29	29	29	30	31	30	30	30	30	29	30	29	1h
2	26	30	29	30	29	28	27	30	31	30	30	30	30	29	29	28	2
3	25	29	28	29	29	28	28	29	32	31	30	30	30	29	29	27	3
4	27	28	28	28	28	27	28	30	32	32	31	30	30	29	29	27	4
5	28	28	28	27	27	28	27	29	32	32	31	31	30	29	29	27	5
6	27	28	28	27	27	28	27	28	32	32	31	32	30	30	29	28	6
7	25	26	27	26	23	23	24	27	30	31	29	30	30	28	27	26	7
8	23	27	27	26	25	23	26	30	32	33	30	32	33	31	29	27	8
9	28	30	31	31	27	27	31	32	35	37	32	37	38	37	32	30	9
10	29	33	32	33	29	30	33	32	33	39	35	36	37	41	32	33	10
11	23	32	31	30	28	29	34	32	28	33	33	37	30	38	31	31	11
Noon	14	27	30	23	28	28	27	27	21	30	32	34	23	33	28	22	Noon
13h	13	21	26	13	22	22	17	21	13	23	24	25	16	23	18	08	13h
14	14	16	18	08	18	19	13	15	10	22	22	20	13	15	11	00	14
15	20	12	16	10	20	20	12	17	12	21	21	22	17	10	04	03	15
16	23	17	20	12	21	23	20	21	18	23	25	27	20	16	06	02	16
17	30	23	23	18	26	27	27	27	27	30	30	32	27	25	17	14	17
18	35	27	27	25	29	28	31	31	30	32	32	35	31	30	24	22	18
19	33	28	29	27	29	28	31	32	30	32	32	34	31	32	28	27	19
20	32	30	30	28	29	28	30	32	30	31	32	34	31	32	29	28	20
21	32	30	30	29	29	28	31	32	30	31	32	33	31	32	31	30	21
22	32	32	31	29	29	28	30	32	30	30	31	33	30	32	31	30	22
23	32	30	31	29	29	28	30	32	30	30	30	32	30	32	31	30	23

Hour. / Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
	K + (10—5 C.G.S. UNIT.)																
Midnight	30	33	31	30	31	30	40	38	37	37	36	37	36	34	36	32·0	Midnight
1h	29	32	30	30	30	30	40	38	38	37	35	37	35	33	35	31·8	1h
2	28	31	30	29	30	18	40	37	38	37	34	37	35	33	35	30·9	2
3	28	30	29	30	29	25	40	38	38	37	33	35	34	32	33	30·8	3
4	27	30	28	30	28	28	40	38	38	36	32	35	34	32	33	30·7	4
5	26	30	28	29	29	30	40	39	38	37	35	35	35	32	33	30·9	5
6	27	29	27	29	29	29	40	38	39	37	36	35	36	33	34	31·0	6
7	23	28	25	25	25	15	40	36	37	36	33	33	35	33	35	28·7	7
8	23	28	26	25	27	26	40	39	37	38	34	35	38	36	36	30·4	8
9	27	31	29	30	33	42	42	41	40	45	42	41	43	40	40	34·9	9
10	27	32	28	32	37	38	37	40	42	50	43	43	43	43	40	35·9	10
11	25	31	28	33	35	44	32	34	39	48	41	42	36	42	35	33·7	11
Noon	25	28	26	34	33	49	28	26	31	40	33	28	26	36	27	28·9	Noon
13h	24	26	22	32	30	44	25	17	23	28	28	26	09	28	18	22·1	13h
14	22	24	13	27	23	40	22	13	22	24	20	20	00	20	17	17·5	14
15	20	24	13	11	18	35	24	17	23	22	14	19	02	15	16	16·4	15
16	22	22	20	16	21	33	29	24	28	22	13	23	12	20	20	20·0	16
17	28	24	22	23	27	42	34	35	33	33	23	30	23	27	30	27·0	17
18	32	29	26	28	31	42	40	37	38	38	32	36	30	33	35	31·5	18
19	32	30	26	28	30	39	40	38	38	38	35	37	33	37	37	32·3	19
20	34	30	29	29	30	43	40	38	38	38	35	37	34	37	38	32·8	20
21	35	31	30	28	30	42	39	38	39	38	37	38	35	37	39	33·1	21
22	37	31	30	30	30	40	39	37	38	38	37	37	36	37	39	33·1	22
23	35	31	30	32	30	40	37	36	37	38	38	37	35	37	40	32·9	23

* Absolute values cannot be allotted. The figures are consistent apart from instrumental drift throughout the month, but discontinuities may occur between successive months. These will be noted

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of JULY 1927.

Month and Day 1927	Observations at 10 a.m. Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat.: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees*	Wind. Velocity.	Temperature of the Air. Highest.	Lowest.	Range	Amount of Cloud (Scale 0—10)	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	973·9	18·1	0·4	17·4	96	19·7	280	8·1	Thermometer broken	15·1		2·6	5·0	9·5	87
2	973·1	18·7	1·4	16·1	83	18·1	280	4·9		15·6		4·3	4·8	8·2	75
3	972·8	18·2	2·0	14·5	79	16·4	290	4·5		12·8		4·2	0·6	9·8	90
4	971·9	17·5	1·3	15·1	86	17·0	290	1·3		12·5		1·6	0·7	10·0	92
5	971·4	18·8	1·4	16·2	85	18·2	280	1·3		12·9		1·0	0·0	10·0	92
6	971·2	18·9	1·0	17·1	89	19·3	330	0·9		12·9		2·5	0·4	8·7	80
7	973·7	17·0	0·7	15·7	92	17·7	300	5·8		12·9		4·1	1·5	7·5	69
8	976·5	17·4	1·5	14·6	84	16·5	290	11·2		13·7		4·0	0·2	8·1	74
9	977·7	16·0	0·8	14·5	91	16·4	290	9·8		12·8		6·3	2·2	8·2	75
10	978·3	18·0	1·0	16·2	89	18·2	280	6·3		12·4		4·0	10·7	8·8	81
11	976·8	18·9	1·0	17·1	89	19·3	290	7·2		15·5		2·4	1·4	9·9	91
12	974·2	18·9	1·3	16·5	86	18·6	280	5·8		14·3		2·7	0·3	10·0	91
13	972·9	18·0	1·0	16·2	89	18·2	280	8·1		15·0		5·1	1·4	8·0	73
14	971·1	19·1	1·3	16·7	86	18·8	280	7·6		14·3		4·4	1·7	10·3	94
15	971·7	19·2	1·4	16·6	85	18·7	270	6·3		16·1		7·0	1·4	3·3	30
16	972·1	17·9	1·0	16·1	89	18·1	300	0·5		15·6		3·1	1·3	10·3	94
17	971·4	19·2	1·3	16·8	86	18·9	280	4·5		11·0		4·0	0·4	7·4	67
18	972·5	17·9	1·1	15·9	88	17·9	290	1·8		12·3		2·1	0·0	9·3	85
19	973·1	16·0	0·6	14·9	93	16·8	300	5·4		14·2		7·0	1·2	7·4	67
20	974·8	17·3	0·7	16·6	92	18·0	290	6·3		13·7		8·2	2·5	7·9	72
21	974·7	15·0	0·1	14·8	99	16·7	290	6·7		12·9		8·2	5·0	6·4	58
22	975·4	14·2	0·4	13·4	94	15·2	300	10·3		12·7		6·0	15·2	3·7	34
23	975·1	14·4	0·5	13·4	93	15·2	290	9·8		12·4		6·0	18·2	5·1	46
24	975·1	16·1	0·7	14·8	93	16·7	290	11·2		12·2		5·5	15·2	9·5	86
25	975·4	17·4	1·0	15·6	89	17·6	290	10·3		13·9		5·1	10·2	8·5	77
26	975·0	16·0	0·8	14·5	91	16·4	280	5·4		13·6		7·2	5·3	2·8	25
27	974·1	18·1	1·0	16·3	89	18·4	290	4·0		14·9		5·1	18·2	6·0	54
28	972·3	17·2	1·1	15·2	88	17·1	280	4·0		13·8		6·5	7·2	6·5	59
29	971·6	17·5	1·2	15·3	87	17·2	270	4·0		14·4		5·1	6·2	8·4	76
30	971·9	19·0	1·6	16·1	83	18·1	280	1·3		14·2		5·2	2·7	6·6	60
31	971·6	19·1	2·1	15·3	78	17·2	290	4·9		14·2		2·4	0·2	9·7	87
Mean	973·6	17·6	1·5	15·6	88·4	17·6	289·4°	5·7		13·7		4·6	Sum 141·3	7·93	72·3
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.:

Atmospheric Pressure	+ 42·6 mbs
Temperature of the Air	+ 3·4°C
Vapour Tension	— 0·7 mbs
Relative Humidity	— 19·7%
Direction of Wind	19·3°S
Velocity of Wind	0·0 m.p.s.
Amount of cloud	0·0

Amount of rain	— 88·2 m.m.
Duration of sunshine	+ 1·3 hrs
Mean of highest temperatures	...
Mean of lowest temperatures	+ 2·2
Absolute highest temperature	...
Absolute lowest temperature	+ 2·0

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

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JULY 1927.

Month and Day 1927.	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	Elasti 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)
	mbs.	mbs.	c	c	c	c	c	c		c			mbs.	c	mm.	min.	mm.	
1	1015·3	+ 1·6	23·5	15·9	7·6	20·0	0·0	2·2	16·1	+ 0·4	78	+ 2	18·1	11·4	1·8	16	2·6	3·9
2	1014·6	+ 0·8	22·8	16·6	6·2	19·4	− 0·6	2·1	15·6	− 0·1	79	+ 3	17·6	10·7	10·7	90	4·6	5·0
3	1013·7	− 0·1	22·8	14·6	8·2	18·7	− 1·3	2·7	13·8	− 1·8	73	− 3	15·6	8·6	0·0	...	3·5	3·5
4	1012·8	− 1·1	23·2	13·6	9·6	18·7	− 1·3	2·9	13·5	− 2·1	72	− 4	15·3	8·9	0·0	...	4·0	1·6
5	1012·2	− 1·7	23·7	14·5	9·2	18·7	− 1·3	2·6	13·9	− 1·7	73	− 3	15·7	9·4	0·0	...	4·0	1·4
6	1012·6	− 1·3	23·3	13·0	10·3	17·9	− 2·1	1·9	14·4	− 1·2	80	+ 4	16·3	8·0	0·1	2	2·1	3·6
7	1015·7	+ 1.8	22·9	13·1	9·8	18·0	− 1·9	2·8	12·9	− 2·7	73	− 3	14·8	8·3	0·0	...	4·8	4·2
8	1018·9	+ 5·0	22·3	17·2	5·1	19·5	− 0·4	4·6	11·2	− 4·3	59	− 17	13·2	13·4	0·0	...	5·0	7·4
9	1019·8	+ 5·9	22·2	16·8	5·4	18·9	− 1·0	2·6	14·2	− 1·3	75	− 1	16·1	12·5	4·2	110	5·4	5·8
10	1019·7	+ 5·8	22·6	16·2	6·4	19·2	− 0·7	2·7	14·3	− 1·2	74	− 2	16·2	14·0	1·1	5	3·5	5·2
11	1017·8	+ 3·9	23·3	17·7	5·6	20·0	+ 0·1	2·7	15·2	− 0·3	74	− 2	17·1	11·6	0·5	5	5·2	2·7
12	1015·5	+ 1·6	23·0	16·4	6·6	19·3	− 0·5	3·0	13·9	− 1·6	71	− 5	15·7	10·7	0·0	...	3·8	2·2
13	1014·3	+ 0·4	22·3	17·0	5·3	19·1	− 0·7	2·3	14·9	− 0·5	77	+ 1	16·8	12·6	2·0	30	4·0	4·0
14	1013·0	− 0·9	24·1	16·5	7·6	20·3	+ 0·5	2·3	16·2	+ 0·8	77	+ 2	18·2	14·6	0·7	10	4·3	4·7
15	1012·8	− 1·1	23·2	17·6	5·6	20·2	+ 0·4	1·8	17·0	+ 1·6	82	+ 7	19·2	14·0	2·6	22	4·1	5·2
16	1013·6	− 0·3	24·0	15·9	8·1	19·8	0·0	2·6	15·2	− 0·2	75	0	17·1	12·6	0·0	...	3·4	2·5
17	1013·3	− 0·6	23·9	15·0	8·9	19·2	− 0·6	2·2	15·2	− 0·1	78	+ 3	17·1	10·7	0·0	...	3·0	6·5
18	1013·9	0·0	23·9	14·0	9·9	19·3	− 0·5	2·9	14·1	− 1·2	72	− 3	15·9	10·7	0·0	...	3·6	3·0
19	1015·0	+ 1·1	22·7	16·0	6·7	19·0	− 0·8	2·7	14·1	− 1·2	73	− 2	15·9	12·7	0·1	5	4·3	5·9
20	1016·3	+ 2·5	22·2	16·4	5·8	18·9	− 0·9	3·6	12·4	− 2·9	66	− 9	14·3	11·7	0·2	10	4·2	5·5
21	1017·1	+ 3·3	21·7	15·6	6·1	18·2	− 1·6	2·7	13·3	− 1·9	73	− 2	15·1	12·1	0·0	...	3·6	5·3
22	1017·1	+ 3·3	20·3	16·1	4·2	17·6	− 2·2	2·5	13·0	− 2·2	75	0	14·9	12·3	4·6	70	0·6	4·4
23	1016·6	+ 2·8	21·2	15·2	6·0	17·9	− 1·9	2·8	12·8	− 2·4	72	− 3	14·7	12·1	2·3	35	3·9	5·0
24	1016·5	+ 2·7	22·2	15·9	6·3	18·9	− 0·9	3·1	13·3	− 1·8	70	− 5	15·1	15·1	0·7	20	4·5	3·5
25	1017·0	+ 3·2	23·2	17·9	5·3	20·1	+ 0·3	3·7	13·5	− 1·6	66	− 9	15·3	14·2	0·0	...	5·7	4·9
26	1016·3	+ 2·5	22·9	16·2	6·7	18·6	− 1·2	1·5	16·0	+ 0·9	85	+ 10	18·0	13·8	11·7	250	3·2	6·9
27	1014·9	+ 1·1	22·3	17·3	5·0	19·2	− 0·6	1·6	16·3	+ 1·2	84	+ 9	18·4	14·5	7·0	185	5·0	8·0
28	1013.4	− 0·4	22·3	16·7	5·6	19·0	− 0·8	2·0	15·4	+ 0·4	79	+ 4	17·3	13·2	1·3	25	3·1	5.7
29	1013·0	− 0·8	22·9	16·4	6·5	19·4	− 0·4	2·3	15·2	+ 0·2	77	+ 2	17·1	13·2	1·3	25	5·0	7·7
30	1013·6	− 0·2	23·2	16·8	6·4	19·5	− 0·3	2·5	15.0	0·0	76	+ 1	16·9	12·6	0·2	10	4·8	5·9
31	1013·4	− 0·4	23·6	15·0	8·6	19·1	− 0·7	2·6	14·4	− 0·6	74	− 1	16·3	10·1	0·0	...	3·6	4·9
Mean	1015·1	+ 1·3	22·8	15·9	6·9	19·1	−0.8	2·6	14·4	− 0·9	74·6	− 0.8	16·3	11·9	Sum. 53·1	Sum 925	3·9	4·8
Aver.	1013·8	...	23·9	16·4	7·5	19·9	...	2·7	15·3	...	75·4	...	17·2	13·0	63·3	1461	3·4	4·9
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JULY 1927.

Pressure fell steadily from the 1st to the 3rd and remained below normal till the 6th. Two marked positive waves of pressure followed, culminating on the 9th and the 22nd respectively both of which were accompanied by characteristic anticyclonic conditions. In the mean for the month, pressure was 1·3 mbs above normal.

Temperature was below normal on all days except on the 11th, 14th, 15th and the 25th.

Relative Humidity was variable during the month and 0·8% below in the mean.

Wind velocity fell generally to below normal with each fall of pressure and rose to above normal with each rise. It was 0.46 mps above normal for the month.

Rainfall at the Observatory was 17% below normal and fell on 19 days, but the distribution was somewhat bad, nearly 50% of the total fall occurred between the 22d and 27th.

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

Northern Districts	River System 1,	21% below
Eastern Districts	,, ,, 2, 3, 4,	9% ,,
South-Eastern Districts	,, ,, 5 & 6	25% above
Western Districts	River System 11	73% ,,
	,, ,, 12	8% below
	,, ,, 13	64% ,,

14th November, 1927

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JULY 1927

Month and Day 1927.	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	6 inches	3 inches	Weather
JULY	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	
1	9·3	85	− 1·9	+ 3·5	299	4·0	4·1	+ 0·4	25·4	24·4	22·7	21·7	21·1	21·8	f : b .
2	9·0	83	− 2·4	+ 3·3	306	4·1	4·1	+ 0·4	25·4	24·4	22·7	21·6	20·8	21·3	f : c : f : b .
3	8·8	81	− 2·4	+ 2·5	314	3·5	3·6	− 0·1	25·3	24·4	22·6	21·4	20·5	20·9	f : b .
4	9·8	90	− 2·0	+ 2·5	309	3·2	3·3	− 0·4	25·3	24·4	22·6	21·3	20·4	20·9	b .
5	10·3	95	− 1·9	+ 1·8	317	2·6	2·6	− 1·1	25·3	24·4	22·5	21·1	20·3	20·8	b .
6	3·2	29	− 1·3	+ 0·6	335	1·4	1·9	− 1·8	25·4	24·4	22·4	20·9	20·0	20·4	b : f : b .
7	8·1	74	− 3·3	+ 1·6	334	3·6	3·8	+ 0·1	25·3	24·4	22·3	20·7	19·9	20·4	b : f : c .
8	6·0	55	− 3·3	+ 3·3	315	4·7	4·7	+ 1·0	25·4	24·3	22·1	20·6	20·0	20·4	c .
9	8·7	80	− 3·2	+ 4·7	304	5·7	5·7	+ 2·0	25·3	24·3	22·0	20·6	19·9	20·6	f : c .
10	8·7	80	− 2·7	+ 4·2	303	5·0	5·1	+ 1·4	25·3	24·2	22·0	20·6	20·0	20·6	c : f .
11	10·1	93	− 2·6	+ 3·3	308	4·2	4·2	+ 0·5	25·3	24·2	21·9	20·7	20·3	21·2	f : b .
12	9·5	86	− 1·9	+ 2·4	308	3·0	3·2	− 0·5	25·3	24·2	21·9	20·8	20·3	21·1	b : f : b .
13	7·5	68	− 2·6	+ 3·8	304	4·6	4·7	+ 0·9	25·3	24·0	21·9	20·8	20·1	20·8	b : c : f : b .
14	9·9	90	− 1·8	+ 3·6	297	4·0	4·1	+ 0·3	25·3	24·1	21·9	20·8	20·2	21·1	b : f : c .
15	5·1	46	− 1·0	+ 2·9	289	3·0	3·2	− 0·6	25·0	23·9	21·9	20·9	20·7	21·6	c : f : og : f .
16	9·9	90	− 1·9	+ 1·6	320	2·5	2·5	− 1·3	25·2	24·1	21·9	21·2	21·0	22·1	b : f .
17	6·0	55	− 2·0	+ 1·9	316	2·7	2·9	− 0·9	25·0	23·9	22·0	21·4	21·0	21·8	c : f : b .
18	9·8	89	− 2·1	+ 1·3	328	2·4	2·7	− 1·1	25·3	23·9	22·0	21·3	20·7	21·4	b : f : b .
19	7·9	72	− 3·5	+ 1·7	334	3·9	4·0	+ 0·2	25·2	23·9	22·0	21·2	20·8	21·4	c : f : b .
20	6·0	55	− 3·5	+ 2·7	322	4·4	4·6	+ 0·8	24·9	23·9	22·0	21·1	20·5	20·9	f : c : f .
21	7·7	70	− 3·5	+ 2·9	320	4·5	4·7	+ 0·9	25·1	23·9	21·6	20·8	20·1	20·5	f : c : f .
22	7·8	71	− 4·8	+ 4·8	315	6·8	6·8	+ 3·0	25·2	23·9	21·9	20·6	19·7	20·0	b : c : f .
23	7·8	70	− 4·1	+ 4·8	311	6·3	6·4	+ 2·6	25·2	23·9	21·8	20·4	19·3	19·5	f : c : f .
24	8·5	77	− 4·8	+ 5·1	313	7·0	7·1	+ 3·3	25·2	23·9	21·6	20·1	19·2	19·8	f : c : b .
25	9·3	84	− 3·2	+ 6·3	297	7·0	7·2	+ 3·4	24·9	23·7	21·5	20·2	19·7	20·4	f : og : f .
26	3·9	35	− 1·8	+ 4·0	294	4·4	4·6	+ 0·8	25·0	23·7	21·5	20·4	19·8	20·5	b : f : ogp .
27	8·9	80	− 2·3	+ 4·4	298	4·9	5·0	+ 1·2	24·9	23·7	21·4	20·4	20·1	20·9	cg .
28	9·5	86	− 2·2	+ 3·3	304	3·9	4·0	+ 0·2	24·9	23·8	21·5	20·7	20·3	21·1	cg .
29	7·0	63	− 2·1	+ 2·6	309	3·3	3·4	− 0·5	25·0	23·7	21·5	20·8	20·5	21·4	c .
30	5·8	52	− 2·2	+ 2·9	307	3·6	3·7	− 0·2	25·0	23·6	21·6	21·0	20·8	21·7	cg f .
31	7·1	63	− 2·4	+ 1·9	322	3·0	3·1	− 0·8	24·8	23·6	21·7	21·1	20·6	21·4	f : c .
Mean	7·96	72·5	− 2·60	+ 3·10	310·0	4·05	42·3	+ 0.46	25·17	24·04	21·98	20·89	20·28	20·92	...
Average	7·73	70·0	− 1·49	+ 3·03	296·2	3·38	3·77	...	25·17	24·44	22·62	21·93	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JULY 1927.

Element	Highest		Date		Lowest		Date
Atmospheric Pressure	1021·0mbs	at 10h. 21d & 22h	on 9th & 10h	on 10th	1011·0mbs	at 15h	on 5th
Temperature of the Air	24·1C	at 12·30	on 14th		13·0C	at 05·40h	on 6th
Daily range of temperature of the Air...	10·3C	...	on 6th		4·2C	...	on 22nd
Temperature of the Dew Point	18·2C	at 20h	on 15th		9·7C	at 11h	on 8th
Daily range of temperature of the Dew Point	6·2C	...	... on 7th		1·8C	...	on 31st
Relative humidity...	100·0%	at 4h	on 6th		45·8%	at 11h	on 8th
Wind Velocity	11·0 m.p.s.	at 12h	on 25th		0·6 mps	at 21h & 22h	on 1st
Rainfall	16·1 mm	ending 7h	on the 27th		..	...	...
Temperature of the soil at 3 ins. ...	23·7C	at 18h	on 16th		18·6C	at 9h	on 24th
, at 6 ins. ...	21·7 C	at 18h & 21h	on 16th		18·7C	at 9h	on 24th
Duration of sunshine	10·3 hrs.	...	on 5th		3·2hrs.	...	6th
Amount of Evaporation in 24 hours	5·7 mm.	...	on 25th		0·6 m.m.	...	on 22nd
Vapour Tension	20·7 mbs	at 20h	on 15th		11·9 mbs	at 11h	on 8th
Minimum on Grass	...	...	...		8·0°C	...	on 6th

Number of Days Overcast, 3. Clear 6, of Rain 19 of Lightning 0. of Thunderstorm 0.

Mean Day Temperature of Air, 20·63C. Average 21·57C Mean Night Temperature of Air, 17·52C. Average 18·15oC.

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

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

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

JULY 1927.

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	0160	0153	0154	0137	0133	0121	0142	0183	0199	0204	0200	0167	0153	0146	0134	0139	Midnight
1h	0159	0151	0144	0137	0132	0126	0142	0182	0196	0203	0196	0163	0153	0141	0133	0137	1h
2	0157	0147	0150	0133	0131	0123	0140	0180	0194	0200	0189	0159	0150	0137	0130	0132	2
3	0153	0144	0146	0130	0129	0123	0138	0176	0192	0197	0188	0154	0146	0133	0127	0130	3
4	0149	0140	0140	0127	0124	0120	0138	0177	0191	0193	0182	0152	0139	0130	0121	0130	4
5	0149	0137	0136	0125	0120	0119	0137	0177	0190	0193	0180	0151	0138	0129	0120	0130	5
6	0150	0140	0138	0129	0122	0123	0141	0183	0193	0198	0181	0154	0139	0129	0123	0134	6
7	0151	0147	0141	0131	0126	0128	0149	0189	0197	0200	0185	0159	0142	0131	0128	0136	7
8	0157	0150	0148	0135	0129	0131	0159	0193	0202	0202	0190	0163	0148	0135	0131	0144	8
9	0162	0155	0155	0142	0133	0136	0163	0200	0209	0207	0193	0168	0152	0140	0138	0150	9
10	0162	0158	0156	0142	0132	0133	0170	0202	0210	0210	0192	0167	0148	0140	0140	0150	10
11	0161	0153	0150	0137	0131	0131	0163	0198	0209	0206	0190	0161	0148	0135	0140	0148	11
Noon	0157	0150	0141	0130	0124	0124	0160	0193	0200	0200	0181	0157	0142	0129	0133	0140	Noon
13h	0148	0139	0130	0119	0114	0117	0150	0189	0190	0193	0172	0153	0138	0120	0122	0131	13h
14	0143	0133	0119	0115	0112	0112	0149	0180	0189	0184	0167	0146	0132	0116	0116	0128	14
15	0142	0132	0119	0113	0110	0112	0149	0178	0184	0180	0163	0142	0129	0113	0115	0125	15
16	0140	0134	0119	0114	0111	0112	0150	0180	0189	0183	0163	0142	0130	0111	0116	0123	16
17	0141	0139	0119	0118	0112	0119	0158	0184	0193	0190	0166	0143	0131	0113	0119	0126	17
18	0149	0144	0123	0119	0117	0123	0160	0190	0196	0191	0168	0145	0137	0119	0121	0130	18
19	0151	0150	0128	0121	0118	0128	0167	0193	0201	0198	0168	0150	0142	0124	0127	0133	19
20	0153	0151	0133	0130	0120	0137	0173	0197	0208	0200	0170	0152	0150	0131	0130	0140	20
21	0157	0154	0133	0133	0121	0139	0179	0199	0210	0200	0170	0156	0150	0136	0134	0142	21
22	0158	0157	0139	0133	0121	0142	0182	0200	0210	0200	0170	0159	0149	0139	0138	0143	22
23	0159	0155	0139	0133	0121	0141	0183	0199	0208	0200	0170	0157	0150	0138	0140	0141	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day / Hour
	When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.																
Midnight	0140	0141	0150	0167	0170	0181	0174	0171	0170	0177	0160	0150	0133	0138	0145	1015·8	Midnight
1h	0140	0140	0150	0163	0169	0180	0174	0170	0170	0171	0157	0151	0130	0139	0144	1015·6	1h
2	0135	0135	0149	0163	0169	0174	0170	0167	0169	0170	0151	0146	0126	0134	0141	1015·3	2
3	0130	0135	0147	0161	0163	0171	0170	0161	0160	0167	0149	0138	0125	0132	0136	1015·0	3
4	0130	0135	0143	0160	0162	0165	0167	0160	0157	0167	0147	0135	0123	0131	0135	1014·7	4
5	0130	0132	0143	0159	0160	0164	0162	0160	0160	0166	0144	0135	0123	0130	0136	1014·6	5
6	0131	0136	0149	0160	0164	0170	0165	0161	0168	0167	0150	0137	0128	0134	0136	1014·9	6
7	0134	0142	0151	0161	0170	0177	0170	0168	0169	0170	0155	0140	0130	0138	0138	1015·3	7
8	0140	0148	0152	0168	0173	0180	0173	0173	0173	0171	0161	0141	0132	0140	0140	1015·7	8
9	0143	0150	0159	0171	0179	0181	0178	0176	0178	0174	0162	0142	0140	0143	0141	1016·2	9
10	0142	0150	0160	0171	0178	0181	0179	0175	0179	0172	0161	0145	0140	0145	0140	1016·2	10
11	0138	0143	0157	0170	0171	0177	0170	0172	0178	0167	0157	0141	0137	0142	0135	1015·9	11
Noon	0130	0139	0151	0162	0170	0170	0164	0170	0169	0159	0150	0130	0130	0136	0129	1015·2	Noon
13h	0125	0130	0143	0157	0167	0163	0161	0160	0164	0151	0143	0127	0123	0130	0126	1014·5	13h
14	0120	0128	0140	0151	0161	0160	0155	0152	0161	0148	0140	0120	0120	0128	0123	1014·0	14
15	0119	0126	0140	0151	0161	0158	0150	0151	0160	0146	0135	0119	0117	0122	0120	1013·8	15
16	0120	0128	0142	0152	0163	0158	0151	0151	0161	0147	0134	0119	0117	0127	0122	1013·9	16
17	0121	0129	0143	0155	0167	0160	0151	0154	0164	0150	0138	0120	0121	0130	0126	1014·2	17
18	0129	0131	0148	0160	0171	0163	0154	0160	0170	0153	0141	0123	0129	0131	0128	1014·6	18
19	0133	0139	0151	0163	0177	0170	0159	0167	0177	0159	0141	0125	0131	0137	0132	1015·0	19
20	0137	0144	0153	0168	0181	0172	0165	0169	0179	0165	0148	0130	0138	0140	0136	1015·5	20
21	0140	0150	0158	0169	0183	0177	0170	0171	0181	0168	0150	0134	0140	0147	0140	1015·8	21
22	0141	0150	0160	0170	0182	0178	0171	0173	0180	0171	0153	0138	0141	0147	0142	1015·9	22
23	0141	0150	0160	0169	0180	0178	0171	0172	0179	0164	0153	0137	0140	0146	0141	1015·9	23

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

JULY 1927.

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

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

JULY 1927.

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

The total amount of registered sunshine was 246·9 hours and the total possible sunshine 340·9 hours.

* Reckoned from apparent midnight.

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

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

JULY 1927

Day / Hour	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day / Hour
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	19·4	1·2	18·5	0·5	16·7	1·9	17·6	1·8	16·1	1·3	15·2	0·5	14·2	1·0	17·5	3·6	Midnight
1h	19·7	1·5	18·2	0·4	15·8	1·8	17·2	1·5	15·9	1·2	14·1	0·4	14·6	1·1	17·9	3·9	1h
2	19·2	0·9	18·3	0·3	15·2	1·4	17·0	1·1	15·2	0·9	14·0	0·6	14·0	1·0	17·7	3·7	2
3	19·1	0·8	18·3	0·4	17·0	0·9	16·6	1·1	15·1	0·9	14·5	0·5	15·5	0·8	18·3	4·4	3
4	19·1	0·9	18·3	0·3	17·0	1·0	16·1	0·9	14·7	0·7	13·7	0·0	14·7	0·7	17·6	4·1	4
5	19·1	1·1	18·2	0·8	16·9	1·1	14·7	0·7	14·8	0·8	13·8	0·5	14·0	0·6	17·9	3·9	5
6	19·3	1·3	18·0	1·0	15·5	1·2	14·0	0·5	15·3	1·1	13·9	0·6	13·4	0·4	17·8	3·5	6
7	19·0	1·2	17·7	0·9	14·8	1·1	13·9	0·5	15·3	1·2	13·2	0·0	13·2	0·5	18·0	3·1	7
8	19·3	1·6	19·7	1·7	18·0	2·3	16·3	1·4	19·0	2·9	17·2	1·7	16·3	1·2	18·0	2·7	8
9	20·8	2·5	20·8	2·2	19·3	3·5	20·7	3·7	21·0	3·5	19·1	1·7	19·1	1·7	20·1	5·1	9
10	22·1	3·1	21·0	2·5	20·7	4·0	21·7	5·0	22·1	4·6	21·0	2·9	19·6	1·7	21·6	5·6	10
11	22·7	3·8	21·1	2·7	21·3	4·7	22·5	5·6	22·3	5·0	22·3	3·8	20·3	2·2	22·0	7·0	11
Noon	23·0	4·0	21·6	2.6	22·2	5·0	22·9	5·3	22·8	5·6	22·9	4·6	22·3	3·9	22·0	5·5	Noon
13h	23·3	4·4	21·9	3·4	21·7	4·4	22·9	5·7	22·7	4·9	22·0	3·1	22·2	4·2	21·8	5·8	13h
14	23·2	4·5	22·3	4·8	22·0	4·3	22·9	5·2	23·3	5·4	23·2	3·9	22·2	4·7	21·3	5·3	14
15	22·9	4·7	22·2	4·6	22·0	4·3	22·7	5·5	23·0	5·1	22·5	3·5	22·1	6·0	21·7	5·3	15
16	22·3	4·3	21·5	3·6	21·3	4·6	22·0	5·0	22·4	4·5	22·0	2·8	21·2	5·5	20·8	5·8	16
17	21·1	3·3	20·9	3·3	20·3	3·6	20·9	4·5	21·4	3·9	21·0	3·0	20·0	4·4	20·0	5·3	17
18	19·7	2·4	19·7	2·7	19·2	2·7	19·5	3·4	19·8	2·5	19·6	2·6	18·9	3·4	19·1	3·9	18
19	18·3	1·6	18·3	2·2	18·6	2·5	18·3	2·3	18·2	1·7	18·2	2·1	18·2	3·6	19·0	5·0	19
20	17·0	1·3	17·7	2·3	18·1	2·1	17·8	2·3	17·9	1·5	18·1	2·3	18·2	4·2	19·1	4·1	20
21	16·4	1·3	18·0	1·9	18·1	2·1	17·3	2·0	17·7	1·5	17·0	2·0	18·6	4·1	19·2	4·2	21
22	16·0	1·0	17·1	1·8	18·4	2·4	18·0	2·7	17·3	2·1	16·7	2·0	18·7	4·3	19·7	5·5	22
23	18·3	0·9	17·1	2·1	17·8	1·8	17·2	2·0	16·0	1·1	14·9	1·2	18·4	4·4	18·3	3·7	23

Day / Hour	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16.		Day / Hour
	Air	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	18·7	2·8	17·8	1·0	18·6	1·7	17·7	1·6	17·1	1·1	17·5	1·5	19·2	1·1	19·3	1·0	Midnight
1h	19·0	3·0	17·4	1·3	18·3	1·5	17·1	1·2	18·1	1·6	17·9	1·9	19·1	0·8	18·9	0·9	1h
2	18·1	3·3	17·6	1·5	18·8	1·9	17·3	1·4	17·8	1·6	17·8	1·4	18·9	1·1	18·7	0·7	2
3	17·9	2·8	17·0	1·0	18·3	1·2	17·4	1·4	17·5	1·5	16·6	1·2	18·0	1·0	18·3	0·9	3
4	16·9	1·6	17·0	1·5	17·9	0·9	17·7	1·6	18·1	1·7	17·7	1·6	17·9	0·9	18·0	0·8	4
5	17·0	1·4	17·0	1·9	18·0	0·8	16·6	1·2	18·7	1·7	17·6	1·1	17·9	0·9	17·8	1·2	5
6	17·1	1·8	16·3	1·6	18·1	1·0	16·8	1·3	18·5	1·5	17·6	1·3	17·9	1·2	18·1	1·0	6
7	17·4	2·3	17·3	2·0	18.3	1·2	16·8	1·2	18·1	0·9	17·2	1·1	17·7	1·0	17·7	0·9	7
8	18·8	2·9	18·7	2·6	19·6	1·7	19·3	2·1	18·5	1·3	19·3	1·7	19·3	1·5	19·7	1·8	8
9	19·1	2·4	20·0	4·0	21·4	3·1	21·2	2·9	19·0	0·8	21·3	2·4	20·9	2·1	21·7	3·0	9
10	20·7	3·6	20·5	3·5	22·0	3·7	22·1	3·9	20·3	2·1	22·3	3·5	21·8	2·8	21·6	3·3	10
11	20·1	2·9	21·7	5·7	22·6	4·6	22·7	4·3	21·3	3·0	22·9	3·6	20·9	1·9	23·1	4·2	11
Noon	21·5	4·2	22·1	5·5	23·0	5·5	23·0	6·0	21·0	2·7	23·7	4·0	22·0	2·3	23·2	5·1	Noon
13h	22·2	5·2	20·9	3·7	23·2	5·6	22·0	4·5	21·2	2·8	23·9	4·6	22·2	3·2	23·8	5·3	13h
14	21·7	4·5	21·7	4·0	23·3	7·0	22·7	5·5	21·9	4·1	23·7	4·6	23·0	3·0	23·8	5·0	14
15	21·7	4·7	21·8	4·0	22·9	5·9	22·4	5·4	21·7	4·4	23·4	4·3	23·0	3·1	23·0	4·7	15
16	20·0	3·1	21·3	3·9	22·4	5·4	22·0	6·8	21·3	4·3	22·8	3·7	22·3	3·8	23·0	5·1	16
17	20·0	3·1	20·3	3·0	21·3	3·4	21·0	5·9	20·4	3·9	21·8	2·8	22·0	2·8	21·7	4·2	17
18	18·0	1·3	19·6	2·4	19·7	2·4	19·1	3·8	19·3	3·1	21·0	2·2	20·7	1·7	19·9	2·9	18
19	18·0	1·1	19·4	2·4	19·0	1·7	17·7	2·6	18·2	2·9	20·3	1·4	19·9	1·6	18·9	2·8	19
20	17·6	0·7	18·8	2·1	18·7	1·5	17·7	2·1	17·9	2·9	20·2	1·5	20·3	1·2	17·9	2·3	20
21	17·3	0·9	18·8	2·1	18·8	1·4	17·0	1·8	17·3	2·5	19·7	1·0	20·0	1·2	16·5	1·6	21
22	17·7	0·8	19·1	2·1	18·3	1·3	17·5	1·6	17·0	2·1	19·7	1·3	19·7	1·0	16·1	1·5	22
23	17·3	1·1	18·8	1·8	17·9	1·5	18·0	1·8	17·6	1·7	19·3	1·2	19·7	1·1	16·1	1·1	23

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

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

JULY 1927

Hour \ Day	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day / Hour
Midnight	16·9	1·1	15·0	0·7	18·0	1·8	17·9	1·8	17·3	2·3	16·3	1·8	17·2	2·5	17·0	2·0	Midnight
1h	17·0	1·0	14·7	0·7	17·0	1·6	17·7	1·9	17·1	2·1	16·7	2·5	17·1	2·7	16·2	1·1	1h
2	17·2	1·0	14·2	0·7	16·9	1·2	17·7	3·4	16·9	2·2	16.6	2·7	16·5	2·3	15·9	0·9	2
3	18·0	1·3	14·7	0·9	16·7	1·3	16·8	2·4	17·0	2·0	16·4	2·9	15·9	1·1	16·6	1·9	3
4	18·2	1·2	15·2	0·7	16·3	1·0	17·0	2·0	16·0	1·8	16·7	2·8	15·5	1·2	17·0	2·2	4
5	18·3	1·1	17·2	1·9	16·7	1·0	17·4	2·4	16·6	1·9	17·5	3.2	16·1	1·8	17·4	2·7	5
6	18·3	1.3	16·1	0·8	17·1	1·2	17·7	3·2	17·0	1·9	16·4	1·5	15·9	1·9	17·1	2·0	6
7	18·3	1·1	15·2	0·5	17·6	1·0	17·7	3.3	16·6	1·0	16·4	1·4	16·1	1·6	17·7	2·6	7
8	18.9	1·1	17·2	1·3	18·3	2·0	19·2	4·1	17·1	1·8	16·9	1·0	18·2	3·0	18·0	2·8	8
9	19.8	1·2	20·9	2·9	20·0	2·5	21·0	5·3	18·2	2·1	16·9	0·7	19·7	3·9	19·7	3·5	9
10	21·2	2·2	22·1	4·1	20·0	2·7	20·9	4·7	20·0	3·1	17·0	1·0	20·0	4·3	20·7	3·8	10
11	22·2	3·2	23·1	5·4	20·6	2·9	21·3	5·2	20·3	3·8	18·0	1·7	20·1	4·1	21·2	4·8	11
Noon	23·1	4·3	23·5	5·8	22·0	4·1	21·4	5·1	21·6	4·6	19·7	3·3	21·2	5·1	21·8	5·1	Noon
13	22·3	3·8	23·8	5·8	22·3	5·0	21·7	5·7	21·0	4·0	19·2	2·9	17·8	2·4	22·0	5·3	13h
14	22.9	4·0	23·1	5·0	22·8	5·6	21·7	5.7	21·0	4·6	20·1	3·9	19·5	3·1	21·9	4·9	14
15	22·2	3·3	23·2	5·7	22·2	5·2	21·2	5.1	20·9	4·2	19·9	3·9	19·9	3·2	21·4	4·5	15
16	21·5	3·5	23·0	5·1	21·9	5·0	21·0	5·0	20·0	3·9	18·9	3·1	20·0	3·9	21·1	4·3	16
17	21.0	3·5	22·0	4·0	20·6	4·3	20·0	4.8	19·5	3·9	18·5	3·3	18·7	3·6	20·2	3·9	17
18	20·0	3·4	20·7	3·0	19·3	4·0	18·7	3·6	18·4	3·4	17·1	2·2	17·5	2·5	19·2	3·1	18
19	18·8	2·7	19·7	2·8	18·4	3·4	17·9	2·2	17·2	3·1	16·6	1·9	17·5	2·5	17·5	1·5	19
20	18·0	2·1	19·6	2·9	18·5	3·1	17·4	2·4	17·7	3·0	17·4	3·0	17·8	2·7	17·9	1·7	20
21	17·2	1·9	19·3	2·6	19·0	3·0	17·7	2·7	16·7	1·7	17·3	2·7	17·1	2·5	18·2	2·1	21
22	15·7	1·3	19·0	2·6	17·6	1.6	16·8	2·1	16·8	2·2	17·3	2·8	16·9	2·2	18·6	2·7	22
33	15·8	1·4	18·9	2·6	17·4	1·4	17·1	1·7	16·2	1·8	17·2	2·9	17·0	2·2	18·9	3·3	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	19·1	3·2	17·9	2·2	17·9	0·7	17·8	0·8	17·5	0·8	19·1	2·5	18·8	2·8	17·6	1·7	Midnight
1h	19·0	3·0	18·3	2·1	18·1	0·7	17·8	0·8	17·7	0·8	18·2	1·9	18·0	2·0	17·4	1·6	1h
2	19·2	3·2	17·3	1·9	18·4	1·2	17·0	1·4	17·2	0·9	17·9	1·7	17·1	1·4	17·1	1·5	2
3	19·1	3·1	16·5	1·6	18·0	0·7	17·3	0·8	17·0	0·8	18·0	1·2	17·0	1·8	17·1	1·4	3
4	18·7	2·7	16·6	2·1	17·8	0·8	17·4	1·3	16·6	0·7	18·0	1·3	16·3	1·3	17·0	1·4	4
5	18·1	1·8	17·3	1·6	17·9	0·9	16·8	1·8	16·9	0·9	17·2	1·3	15·8	1·1	17·0	1·4	5
6	18·8	3·0	17·1	1·0	17·3	0·2	17·1	1·3	17·0	0·3	18·1	1·8	15·3	0·9	16·9	1·4	6
7	19·0	3·0	16·7	1·1	17·9	1·2	17·1	1·1	17·1	0·8	16·9	0·9	15·1	0·7	16·8	1·3	7
8	20·1	3·5	18·3	1·3	18·5	1·3	19·1	2·3	18·3	1·3	19·1	2·4	18·9	2·2	18·5	2·0	8
9	21·1	4·1	19·1	2·0	20·8	2·8	21·0	3·7	20·0	2·0	21·3	3·6	21·0	3·3	20·2	2·9	9
10	21·9	4·9	20·4	2·5	21·0	2·7	21·3	4·3	19·7	2·1	21·7	3·8	21·9	4·3	21·0	3·4	10
11	22·1	4·9	21·6	3·2	21·7	3·0	21·9	4·4	21·6	3·3	22·1	4·2	22·6	4·6	21·6	4·0	11
Noon	22·6	5·2	21·9	3·1	21·0	2·1	21·1	3·3	22·3	4·0	22·7	4·8	22·9	4·7	22.2	4·4	Noon
13h	22·8	5·3	21·7	3·7	21·2	3·2	22·0	4·2	22·3	4·1	22·9	4·2	22·1	4·4	22·0	4·3	13h
14	22·7	5·4	19·7	1·6	21·8	3·6	21·3	3·4	22·1	4·0	22·7	4·3	21.5	4·2	22·2	4·5	14
15	22·1	5·3	18·4	0·2	21·0	2·8	20·9	2·8	22·3	4·6	21·3	2·5	22·0	4·1	21·9	4·3	15
16	21·7	4·7	18·8	0·8	20·9	2·2	20·7	2·7	21·9	4·6	21·0	2·9	20·9	3·9	21·4	4·2	16
17	20·9	4·6	18·9	0·9	20·6	2·7	20·0	2·3	20·8	3·7	20·2	2·3	20·3	3·3	20·5	3·6	17
18	19·5	3·3	18·7	0·7	19·9	2.2	18·5	0·9	19·4	2·3	19·1	2·1	19·2	2·9	19·3	2·7	18
19	19·3	3·1	18·0	0·5	17·7	0·7	17·7	0·9	19·3	2·2	18·6	2·2	18·7	2·6	18·4	2·2	19
20	19·0	3·2	18·0	0·9	18·3	1·1	18·0	1·0	19.3	2·6	18·3	2·3	18·2	1·8	18·3	2·2	20
21	19·0	2·8	18·0	0·6	18·3	1·1	18·1	1·0	19·2	2·5	17·9	1·9	18·3	1·6	18·0	2·0	21
22	18·7	3·1	18·0	0·4	17·9	0·4	17·8	0·8	19·1	2·3	17·7	2·0	17·9	1·6	17·8	2·0	22
23	18·1	2·4	18·1	0·3	17·9	0·8	17·7	0·8	19·4	2·6	18·7	2·7	17·9	1·6	17·7	1·8	23

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

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

JULY 1927.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	883	941	883	925	883	917	876	924	885	910	891	907	882	900	875	917	Midnight
1h	873	941	884	916	888	912	886	934	883	911	890	907	878	900	877	915	1h
2	884	939	882	912	885	915	892	919	887	909	879	914	877	905	882	918	2
3	884	939	884	916	867	922	893	916	881	919	885	910	889	898	873	927	3
4	883	942	896	921	887	913	894	914	888	912	885	910	894	897	873	927	4
5	884	939	877	923	881	913	895	911	885	915	882	912	884	893	875	925	5
6	887	933	884	940	891	909	894	906	883	917	885	910	874	900	867	922	6
7	868	932	885	923	887	909	886	914	881	919	888	909	876	900	873	918	7
8	883	942	882	927	890	908	880	920	887	913	879	909	883	907	871	929	8
9	884	939	862	957	880	913	878	922	879	921	881	900	869	912	871	929	9
10	871	970	861	959	876	936	872	941	873	927	872	919	854	931	846	954	10
11	881	947	871	971	857	943	872	941	870	920	866	913	866	923	854	946	11
Noon	872	967	863	956	856	944	868	948	879	931	872	911	850	933	847	953	Noon
13h	873	965	867	950	872	942	867	949	877	934	900	882	848	935	849	951	13h
14	877	956	865	953	862	957	867	950	866	934	917	900	842	939	851	949	14
15	872	941	858	962	867	950	866	951	872	928	906	903	846	922	857	965	15
16	866	952	866	934	866	934	861	939	871	929	915	910	848	922	866	952	16
17	878	922	869	931	873	941	875	925	878	922	894	914	855	930	871	944	17
18	881	912	876	924	878	922	888	912	887	913	880	908	845	923	882	927	18
19	891	907	885	915	880	920	892	908	888	912	877	900	865	914	869	931	19
20	892	903	885	915	878	922	884	911	888	912	881	896	875	917	868	932	20
21	895	903	886	914	876	924	882	918	894	906	892	898	877	915	866	934	21
22	894	902	883	917	864	924	877	923	882	912	884	897	866	923	876	924	22
23	880	920	876	924	872	919	868	921	886	910	893	899	862	925	880	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	873	918	885	937	875	925	885	915	888	912	880	920	890	925	884	916	Midnight
1h	857	943	884	940	873	927	890	910	881	919	874	926	887	934	883	917	1h
2	868	947	884	940	869	931	894	906	884	911	882	918	887	933	880	920	2
3	875	917	892	937	871	929	886	914	885	910	887	913	890	925	889	911	3
4	875	925	883	941	886	936	882	918	880	920	880	920	891	922	885	915	4
5	879	921	878	932	877	934	889	911	878	922	880	920	891	922	883	917	5
6	876	936	883	926	878	933	892	906	873	927	882	918	889	927	880	920	6
7	876	936	878	933	873	927	885	910	876	936	884	924	887	932	880	920	7
8	865	952	874	940	864	936	881	913	879	932	874	926	887	934	887	913	8
9	868	947	874	939	869	946	876	936	872	942	874	940	886	936	876	910	9
10	849	951	868	947	867	949	880	948	865	952	871	944	878	954	873	918	10
11	859	961	862	957	862	957	877	956	860	960	868	947	907	936	876	915	11
Noon	854	969	859	961	865	953	874	964	872	967	878	952	907	935	885	924	Noon
13h	852	972	855	967	865	953	880	949	872	968	871	943	900	936	888	930	13h
14	859	961	853	970	870	946	868	948	869	975	880	949	900	940	888	931	14
15	851	973	856	967	859	941	864	955	856	967	879	952	900	942	884	924	15
16	869	946	865	953	868	932	862	938	857	965	877	955	900	933	880	913	16
17	862	957	864	954	869	931	882	918	867	949	888	958	889	926	867	922	17
18	869	946	875	938	884	916	890	907	871	944	881	946	890	915	884	907	18
19	865	952	884	939	884	916	883	911	876	936	900	948	889	917	886	906	19
20	872	941	877	923	883	917	885	910	883	926	893	936	881	919	866	913	20
21	878	952	874	926	882	918	883	911	883	925	900	937	882	918	881	908	21
22	887	932	871	929	885	915	881	912	878	922	900	930	884	916	889	905	22
23	878	952	873	927	882	918	876	915	873	927	892	939	880	920	880	908	23

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

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

JULY 1927.

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	875	910	890	907	888	900	869	931	881	908	864	924	868	948	879	950	Midnight
1h	877	910	890	908	888	891	863	915	881	904	871	929	868	932	859	941	1h
2	881	908	890	907	882	908	865	914	873	918	867	922	854	946	880	949	2
3	880	908	880	913	890	904	885	907	868	913	878	922	859	941	865	935	3
4	895	911	882	912	890	904	883	937	876	905	872	928	852	932	865	935	4
5	893	915	869	906	890	904	862	915	881	904	871	929	855	930	858	942	5
6	895	905	895	895	890	910	866	914	882	918	868	932	864	936	861	939	6
7	895	903	895	893	884	907	871	911	876	924	873	927	869	931	859	941	7
8	887	909	890	885	873	906	866	934	864	936	859	941	865	935	859	941	8
9	890	924	880	930	842	912	866	934	857	943	838	962	862	957	843	957	9
10	868	932	870	936	844	923	855	945	861	958	835	965	842	958	835	965	10
11	884	940	872	941	841	925	848	952	858	963	836	964	834	966	831	969	11
Noon	885	937	874	940	835	927	846	954	847	953	836	964	842	986	829	971	Noon
13h	864	936	880	930	838	926	854	969	828	948	832	968	861	959	830	970	13h
14	879	951	870	906	827	930	850	950	852	948	841	959	861	959	851	969	14
15	869	931	870	[illegible]	835	927	844	956	852	948	830	970	854	968	835	965	15
16	866	934	869	[illegible]	847	922	859	941	849	934	850	950	863	956	831	969	16
17	872	928	882	912	854	930	861	939	864	924	839	961	867	950	848	952	17
18	866	923	878	909	865	914	871	919	864	924	830	970	861	939	859	941	18
19	870	912	885	910	881	913	868	913	878	909	857	943	863	937	842	958	19
20	874	917	868	913	873	915	873	911	873	927	852	948	855	945	859	941	20
21	875	910	873	911	868	932	870	912	864	924	841	959	857	943	860	940	21
22	891	904	875	910	868	932	873	911	864	924	853	947	876	936	866	934	22
23	885	910	872	906	875	925	875	917	864	924	852	948	861	958	879	951	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	869	946	875	925	863	937	835	923	877	923	878	933	876	916	879	922	Midnight
1h	869	946	866	934	871	943	891	943	885	910	882	918	876	915	878	922	1h
2	876	936	882	918	874	940	881	928	892	906	887	934	879	914	880	922	2
3	860	960	883	925	864	954	875	925	885	910	900	928	877	910	880	921	3
4	856	966	890	923	868	948	870	[illegible]	887	909	880	930	884	907	881	922	4
5	867	950	882	918	880	949	872	928	891	912	881	908	876	910	879	920	5
6	872	941	909	943	865	935	874	917	888	919	878	922	877	910	881	921	6
7	863	956	888	930	880	930	877	[illegible]	888	909	883	925	879	909	879	921	7
8	862	992	881	929	873	927	874	930	884	911	863	925	885	920	876	920	8
9	863	989	870	945	883	941	872	941	876	936	868	932	868	922	[illegible]	936	9
10	865	985	872	941	871	943	865	952	873	927	872	942	867	933	[illegible]	945	10
11	866	981	877	956	874	964	872	942	871	943	881	947	876	936	865	948	11
Noon	858	1002	872	967	888	961	878	953	879	952	885	938	871	944	[illegible]	[illegible]	Noon
13h	864	988	[illegible]	961	888	961	873	941	879	951	889	952	877	934	[illegible]	[illegible]	13
14	864	987	882	945	877	956	871	943	868	940	864	954	872	928	[illegible]	[illegible]	13
15	851	973	900	947	874	962	882	943	895	952	862	938	862	938	864	948	14
16	862	957	891	943	878	954	875	938	870	940	873	941	871	[illegible]	[illegible]	949	15
17	871	970	875	938	881	947	88[illegible]	930	872	941	858	942	871	[illegible]	[illegible]	[illegible]	16
18	878	953	[illegible]	948	88[illegible]	948	894	931	878	922	876	924	867	[illegible]	874	[illegible]	17
19	877	956		942	885	937	889	926	875	925	882	918	869	921	878	924	18
20	879	951		942	883	920	890	925	873	927	885	917	884	907	877	923	19
21	879	951	[illegible]	947	873	927	875	925	870	924	887	911	886	906	877	924	20
22	883	943	882	943	892	939	879	921	882	918	885	915	884	907	879	922	21
23	878	933	880	948	873	927	885	915	883	907	884	916	885	907	877	924	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during JULY 1927.

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

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

r = retrograde. d = direct.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JULY 1927.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART for the MONTH of JULY 1927.

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	2·96	75·2	69·6	13
	3	Belmont	50	3·00	76·2	66·0	16
	4	Poudre d'Or	20	2·91	73·9	64·0	17
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	2·26	57·4	116·1	16
	10	Mont Piton	360	2·92	74·2	102·1	13
	11	Mon Choix	700	2·46	62·5	89·7	14
	12	Antoinette	640	3·68	93·5	104·9	17
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	3·62	91·9	112·8	14
	15	Mon Songe	179	3·50	88·9	113·0	12
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	2·74	69·6	82·8	17
	19	The Observatory ...	179	2·09	53·1	67·1	18
	20	Solitude§	175	...	...	...	...
	21	St André	90	...	...	...	...
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trébuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ ...	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E.§ ...	600	...	...	...	..
	2	Constance d'Arifat L.G.	100	1·83	46·5	94·5	12
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	5·27	133·9	122·7	23
	5	Constance (Manès)§ ...	..	...	...	...	..
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	3·92	99·6	...	21
	10	St. Julien E(K Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	5·77	146·6	123·9	20
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	9·27	235·5	...	25
5	1	Rose Belle§	850	..	...	...	...
	2	Richeux-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	..
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	..	...	...	...
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate* ...	...	...	..	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	13·22	335·8	228·9	31
	2	Tivoli*	1,300	...	...	...	...
	3	La Flora*	1,050	7·04	178·8	...	25
	4	Britannia	780	6·31	160·3	166·6	25
	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	7·43	188·7	...	25
	10	Terracine§	1000	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	5·72	145·3	...	17
	15	Fontenelle*	...	4·16	105·7	...	14
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre§	40	3·42	86·9	81·8	17
	3	Beau Champ§	..	3·47	88·1	...	14
	4	Board§	...	3·91	99·3	...	16
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	12·20	312·4	197·4	30
	3	Mare aux Vacoas ...	1,850	18·59	472·2	254·5	30
	4	La Marie Filter Bed ...	1,700	...	...	...	...
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse§	850	...	...	...	...
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma§	1,460	...	...	...	...
	5	Pagatelle§	1,250	...	...	...	...
	6	*Highlands*§	1,300	...	...	...	...
	7	Trianon	950	2·80	71·1	70·1	17
	8	Saiency§	923	...	...	...	...
	9	La Ferme*	850	0·41	10·4	...	10
	10	Pon Air§	1,050	...	...	...	...
	11	Val Ory	1,000	2·70	68·6	81·3	27
	12	Ebène§	...	...	...	...	...
	13	Mon Repos§	...	...	...	...	...
	14	Bassin*	..	2·29	52·8	...	14
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or	.	[illegible]	[illegible]	...	16
	17	Mon Repos§	.			...	...
13	1	The Albion Pool§ ...	18	...	...	...	...
	2	Institute*	...	0·32	8·2	...	2

§ Records not received. * Normals not available.

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of JULY 1927

Day \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulu		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
	h	°	°	°	°	°	°	°	°	°	°	°	°	h	°	°	°	°	°	°	°	°	°	°	°	°
1	11¾	...	...	300	8·7*	...	...	...	...	...	...	...	...	14¼	300	15·5	315	14·6	...	...	...	...	...	...	...	...
2	11¾	300	12·7*	285	14·9*	...	...	...	...	...	...	...	...	15	285	16·6	300	10·3	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	12½	...	...	300	5·4*	...	...	...	...	...	...	...	...
5	11	315	6·3	300	6·9	...	...	...	...	...	...	...	...	15	...	...	300	7·4	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	15	60	3·0	360	0·7	...	...	...	...	...	...	...	...
7	11¾	20	9·8*	360	3·2*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	11¾	...	...	330	8·2*	...	...	...	...	...	...	...	...	15½	300	14·8	315	8·1	...	...	...	...	...	...	...	...
9	11¾	300	14·7*	300	10·8*	...	...	...	...	...	...	...	...	14¾	...	...	300	14·1*	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	11¾	325	8·5*	300	8·0*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	...	...	345	5·7*	...	...	...	...	...	...	...	...
13	9	315	29·3	315	21·8	210	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	11¾	270	10·9*	280	5·9*	...	...	...	...	...	...	...	...	12½	270	13·4	285	11·5	...	...	...	...	...	...	...	...
15	9¼	...	...	210	3·6	...	...	...	...	...	...	...	...	15	...	...	300	4·0	...	...	...	...	...	...	...	...
16	10	...	...	330	7·0	...	...	...	...	...	...	...	...	14¾	360	3·3*	345	3·4*	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	11¾	340	4·7*	330	3·6*	...	...	...	...	...	...	...	...	13¾	...	...	330	9·3	...	...	...	...	...	...	...	...
19	11¾	...	...	325	12·7*	...	...	...	...	...	...	...	...	14½	315	12·9	330	7·2	...	...	...	...	...	...	...	...
20	11¾	...	...	300	7·1*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	12¾	...	...	315	8·2*	...	...	...	...	...	...	...	...
22	11¾	300	15·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	9	...	...	270	10·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	13¼	315	25·8	300	14·8	...	...	...	...	...	...	...	...
25	11¾	...	...	300	10·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	12½	285	14·5*	285	17·7*	...	...	...	...	...	...	...	...
27	9¾	...	...	300	14·5*	...	...	...	...	...	...	...	...	12¾	...	...	270	3·6*	...	...	...	...	...	...	...	...
28	11¾	300	6·3*	270	5·2*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	10¾	285	41·4	300	24·5	...	...	...	...	...	...	...	...	12¾	...	...	300	9·7*	...	...	...	...	...	...	...	...
30	9	...	...	300	59	240	2·5	...	...	...	...	...	...	12h	...	...	210	1·6	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* From the Observatory Pamplemousses.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

AUGUST 1927

R. A. WATSON, B.A., F.R. MET. SOC.,

DIRECTOR.

Published by Authority of His Excellency the Governor

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of AUGUST 1927.

Month and Day. 1927	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.) K*†	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
					Unit 1 γ	
	° ′					
1	11·32.5	·22800	·00035	6·4	31	20
2	32·2	802	34	5·0	50	20
3	32·4	800	32	5·6	26	22
4	32·2	801	33	6·8	40	18
5	31·9	798	31	11·8	43	40
6	31·8	801	33	9·2	25	27
7	32·3	801	30	9·6	26	32
8	32·3	799	31	7·8	36	22
9	32·6	803	33	4·8	22	16
10	32·0	801	31	7·6	25	36
11	32·2	805	31	3·4	35	17
12	31·8	805	32	7·2	33	28
13	32·8	814	30	6·0	53	28
14	32·6	817	31	6·2	38	22
15	32·6	824	28	7·2	58	24
16	31·6	818	—	4·8	38	—
17	32·0	813	—	5·4	34	—
18	31·9	814	29	5·6	40	11
19	32·3	820	29	7·4	21	18
20	31·9	792	29	9·8	98	25
21	32·1	762	34	10·0	182	21
22	32·4	762	33	7·4	38	36
23	32·2	779	32	7·8	23	34
24	32·5	790	30	9·0	30	35
25	32·8	797	31	8·6	29	25
26	32·0	802	30	6·6	16	33
27	31·7	809	25	7·8	21	39
28	32·9	809	27	8·0	27	28
29	32·5	796	—	6·4	97	—
30	31·9	758	34	7·8	101	22
31	32·6	786	—	6·0	32	—
Mean	11·32·24	·22799	·00031	7.19	44·1	25·9

Description of the Principal Magnetic Disturbance

Aug. 2—A rapid increase in H.F. of 28γ started at 02.18; in D the movement was a decrease of 2′ and in V a small increase followed by a fall. Only a small disturbance followed.

Aug. 3–18—Minor disturbances occurred on most days.

Aug. 19–21—Very disturbed. On the 21st between 11.30 and 12.30 a nearly symmetrical peak appeared on the H, curve of about 150γ.

The range of D during the same time was small but rapid fluctuations occurred which ended abruptly at 13.26. Rapid fluctuations of V occurred with a total range of about 60γ.

Aug. 22–28—Conditions were fairly quiet on these days.

Aug. 29—A sudden commencement at 04·00 gave an apparently instantaneous rise of 30γ in H. In D the movement was a barely perceptible rise. The V trace is missing on that day. The two following days were very disturbed.

Pulsations of vertical force were noticeable on 10th 23.00–24.00; 14th 01.00–03.00; 20th 01.00–03.00, 25th 00.00–01.00; 26th 01.00–02.00; 04.00–05.00; 23.00–24.00; 28th 00.00–02.00.

T=* : Mean Dip=θ=* (X=·22338: Y=−·04560 :Z=*).

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

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of AUGUST 1927

Declination (West)		Horizontal Force (C.G.S. Unit		Dip (South). A. M. Observations		Resulting Vertical Force	P. M Observations.		Resulting Vertical Force
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	h m		d h m	° ′		d h m	° ′	
AUG. 5· 9· 4	11°33′52	AUG. 3· 9·27	·22814	AUG. 10. 8.52	52 22·50	—	AUG. 3·12·30	52 22·43	—
8· 8.48	11°33·40	10· 9·28	·22814	18· 8·44	52 23·37	—	10·15·10	52 25·62	—
13· 9.43	11°33·92	10·14·42	·22810	21· 9· 3	52 16·90	—	26·15· 4	52 16·25	—
13·12·34	11°33·94	19· 9·35	·22829	26· 9·20	52 10·56	—	30·12·56	52 43·25	—
20. 9· 6	11°32·68	24· 9·26	·22807	30· 9·35	52 35·12	—			
20·13·59	11°30·43	21·15·03	·22787						
29· 9·41	11°35·49								
30· 9.00	11°33·43								
30·13· 6	11·30·76								

*See note at foot of Table V.

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

AUGUST 1927.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	11° +																
Midnight	33·6	34·0	33·2	32·6	33·0	33·0	33·2	32·4	33·0	33·0	32·4	33·0	32·4	32·2	32·2	32·4	Midnight
1h	33·6	33·6	33·0	32·4	32·6	33·0	32·6	32·2	33·0	32·6	33·0	32·6	32·8	32·4	32·2	32·2	1h
2	33·0	34·0	32·4	32·6	32·4	33·0	32·4	32·2	32·8	32·4	33·0	32·4	32·6	32·4	32·2	32·0	2
3	32·6	33·0	32·4	32·4	31·8	31·2	32·2	32·2	32·4	32·2	33·0	32·2	32·6	32·8	31·4	32·0	3
4	32·6	33·2	33·0	32·4	31·2	32·0	32·4	32·0	32·2	32·0	32·8	32·2	32·8	32·8	32·2	32·0	4
5	32·6	33·4	32·6	32·6	32·0	31·8	32·2	32·0	32·0	31·8	32·0	32·0	32·4	32·8	32·2	32·0	5
6	32·6	33·4	32·0	32·0	32·0	32·0	32·0	31·8	32·0	31·4	31·8	32·0	32·0	32·4	32·0	31·0	6
7	32·0	31·0	31·6	31·8	31·0	31·0	31·8	31·4	31·0	31·0	30·0	30·8	31·6	32·0	28·4	30·0	7
8	32·4	30·2	33·0	32·6	31·4	31·6	32·0	31·8	31·6	31·8	30·0	31·6	32·2	32·4	30·0	30·0	8
9	33·8	32·4	32·4	34·0	34·2	33·6	34·0	33·6	33·6	34·0	32·0	34·0	34·0	34·4	32·4	31·4	9
10	34·4	32·2	33·2	34·8	36·2	35·0	36·0	35·2	34·8	35·2	33·2	34·4	35·8	35·6	34·0	32·6	10
11	35·0	30·4	34·0	34·6	37·8	35·4	36·6	35·8	34·2	35·6	32·8	34·2	36·2	35·0	34·4	33·4	11
Noon	34·0	30·4	34·0	33·2	36·0	34·0	35·8	36·0	34·4	34·0	33·2	33·4	36·0	33·4	34·4	33·2	Noon
13h	32·4	30·4	32·2	32·2	32·0	31·0	33·0	33·0	34·0	31·0	33·0	30·6	34·0	32·8	35·6	32·0	13h
14	30·0	30·2	30·0	30·0	29·4	28·2	31·0	30·4	32·2	30·2	31·2	28·0	32·0	31·2	34·2	30·4	14
15	28·6	29·0	28·4	28·0	26·2	26·2	27·0	28·2	30·2	28·0	30·2	27·2	30·2	29·4	31·8	28·6	15
16	28·6	29·6	29·2	28·4	26·0	27·0	27·6	28·4	30·0	28·2	30·0	28·2	30·8	30·2	30·0	29·2	16
17	30·8	31·6	31·4	30·6	29·0	29·0	30·0	31·0	31·6	30·8	31·8	30·8	32·0	31·8	31·8	30·8	17
18	32·2	33·2	32·4	31·8	30·6	31·6	32·0	32·4	32·8	32·0	32·8	32·0	32·4	32·0	32·6	32·0	18
19	32·4	33·8	33·4	32·0	31·4	32·2	32·2	32·6	33·4	31·6	33·2	32·0	32·8	33·4	33·6	32·6	19
20	32·4	34·0	33·4	32·4	32·0	32·4	32·2	32·8	33·2	32·0	33·4	32·2	32·6	33·2	33·6	32·6	20
21	33·2	34·0	33·6	33·4	32·2	33·0	32·2	32·6	33·0	32·4	32·4	32·2	32·4	32·8	33·6	32·4	21
22	33·4	33·6	33·6	33·4	32·4	33·0	32·2	32·6	32·6	32·4	32·4	32·2	32·4	32·4	33·4	32·0	22
23	33·0	33·4	33·2	33·4	33·2	33·0	32·2	33·2	32·4	32·8	32·4	32·2	32·2	32·2	33·0	32·0	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
	11° +																
Midnight	33·0	32·6	32·4	33·0	34·2	33·6	33·0	32·4	32·8	32·4	32·2	32·2	32·4	33·8	34·0	32·9	Midnight
1h	32·4	32·0	32·2	32·0	30·6	33·0	32·8	32·6	33·2	32·4	32·2	32·4	32·4	32·4	34·0	32·6	1h
2	32·2	32·0	32·0	32·0	32·4	31·6	32·6	32·2	32·6	32·6	32·2	32·2	32·6	33·8	33·8	32·5	2
3	32·4	32·0	32·0	31·2	33·0	31·6	32·4	32·2	32·4	32·6	32·2	32·4	32·8	33·0	32·6	32·3	3
4	32·4	32·0	32·2	32·0	31·4	31·4	32·0	32·2	32·4	32·2	32·2	32·2	32·6	33·8	32·4	32·3	4
5	31·4	31·6	32·2	32·2	30·0	31·0	31·8	32·0	32·2	31·8	32·2	32·0	33·6	33·8	31·8	32·1	5
6	32·0	31·0	32·0	32·0	26·6	30·4	31·8	31·6	31·8	31·2	32·0	31·8	33·0	32·0	30·0	31·7	6
7	30·4	29·8	31·0	31·4	26·0	29·4	30·8	30·2	30·0	29·6	30·4	32·0	33·0	30·6	30·2	30·7	7
8	31·2	30·0	31·2	30·2	33·0	30·8	31·8	31·2	31·4	31·2	31·8	34·0	30·4	31·4	31·4	31·5	8
9	33·0	31·8	33·4	32·8	35·0	33·8	34·0	33·8	34·0	33·8	33·8	36·0	33·6	32·8	33·4	33·5	9
10	33·8	32·4	34·4	34·2	35·4	35·4	35·4	35·4	36·4	34·8	34·2	37·4	34·0	33·8	34·2	34·6	10
11	33·6	33·8	35·4	36·0	36·0	36·2	35·6	37·0	38·0	35·0	33·6	37·4	35·0	32·2	34·0	35·0	11
Noon	33·2	34·0	34·0	32·0	35·0	36·0	34·4	36·4	37·0	34·2	31·4	35·0	34·0	31·8	33·8	34·1	Noon
13h	30·2	32·0	33·8	32·2	34·0	34·4	34·0	35·8	35·4	33·0	31·0	33·4	32·2	30·0	32·6	32·7	13h
14	28·6	31·2	30·4	29·2	32·2	32·4	31·4	33·4	32·6	30·0	28·6	31·6	32·0	29·6	30·4	30·7	14
15	28·4	29·2	29·4	26·2	32·0	30·4	28·2	30·0	30·0	28·6	26·4	30·0	29·4	26·2	30·0	28·8	15
16	29·4	28·4	28·0	27·0	30·4	28·8	27·8	28·0	29·4	28·4	28·0	29·4	28·6	26·4	30·2	28·7	16
17	31·0	30·0	30·4	30·0	31·4	30·0	30·0	30·2	31·2	31·2	30·0	30·6	30·8	29·8	30·4	30·7	17
18	32·4	32·2	32·6	32·0	31·8	32·0	32·0	32·0	32·4	32·4	32·2	32·0	32·0	31·6	31·8	32·1	18
19	33·6	33·4	33·4	33·0	32·0	32·8	32·4	32·4	32·6	32·6	33·2	33·2	32·4	32·2	32·4	32·7	19
20	33·8	33·6	33·4	33·0	32·2	32·8	32·4	32·4	32·6	32·4	33·0	33·6	33·0	32·2	33·8	32·9	20
21	33·6	33·6	33·4	34·0	32·6	33·2	32·2	32·4	32·6	32·4	33·0	33·8	32·4	33·6	34·2	33·0	21
22	33·8	33·4	33·2	33·4	31·4	33·0	32·4	32·4	32·6	32·0	32·6	33·0	34·0	33·8	34·4	32·9	22
23	33·4	33·0	33·0	33·8	33·2	33·0	32·4	32·8	32·4	32·0	32·4	32·6	34·2	34·0	36·0	33·0	23

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

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

AUGUST 1927.

Day. / Hour.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	·22000 + (C.G.S. UNIT).																
Midnight	790	790	792	792	794	790	801	800	793	804	798	787	800	802	810	810	Midnight
1h	792	789	798	796	796	790	803	800	797	804	799	790	799	806	808	810	1h
2	798	783	801	798	798	790	803	802	798	805	798	798	800	808	805	810	2
3	800	803	806	795	803	804	802	803	800	806	798	801	802	810	819	808	3
4	801	798	803	800	808	800	800	804	802	808	796	802	802	810	813	820	4
5	804	799	807	802	805	807	800	807	804	809	802	807	805	811	814	815	5
6	807	797	810	807	803	806	804	809	808	810	805	808	807	811	818	820	6
7	811	809	812	809	811	812	809	810	812	812	801	812	812	812	829	829	7
8	814	812	810	815	814	812	810	813	811	812	808	812	815	815	838	831	8
9	814	819	816	820	820	815	814	813	811	813	812	811	820	820	842	836	9
10	810	812	815	820	821	812	804	812	809	810	817	810	830	827	860	840	10
11	810	813	805	818	820	809	805	810	809	809	815	819	839	830	863	837	11
Noon	808	820	810	820	817	798	803	808	811	810	822	814	842	833	850	830	Noon
13h	801	819	800	817	804	803	800	802	811	800	820	819	852	839	846	832	13h
14	802	830	799	820	792	801	800	800	802	805	820	820	850	840	831	825	14
15	800	829	800	805	789	801	795	790	793	798	812	818	830	835	828	819	15
16	794	809	790	790	782	790	789	777	790	788	802	809	814	821	819	809	16
17	795	799	791	784	787	792	788	778	797	789	800	803	802	811	810	807	17
18	800	791	790	780	778	794	798	790	800	791	803	802	800	810	810	808	18
19	800	786	791	786	780	799	800	790	803	789	807	800	802	810	811	809	19
20	793	780	790	791	789	799	800	791	802	788	803	792	803	810	811	807	20
21	783	782	790	790	779	799	800	790	802	790	802	790	803	810	812	806	21
22	790	782	791	789	779	800	800	790	804	790	799	794	802	809	810	803	22
23	790	790	790	790	779	799	800	792	803	791	787	799	802	809	809	802	23

Day / Hour.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d	30d.	31	Mean	Day / Hour
	·22000 + (C.G.S. UNIT).																
Midnight	807	800	810	821	766	739	772	779	781	794	801	805	807	749	769	792·0	Midnight
1h	809	802	812	820	792	743	779	779	791	798	802	805	810	760	771	795·2	1h
2	809	808	810	815	751	753	777	789	794	800	804	807	811	767	773	795·6	2
3	810	809	815	829	783	752	775	783	797	800	808	810	811	770	781	799·8	3
4	809	813	817	821	780	753	778	780	796	800	810	810	812	777	788	800·4	4
5	812	813	819	826	769	759	779	784	798	804	812	812	836	780	791	803·0	5
6	812	817	818	830	780	763	780	790	800	802	813	817	824	790	792	805·1	6
7	818	820	821	828	777	766	782	796	806	809	818	820	809	800	794	808·6	7
8	820	823	829	821	769	770	789	803	808	810	819	820	820	814	801	811·5	8
9	828	834	830	833	775	770	790	807	808	809	813	817	824	800	799	814·0	9
10	833	840	831	839	780	771	789	808	807	802	814	818	818	790	794	814·3	10
11	831	832	830	816	783	777	787	809	810	799	813	818	811	763	786	812·1	11
Noon	820	823	829	793	903	775	787	803	809	803	821	819	819	750	782	813·9	Noon
13	817	819	815	771	770	762	791	798	801	806	820	819	817	734	786	806·2	13h
14	821	811	819	750	750	760	780	790	795	809	816	810	802	725	780	801·8	14
15	819	809	818	764	728	758	773	789	790	805	814	799	788	720	782	796·7	15
16	810	804	817	747	738	751	771	788	782	800	808	793	760	713	789	788·5	16
17	802	802	812	752	726	756	767	780	785	799	802	799	761	721	789	786·5	17
18	807	808	820	768	725	760	769	783	789	800	800	802	768	732	790	789·2	18
19	809	810	820	778	735	762	770	785	791	801	801	802	779	751	790	791·8	19
20	809	811	820	767	741	764	769	787	791	800	802	801	789	747	788	791·6	20
21	806	812	818	748	721	765	780	788	791	801	803	802	760	738	787	788·6	21
22	800	811	820	741	730	765	778	785	793	800	805	802	750	739	782	788·2	22
23	799	810	824	749	739	770	780	786	797	800	807	807	739	760	780	789·6	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).

AUGUST 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	K + (10—5C.G.S. UNIT.)																
Midnight	40	42	38	38	37	37	35	32	35	32	34	35	33	32	32	32	Midnight
1h	39	40	38	38	37	38	33	32	34	32	33	34	33	32	31	31	1h
2	37	40	37	37	37	37	34	32	34	32	32	34	32	31	31	30	2
3	37	37	36	37	36	37	33	32	34	32	33	32	32	30	30	30	3
4	34	37	36	36	35	35	34	32	34	32	32	32	32	30	30	28	4
5	34	37	34	35	35	34	34	33	34	32	33	32	32	30	30	28	5
6	34	37	34	34	35	34	33	33	34	33	33	33	33	31	30	28	6
7	33	33	32	33	32	32	32	32	32	33	31	32	33	30	27	24	7
8	36	31	33	35	33	35	34	33	34	37	33	33	38	36	29	24	8
9	40	35	36	38	40	41	39	36	39	41	37	41	41	41	33	...	9
10	42	33	34	38	40	44	40	38	40	44	38	42	41	42	37	...	10
11	42	32	32	33	37	41	38	33	38	40	33	35	33	35	33	...	11
Noon	40	30	31	27	25	29	28	31	31	25	30	28	25	31	27	...	Noon
13h	34	29	26	20	10	22	13	21	30	08	23	14	23	28	23	...	13h
14	28	26	23	21	00	17	08	18	27	12	23	14	17	23	20	...	14
15	23	22	16	23	06	23	13	16	24	14	21	20	13	20	13	...	15
16	22	25	20	27	17	28	19	21	27	21	23	24	19	23	13	...	16
17	28	31	28	33	26	33	28	31	32	30	30	31	23	28	19		17
18	33	36	33	36	32	36	33	37	36	34	33	37	30	31	27	...	18
19	35	38	34	35	35	34	33	35	36	36	34	36	32	32	29	..	19
20	36	38	35	34	35	34	33	35	36	37	33	36	32	32	30	...	20
21	40	40	37	38	37	34	32	35	35	37	34	37	33	32	31	...	21
22	41	39	37	38	38	34	32	36	34	35	34	37	33	32	32	...	22
23	40	40	38	38	39	34	32	35	33	34	35	36	33	33	32	...	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. \ Hour
	K + (10—5C.G.S. UNIT.)																
Midnight	...	32	31	28	39	40	36	33	33	32	31	30	31	41	42	34·7	Midnight
1h	...	32	30	28	32	39	34	34	32	32	31	30	30	40	40	34·0	1h
2	...	31	31	29	38	38	35	33	32	31	30	29	30	36	38	33·7	2
3	...	31	30	27	36	38	35	33	32	31	30	28	28	36	36	33·1	3
4	...	30	30	28	30	38	36	35	32	31	30	28	.	36	34	33·0	4
5	...	29	30	28	31	39	36	35	32	31	30	28	...	33	34	32·6	5
6	...	28	29	27	30	39	36	34	32	32	30	28	...	32	35	32·5	6
7	...	25	28	23	31	37	37	32	31	30	30	30	...	30	33	31·1	7
8	...	26	30	25	41	39	40	36	37	37	34	35	...	29	33	34·0	8
9	34	30	36	31	41	46	42	41	42	43	37	38	...	33	37	38·4	9
10	33	33	38	33	40	43	40	42	42	44	37	38	...	38	...	39·3	10
11	27	31	34	29	34	40	38	38	40	39	30	31	...	38	...	35·4	11
Noon	20	32	27	21	36	32	32	32	30	31	17	24	47	33	...	29·1	Noon
13h	16	31	23	27	20	25	26	23	23	24	08	18	31	31	...	22·3	13h
14	13	30	20	22	25	16	19	15	18	15	02	13	27	27	...	18·5	14
15	15	25	20	13	24	12	08	07	17	11	02	10	20	22	...	16·1	15
16	18	22	20	21	28	10	10	11	20	18	08	11	20	22	...	19·6	16
17	23	25	30	32	30	19	22	21	28	27	18	20	25	29	...	27·1	17
18	29	30	30	36	36	30	32	30	32	32	27	27	32	32	...	32·5	18
19	30	30	28	34	38	32	33	33	32	32	29	29	36	37	...	33·4	19
20	31	30	28	33	38	34	33	33	32	32	30	31	40	39	...	33·7	20
21	31	30	28	37	38	35	33	34	33	32	31	32	41	41	...	34·7	21
22	32	30	28	37	37	36	34	33	33	32	31	32	41	44	.	34·8	22
23	33	30	28	38	39	36	33	33	32	32	31	31	41	43	...	34·7	23

* Absolute values cannot be allotted. The figures are consistent apart from instrumental drift throughout the month, but discontinuities may occur between successive months. These will be noted

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of AUGUST 1927.

Month and Day 1927	Observations at 10 a.m.								Temperature of the Air.						
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees *	Wind. Velocity.	Highest.	Lowest.	Range	Amount of Cloud (Scale 0—10)	Amount Rain measured at 10 a. m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	969·8	16·7	0·6	15·6	94	17·6	260	1·8		14·1		8·3	0·7	1·1	10
2	969·0	17·5	0·4	16·8	95	18·9	260	2·2		14·7		7·0	2·7	6·5	58
3	970·0	18·5	1·4	15·9	85	17·9	260	4·5		16·7		4·5	0·0	8·1	72
4	970·0	19·1	1·0	17·3	89	19·6	—	Calm		16·1		8·5	5·3	2·0	18
5	970·3	19·4	1·2	17·2	87	19·4	—	Calm		14·9		7·7	4·0	3·6	32
6	969·2	17·4	0·1	17·2	98	19·4	210	3·1		16·6		10·0	39·9	0·2	2
7	970·5	17·0	0·2	16·6	97	18·7	—	Calm		14·8		10·0	92·5	0·0	0
8	973·1	18·1	0·1	17·9	98	20·3	240	1·3		16·5		9·2	10·2	3·7	33
9	974·3	18·9	0·9	17·2	90	19·4	240	5·8		15·9		8·2	1·5	6·4	57
10	972·6	17·2	0·1	17·0	99	19·2	240	2·2		15·1		6·0	1·3	8·1	72
11	972·4	19·0	0·8	17·5	91	19·8	—	Calm		14·4		3·4	0·6	8·5	75
12	971·6	19·4	1·5	16·7	84	18·8	290	5·4		14·7		2·0	0·6	9·8	87
13	972·5	20·0	1·7	17·0	83	19·2	280	5·8		15·1		1·6	0·0	10·7	95
14	972·0	19·9	1·9	16·5	74	18·6	300	5·4		19·2		5·4	0·0	8·1	71
15	971·4	18·9	1·6	16·0	83	18·0	300	7·6		14·4		3·4	5·5	10·1	89
16	972·3	17·9	1·4	15·3	85	17·2	300	4·9		13·8		5·5	2·1	8·5	75
17	973·0	17·2	0·3	16·6	96	18·7	300	7·2		15·1		6·5	4·0	2·1	18
18	973·2	18·1	1·1	16·1	88	18·1	290	7·6		15·3		7·7	20·2	7·4	65
19	972·2	17·2	0·3	16·6	96	18·7	290	6·3		14·2		6·1	1·5	4·4	39
20	971·8	17·9	0·6	16·8	93	18·9	300	2·2		15·4		6·2	5·0	7·7	68
21	973·9	19·9	1·6	17·0	83	19·2	300	7·6		15·1		2·3	3·8	8·4	73
22	974·1	18·9	2·6	14·1	74	15·9	290	7·6		15·6		7·0	0·0	9·2	80
23	976·1	18·1	1·8	14·8	81	16·7	300	6·3		14·6		5·2	7·7	9·7	84
24	977·1	16·6	1·4	14·0	84	15·8	290	7·6		13·8		8·4	8.2	5·4	47
25	976·6	18·1	1·8	14·8	81	16·7	270	9·8		14·4		3·3	0·0	9·8	85
26	975·8	17·9	1·6	14·9	83	16·9	270	5·4		13·8		4·6	3·3	7·9	69
27	973·5	18·3	1·4	15·7	85	17·7	280	7·2		14·9		5·2	1·6	7·8	67
28	973·5	18·9	2·7	14·0	73	15·8	270	5·8		12·1		2.2	0·0	7·9	68
29	973·9	18·8	2·4	14·4	76	16·3	220	0·9		12·6		5·1	0·7	8·1	70
30	971·2	19·7	2·4	15·4	76	17·3	260	1·8		12·7		4·6	0·0	8·2	71
31	970·7	18·1	1·8	14·8	81	16·7	250	5·4		14·9		9·6	1·7	2·0	17
Mean	972·5	18·3	1·2	16·0	86·5	18·1	282·3	4·7		14·9		5·9	Sum 224·6	6·50	57·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Thermometer broken

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

Mean of the month at 10 a.m.	Atmospheric Pressure	+42·7 mbs
	Temperature of the Air	+ 3·5°C
	Vapour Tension	+ 0·1 mbs
	Relative Humidity	−16·2%
	Direction of Wind	10.3°S
	Velocity of Wind	− 0·5 m.p.s.
	Amount of cloud	− 0.2

Amount of rain	−84·9 mm.
Duration of sunshine	+21·5 hrs.
Mean of highest temperatures	...
Mean of lowest temperatures	+2·3°C
Absolute highest temperature	...
Absolute lowest temperature	+1·2°C

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

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1927.

Month and Day 1927	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	Elasti Force of Vapour	Lowest Temperature on the Grass. (Cenl.)	Rainfall: Amount recorded by the Beckley Pluviograph.	Rainfall: Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0—10)
	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1011·4	− 2·4	22·3	16·6	5·7	18·8	− 1·0	1·6	15·9	+ 0·9	83	+ 8	17·9	13·8	0·5	24	3·7	7·4
2	1010·4	− 3·4	23·3	17·3	6·0	19·8	0·0	2·1	16·0	+ 1·0	79	+ 4	18·0	14·2	0·1	5	3·3	5·7
3	1011·4	− 2·4	23·6	17·0	6·6	20·0	+ 0·2	2·0	16·4	+ 1·4	80	+ 6	18·5	13·9	0·0	...	4·0	5·0
4	1011·7	− 2·1	23·9	18·7	5·2	20·5	+ 0·7	1·2	18·4	+ 3·4	81	+ 7	21·0	14·6	0·6	10	2·8	9·0
5	1011·7	− 2·1	22·3	17·1	5·2	20·0	+ 0·2	0·9	18·4	+ 3·4	91	+ 17	21·0	14·1	5·2	95	3·2	6·8
6	1011·8	− 2·0	21·4	19·1	2·3	20·2	+ 0·4	0·6	19·1	+ 4·1	94	+ 20	21·9	18·7	54·6	380	2·9	9·9
7	1012·4	− 1.4	20·7	18·9	1·8	19·6	− 0·2	0·2	19·2	+ 4·2	97	+ 23	22·0	15·7	53·6	685	3·0	9·7
8	1014·7	+ 0·9	23·8	18·1	5·7	20·5	+ 0·7	1·4	18·0	+ 3·1	85	+ 11	20·4	15·5	0·0	...	3·1	8·1
9	1015·6	+ 1·8	23·9	18·0	5·9	20·5	+ 0·6	1·9	17·1	+ 2·2	81	+ 7	19·3	15·8	0·5	20	4·5	8·0
10	1014·2	+ 0·4	23·8	17·3	6·5	20·0	+ 0·1	1·9	16·6	+ 1·7	81	+ 7	18·7	12·9	0·9	15	3·2	6·0
11	1013·4	− 0·4	23·9	16·0	7·9	19·5	− 0·4	2·0	15·9	+ 1·0	80	+ 6	17·9	12·9	0·0	...	3·6	3·2
12	1013·2	− 0·7	24·1	17·0	7·1	20·0	+ 0·1	2·1	16·2	+ 1·3	79	+ 5	18·2	13·3	0·6	20	4·4	4·6
13	1014·0	+ 0·1	24·4	16·9	7·5	20·5	+ 0·6	2·9	15·3	+ 0·4	72	− 2	17·2	10·9	0·0	...	5·5	4·1
14	1014·0	+ 0·1	24·4	16·0	8·4	20·1	+ 0·2	2·4	15·8	+ 0·9	76	+ 2	17·8	11·1	0·6	10	4·4	4·3
15	1013·4	− 0·5	24·0	17·9	6·1	20·4	+ 0·4	2·9	15·2	+ 0·2	72	− 2	17·1	14·5	1·2	30	4·8	5·1
16	1014·2	+ 0·3	24·2	17·1	7·1	20·1	+ 0·1	3·1	14·6	− 0·4	71	− 3	16·5	14·4	2·6	75	5·6	4·8
17	1014·6	+ 0·6	23·0	18·1	4·9	19·7	− 0·3	1·4	17·2	+ 2·2	82	+ 8	19·4	12·6	5·8	110	3·6	7·3
18	1014·9	+ 0·9	23·4	17·1	6·3	19·9	− 0·1	2·4	15·6	+ 0·6	77	+ 3	17·6	10·6	0·2	10	3·2	5·1
19	1014·1	+ 0·1	23·4	16·7	6·7	20·0	0·0	2·2	16·1	+ 1·1	78	+ 5	18·1	10·9	0·4	10	4·0	5·2
20	1013·4	− 0·7	23·9	19·1	4·8	21·0	+ 0·9	2·4	16·8	+ 1·8	77	+ 4	18·9	15·7	0·7	25	4·5	6·4
21	1014·1	0·0	23·7	18·2	5·5	20·5	+ 0·4	2·1	16·7	+ 1·7	79	+ 6	18·8	15·2	0·0	...	3·0	4·1
22	1016·3	+ 2.2	24·1	18·2	5·9	20·5	+ 0·4	2·8	15·5	+ 0·5	73	0	17·4	13·9	0·8	10	4·6	3·6
23	1018·1	+ 4·0	24·1	16·2	7·9	20·1	0·0	3·0	14·7	− 0·3	71	− 2	16·6	10·8	1·5	40	4·5	3·9
24	1018·6	+ 4·5	23·3	17·1	6·2	20·0	− 0·2	3·4	13·9	− 1·1	68	− 5	15·7	13·3	0·6	20	4·6	5·7
25	1018·6	+ 4·5	22·4	17·3	5·1	19·3	− 0·9	3·1	13·7	− 1·3	70	− 3	15·5	14·5	2·1	37	4·5	6·2
26	1017·1	+ 3·0	23·2	17·0	6·2	19·6	− 0·6	2·6	15·0	0·0	75	+ 2	16·9	14·8	4·0	50	5·7	5·9
27	1015·0	+ 0·9	23·9	18·0	5·9	20·4	+ 0·2	3·0	15·0	− 0·1	71	− 2	16·9	12·7	0·9	20	4·1	4·0
28	1014·9	+ 0·8	24·3	15·3	9·0	19·2	− 1·1	3·6	12·7	− 2·4	66	− 7	14·6	10·2	1·0	20	4·0	3·1
29	1014·4	+ 0·3	24·3	13·3	11·0	19·8	− 0·5	3·2	14·1	− 1·0	69	− 4	15·9	11·0	0·6	20	5·6	5·4
30	1013·0	− 1·1	24·7	14·9	9·8	20·0	− 0·3	2·8	15·0	− 0·1	73	0	16·9	11·0	0·0	...	5·0	5·3
31	1012·9	− 1·2	24·0	18·3	5·7	20·8	+ 0·5	2·9	15·7	+ 0·6	73	0	17·7	16·7	0·1	5	5·1	9·0
Mean	1014·1	+ 0·1	23·5	17·2	6·3	20·0	0.0	2·3	16·0	+ 1·0	77·8	+ 4.2	18·1	13·6	Sum 139·7	Sum 1746	4·1	5·9
Aver.	1014·0	...	24·1	16·4	7·7	20·0	...	2·8	15·0	...	73·6	...	16·9	13·1	59·8	1461	4·0	5·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JULY 1927.

The characteristic feature of the month was the large oscillation in atmospheric pressure which rose from 3.4 millibars below normal on the 2d to 4.5 millibars above on the 24th and fell again to 1·2 millibars below on the 31st

During the 1st half of the month, temperature was generally above normal. In the mean for the month it was normal. Relative Humidity was above normal in the mean for the month (4.2%) and was persistently above during the first 15 days. Rainfall was 135% above normal at the Observatory.

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

Northern Districts	River System 1,	153%	above
Eastern Districts	,, ,, 2, 3, 4,	466%	,,
South-Eastern Districts	,, ,, 5 & 6	100%	
Western Districts	River System 11	142%	above
	,, ,, 12	300%	,,
	,, 13	86%	,,

28th November, 1927

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1927

Month and Day 1927.	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	6 inches	3 inches	Weather
AUGUST	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	
1	4·8	43	− 2·1	+ 2·7	308	3·4	3·4	− 0·5	24·8	23·6	21·7	21·2	20·6	21·6	c
2	6·2	55	− 2·3	+ 2·6	312	3·5	3·6	− 0·3	24·8	23·6	21·7	21·1	21·0	22·1	f : c : f .
3	9·1	81	− 2·1	+ 3·2	303	3·8	3·9	0·0	24·8	23·5	21·8	21·3	21·1	22·1	b : f : c .
4	5·8	52	− 0·1	+ 2·0	273	2·0	2·1	− 1·8	24·9	23·5	21·8	21·5	21·4	22·7	og .
5	3·2	29	− 0·7	+ 1·4	297	1·5	1·8	− 2·1	24·8	23·6	21·9	21·9	21·6	22·6	cg : f .
6	0·1	1	+ 1·2	+ 2·7	246	2·9	3·1	− 0·8	24·8	23·6	22·0	21·6	21·4	22·3	cgr .
7	0·0	0	+ 0·4	+ 0·8	243	0·9	1·9	− 2·0	24·8	23·5	22·0	21·6	21·3	22·2	og .
8	5·6	50	− 1·0	+ 2·8	290	2·9	3·0	− 0·9	24·8	23·4	22·0	21·6	21·3	22·6	cg : f .
9	6·4	57	− 0·8	+ 4·3	281	4·4	4·4	+ 0·5	24·8	23·4	22·0	21·9	21·5	22·6	cg : f .
10	7·5	66	− 0·9	+ 3·0	287	3·1	3·2	− 0·7	24·8	23·4	22·1	21·8	21·5	22·8	cg f .
11	7·5	66	− 1·6	+ 1·9	310	2·5	2·6	− 1·3	24·8	23·4	22.1	21·9	21·4	22·4	b : c : f .
12	9·5	84	− 1·7	+ 2·9	300	3·3	3·4	− 0·5	24·4	23·4	22·2	21·7	21·3	22·3	f .
13	10·7	95	− 1·0	+ 3·2	287	3·3	3·4	− 0·5	24·7	23·4	22·2	21·6	21·4	22·7	f .
14	9·6	84	− 2·1	+ 2·9	306	3·6	3·7	− 0·2	24·7	23·3	22·2	21·7	21·4	22·6	b : : c .
15	9·9	87	− 1·9	+ 3·2	301	3·7	3·8	− 0·1	24·6	23·3	22·2	21·9	21·7	23·0	c : : c .
16	9·5	83	− 2·9	+ 2·7	317	4·0	4·0	+ 0·1	24·8	23·3	22·2	22·0	21·7	22·9	c f .
17	4·2	37	− 2·9	+ 3·9	307	4·8	5·0	+ 1·1	24·6	23·3	22·2	21·9	21·4	22·5	b : c .
18	7·7	68	− 2·3	+ 4·4	298	4·9	5·1	+ 1·2	24·4	23·4	22·2	21·7	21·2	22·3	cg : f .
19	8·6	75	− 2·5	+ 3·8	303	4·5	4·6	+ 0·7	24·6	23·3	22·2	21·6	21·1	22·2	b : c : f .
20	8·3	73	− 2·0	+ 4·3	295	4·7	4·8	+ 0·9	24·5	23·3	22·3	21·7	21·3	22·8	c : f .
21	6·1	53	− 1·4	+ 3·5	292	3·7	3·9	0·0	24·5	23·3	22·3	21·9	21·5	22·9	b : f : b .
22	9·5	83	− 2·1	+ 4·0	298	4·5	4·6	+ 0·7	24·5	23·3	22·3	22·0	21·5	22·7	f .
23	10·7	93	− 2·2	+ 4·4	297	4·9	4·9	+ 1·0	24·4	23·2	22·2	22·2	21·3	22·5	f .
24	7·7	67	− 2·1	+ 5·3	292	5·7	5·7	+ 1·8	24·5	23.4	22·2	21·9	21·1	22·1	c : f .
25	7·0	61	− 0·9	+ 4·9	280	5·0	5·1	+ 1·2	24·5	23·3	22·2	21·7	20·9	21·9	f : c : f .
26	9·6	84	− 1·3	+ 4·4	287	4·6	4·7	+ 0·8	24·5	23·3	22·2	21·6	20·7	21·7	f : c : f .
27	10·0	86	− 1·2	+ 4·7	284	4·8	4·9	+ 1·0	24·5	23·4	22·2	21·6	20·9	22·1	f .
28	8·0	69	− 0·4	+ 3·2	277	3·2	3·3	− 0·6	24·3	23·1	22·2	21·6	20·7	21·9	b : f .
29	9·6	83	− 0·8	+ 2·4	288	2·5	2·6	− 1·3	24·3	23·2	22·2	21·7	20·8	22·3	c : f .
30	7·6	66	− 1·1	+ 3·0	290	3·2	3·3	− 0·6	24·5	23·3	22·2	21·9	21·0	22·3	b : f : c .
31	2·9	25	− 1·4	+ 4·0	289	4·2	4·3	+ 0·4	24·4	23·3	22·1	21·6	21·3	22·6	cg
Mean	7·19	63·1	− 1·43	+ 3·31	293·2	3·61	3·81	− 0.09	24·29	23·37	22·13	21·71	21·24	22·40	...
Average	7·69	67·8	− 1·40	+ 3·20	293·6	3·49	3·90		24·84	23·83	22·67	21·91	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF AUGUST 1927.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1020·1mbs	at	09.00h	on 25th	1008·7mbs	at	15·00h	on 2nd
Temperature of the Air	24·7C	at	13·10h	on 30th	13·3C	at	06·10h	on 29th
Daily range of temperature of the Air...	11·0C		...	on 29th	1·8C		...	on 7th
Temperature of the Dew Point	20·1C	at	17·00h	on 6th	9·9C	at	06·00h	on 28th
Daily range of temperature of the Dew Point	6·1C	...	...	on 28th	0·8C		...	on 2nd
Relative humidity...	100·0%	at	8h,9h,10h,13h,14h	on 7th	45·9%	at	12·00h	on 28th
Wind Velocity	8·7 m.p.s.	at	11·00h	on 24th	0·6 m.p.s	at	often	on often
Rainfall	66·6 mm	ending	18h	on the 7th	...		...	...
Temperature of the soil at 3 ins. ...	24·3C	at	18·00h	on 13th & 14th	20·4C	at	09·00h	on 1st
, at 6 ins. ...	22·2C	at	21·00h	on 16th	20·1C	at	12·00h	on 1st
Duration of sunshine	10·7 hrs.		...	on 13th & 23rd	0·0hrs.		...	7th
Amount of Evaporation in 24 hours	5·7 mm.		...	on 26th	2·8 m.m		...	on 4th
Vapour Tension	23·3 mbs	at	17·00h	on 6th	12·1mbs	at	06·00h	on 28th
Minimum on Grass	..		...	...	10·2°C		...	on 28th

Number of Days Overcast, 8, Clear 0, of Rain 25 of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air, 21·49C. Average 21·78C Mean Night Temperature of Air, 18·57C. Average 18·05,C.

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

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

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

AUGUST 1927.

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	0138	0109	0115	0123	0123	0128	0120	0140	0170	0153	0143	0140	0140	0151	0140	0144	Midnight
1h	0136	0104	0114	0119	0122	0123	0116	0139	0163	0150	0139	0137	0138	0150	0139	0143	1h
2	0133	0099	0112	0117	0120	0120	0111	0138	0161	0148	0133	0131	0137	0150	0132	0140	2
3	0128	0098	0110	0114	0118	0112	0107	0131	0159	0142	0130	0127	0131	0147	0128	0140	3
4	0126	0098	0110	0113	0117	0110	0107	0132	0158	0139	0129	0128	0131	0140	0127	0138	4
5	0124	0097	0109	0114	0113	0110	0109	0134	0158	0138	0129	0127	0131	0140	0126	0138	5
6	0122	0097	0112	0115	0115	0112	0113	0140	0159	0139	0130	0131	0137	0140	0129	0139	6
7	0124	0102	0116	0117	0118	0119	0119	0147	0161	0142	0138	0137	0141	0141	0131	0141	7
8	0123	0106	0119	0120	0122	0121	0120	0150	0164	0149	0141	0140	0149	0142	0139	0144	8
9	0124	0114	0125	0124	0127	0128	0129	0152	0168	0152	0149	0141	0151	0146	0142	0150	9
10	0122	0116	0127	0126	0127	0129	0134	0152	0159	0151	0149	0142	0151	0148	0144	0151	10
11	0116	0113	0114	0122	0121	0124	0132	0150	0162	0149	0142	0140	0150	0146	0140	0150	11
Noon	0113	0107	0108	0114	0115	0120	0130	0149	0158	0141	0140	0133	0140	0140	0133	0143	Noon
13h	0110	0100	0105	0110	0109	0116	0126	0139	0150	0135	0130	0126	0132	0133	0130	0136	13h
14	0095	0095	0104	0103	0101	0110	0120	0135	0143	0130	0122	0121	0130	0130	0121	0130	14
15	0093	0087	0098	0100	0101	0105	0120	0135	0141	0126	0120	0119	0130	0128	0121	0129	15
16	0094	0090	0100	0102	0101	0106	0120	0137	0141	0125	0120	0119	0130	0127	0122	0130	16
17	0100	0097	0105	0109	0109	0110	0121	0142	0141	0130	0121	0122	0136	0130	0125	0132	17
18	0101	0099	0118	0112	0114	0113	0127	0149	0148	0132	0128	0126	0140	0130	0130	0137	18
19	0103	0103	0120	0118	0120	0118	0129	0153	0150	0140	0131	0130	0142	0131	0133	0141	19
20	0106	0110	0122	0124	0123	0120	0138	0161	0153	0144	0138	0137	0149	0140	0140	0151	20
21	0110	0115	0124	0128	0127	0123	0141	0167	0158	0148	0140	0140	0150	0141	0145	0153	21
22	0111	0117	0127	0127	0128	0122	0141	0169	0158	0150	0141	0140	0150	0143	0148	0158	22
23	0110	0116	0125	0126	0127	0125	0140	0169	0157	0149	0141	0139	0151	0141	0146	0154	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	0151	0150	0158	0142	0140	0160	0180	0188	0190	0183	0170	0156	0151	0148	0137	1014·8	Midnight
1h	0149	0149	0152	0140	0138	0157	0180	0189	0189	0180	0164	0151	0147	0141	0137	1014·5	1h
2	0141	0147	0149	0134	0134	0153	0176	0184	0186	0177	0160	0147	0141	0139	0133	1014·1	2
3	0140	0140	0142	0132	0130	0150	0171	0181	0183	0172	0154	0141	0140	0130	0128	1013·7	3
4	0139	0142	0140	0130	0127	0150	0170	0181	0182	0173	0150	0140	0140	0125	0121	1013·6	4
5	0140	0142	0140	0130	0128	0151	0172	0181	0183	0170	0149	0140	0141	0126	0120	1013·6	5
6	0143	0147	0141	0132	0131	0157	0178	0187	0189	0175	0150	0143	0145	0128	0122	1013·9	6
7	0147	0150	0143	0133	0140	0161	0182	0191	0197	0180	0153	0150	0150	0130	0129	1014·3	7
8	0151	0153	0149	0139	0142	0166	0190	0195	0200	0181	0158	0154	0153	0133	0131	1014·7	8
9	0158	0157	0150	0141	0147	0170	0193	0200	0201	0187	0161	0162	0157	0139	0132	1015·1	9
10	0159	0159	0150	0141	0150	0170	0194	0200	0200	0185	0160	0162	0159	0137	0133	1015·2	10
11	0151	0152	0142	0139	0149	0169	0188	0192	0200	0181	0156	0158	0153	0131	0131	1014·7	11
Noon	0143	0150	0138	0132	0142	0160	0181	0190	0190	0174	0150	0154	0143	0129	0123	1014·1	Noon
13h	0139	0142	0131	0125	0135	0163	0177	0181	0180	0163	0140	0149	0139	0122	0120	1013·5	13h
14	0135	0140	0126	0121	0131	0150	0170	0179	0178	0159	0135	0140	0132	0120	0113	1013·0	14
15	0137	0140	0126	0120	0131	0151	0170	0173	0172	0153	0132	0139	0130	0116	0110	1012·8	15
16	0138	0140	0128	0121	0131	0152	0170	0173	0171	0152	0133	0139	0130	0115	0110	1012·8	16
17	0138	0140	0130	0126	0133	0157	0171	0178	0174	0158	0138	0140	0131	0120	0112	1013·1	17
18	0140	0145	0137	0131	0140	0163	0177	0180	0180	0160	0140	0143	0138	0124	0117	1013·6	18
19	0143	0150	0140	0139	0145	0171	0182	0182	0180	0162	0143	0148	0140	0127	0120	1014·0	19
20	0151	0154	0143	0142	0152	0180	0188	0189	0188	0169	0151	0152	0145	0131	0123	1014·6	20
21	0155	0158	0149	0142	0157	0182	0191	0191	0190	0171	0154	0159	0150	0132	0127	1014·9	21
22	0156	0160	0146	0141	0160	0181	0190	0190	0188	0171	0158	0156	0150	0136	0126	1015·0	22
23	0153	0160	0148	0141	0160	0181	0190	0190	0188	0170	0157	0152	0149	0136	0126	1014·9	23

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

Hour \ Day.	August 1927.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	1	5	1	10	9	10	10	9	7	8	0	6	2	0	8	9	0	10	1	9	3	0	8	8	1	8	0	0	9	1	9	5·2
1h	5	6	1	10	10	10	9	9	8	9	0	6	3	0	7	10	1	10	1	9	2	0	9	9	1	9	0	0	9	1	9	5·6
2	7	5	1	10	10	10	10	9	8	9	0	8	3	1	7	10	1	9	1	9	2	0	6	5	1	5	0	0	8	1	9	5·3
3	7	5	1	10	10	10	10	9	8	10	0	9	4	2	6	10	1	8	1	10	2	1	2	1	2	2	0	0	8	2	9	5·2
4	8	6	1	10	8	10	10	9	8	9	0	5	5	1	5	8	1	9	1	9	2	1	2	1	4	3	4	0	7	2	9	5·1
5	9	7	2	10	6	10	10	9	8	7	0	4	7	1	4	5	2	7	2	9	2	2	2	1	7	5	7	1	8	2	9	5·3
6	8	8	3	10	4	10	10	9	9	8	1	3	8	1	4	3	4	4	9	9	2	4	2	8	10	7	3	2	9	3	9	5·9
7	7	8	8	10	3	10	10	9	8	10	1	2	9	1	3	3	9	8	8	7	2	4	2	8	10	9	3	2	9	2	9	6·3
8	6	6	5	9	6	10	10	9	7	10	1	1	7	1	9	6	10	7	6	5	2	3	2	9	8	9	4	7	8	3	9	6·3
9	5	2	3	9	9	10	10	9	5	10	2	2	1	1	6	10	10	5	4	1	2	3	2	9	7	8	4	9	1	4	9	5·5
10	9	2	2	9	7	10	10	9	9	9	8	4	4	2	3	8	10	5	7	1	6	3	3	2	7	8	7	3	8	4	9	6·1
11	9	7	4	8	9	9	10	9	8	6	8	6	4	3	3	6	9	5	7	2	7	3	3	5	8	7	7	3	8	6	9	6·4
Noon	9	8	6	7	9	10	10	9	9	8	7	5	5	8	3	4	8	4	7	2	9	6	4	9	9	8	7	3	8	7	9	7·0
13h	7	7	7	9	9	10	10	8	8	5	9	7	5	6	4	4	8	6	7	7	9	7	7	7	9	7	9	8	4	6	9	7·3
14	7	8	6	7	9	10	10	8	9	5	9	6	6	5	3	5	9	6	6	7	9	7	5	6	9	7	5	8	4	7	9	7·0
15	8	9	5	7	9	10	10	9	9	5	6	6	5	5	3	5	9	5	6	7	10	7	4	9	9	7	7	6	2	9	9	7·0
16	8	9	6	7	7	10	10	9	10	5	5	5	4	5	3	4	9	4	6	6	8	6	5	9	9	6	7	5	3	9	9	6·7
17	9	9	5	8	5	10	10	9	10	5	4	5	4	6	2	4	10	4	5	5	6	5	4	9	10	5	8	4	4	9	8	6·5
18	7	8	4	9	4	10	10	8	4	4	3	4	3	6	2	3	10	3	4	6	5	4	4	9	6	3	5	1	5	9	8	5·5
19	8	7	7	9	4	10	9	8	6	3	2	5	2	9	4	2	9	2	5	7	3	2	3	7	4	5	4	1	4	8	9	5·4
20	9	6	9	10	3	10	8	9	8	2	1	6	4	9	5	1	9	2	6	7	3	1	2	5	2	8	3	0	3	7	9	5·4
21	9	4	10	10	2	9	10	3	9	1	1	3	3	9	9	0	10	1	5	10	2	1	1	2	1	4	2	0	2	6	9	4·8
22	8	2	10	10	4	10	9	4	8	0	2	2	1	9	10	0	10	1	7	7	1	4	4	1	4	3	1	2	1	7	9	4·9
23	6	1	10	10	6	10	9	4	7	0	3	3	0	9	9	0	10	1	8	6	0	9	8	1	8	2	0	6	1	8	10	5·3

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

Hour* Ending \ Day.	August 1927.																															
	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	17	0	20	0	0	0	0	0	10	0	27	6	13	20	20	8	0	0	0	16	14	15	22	5	0	0	14	29	0	20	0	4·6
8	29	45	38	35	0	2	0	1	57	20	60	53	60	60	33	50	0	0	40	3	60	58	60	48	40	46	60	35	45	60	0	18·3
9	45	58	55	18	12	0	0	59	58	10	60	60	60	60	30	31	3	12	51	40	60	58	60	47	58	43	60	15	60	60	0	21·2
10	35	55	60	25	45	0	0	30	50	20	60	60	60	60	60	41	0	55	38	60	57	58	60	50	52	60	55	55	41	60	13	22·9
11	0	53	60	53	15	3	0	10	38	58	32	60	60	60	60	60	19	48	55	60	33	60	60	53	16	58	56	60	60	60	48	22·8
Noon	0	46	60	32	0	0	0	18	38	55	19	60	60	50	60	60	51	45	60	60	6	60	60	46	38	44	58	60	59	35	0	20·7
13h	35	45	55	10	0	0	0	54	55	55	25	60	60	60	60	60	39	60	50	53	53	55	60	57	37	54	48	44	58	46	10	22·6
14	48	40	55	48	0	0	0	60	55	60	4	45	60	60	60	60	57	60	53	54	54	55	60	52	27	60	60	30	60	35	22	23·2
15	49	30	53	55	1	0	0	52	15	60	40	40	60	60	60	60	20	53	58	55	1	60	60	55	45	60	60	43	60	45	43	22·6
16	27	0	54	24	59	0	0	42	4	56	58	55	60	45	60	60	10	60	30	58	10	55	60	42	60	60	60	50	60	25	24	21·1
17	3	0	28	18	58	0	0	3	3	43	58	57	60	40	60	53	46	50	60	38	18	37	55	8	50	59	59	56	60	12	14	18·5
18	0	0	6	0	3	0	0	6	0	15	5	16	29	2	29	26	5	12	22	4	0	0	25	0	0	30	11	1	12	0	2	4·4

The total amount of registered sunshine was 222·9 hours and the total possible sunshine 353·0 hours.

* Reckoned from apparent midnight.

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

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

AUGUST 1927

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	17·1	1·1	18·1	0·8	17·9	1·4	19·0	0·7	19·2	0·5	19·3	0·4	19·8	0·1	18·9	0·5	Midnight
1h	17·1	0·8	18·1	0·8	17·5	1·0	19·1	0·5	19·3	0·4	19·3	0·3	20·1	0·2	18·7	0·4	1h
2	17·5	1·2	18·0	0·9	17·9	1·3	18·9	0·4	19·3	0·4	19·4	0·3	20·3	0·2	18·7	0·5	2
3	16·8	1·1	18·0	0·8	17·5	1·4	18·9	0·4	19·1	0·2	19·5	0·3	20·3	0·3	19·2	0·5	3
4	17·0	1·1	17·9	0·8	17·1	1·2	18·9	0·4	19·0	0·4	19·8	0·6	20·3	0·2	18·8	0·5	4
5	16·7	0·9	17·4	0·5	17·4	1·3	19·0	0·3	18·5	0·4	19·7	0·6	20·5	0·3	18·5	0·4	5
6	17·0	0·8	17·8	1·1	17·3	1·3	19·0	0·3	18·0	0·3	19·7	0·6	20·5	0·4	18·1	0·2	6
7	16·8	0·8	18·0	1·1	18·0	1·8	18·7	0·5	17·1	0·2	19·6	0·4	20·2	0·1	18·7	0·6	7
8	18·5	1·4	19·0	1·5	20·0	2·3	20·4	0·7	18·3	0·5	19·2	0·5	19·2	0·0	19·8	0·7	8
9	20·5	2·7	21·0	2·5	21·8	3·4	21·6	1·4	20·1	0·8	19·6	0·4	19·5	0·0	22·0	1·3	9
10	20·9	3·1	21·6	3·3	22·2	3·2	21·5	1·4	22·2	2·1	20·1	0·4	19·6	0·0	21·7	1·6	10
11	19·7	1·4	21·5	3·2	22·9	3·8	23·2	2·4	21·5	1·5	21·4	1·2	19·6	0·1	22·9	2·9	11
Noon	20·6	2·2	22·4	3·4	23·3	4·1	23·0	2·7	21·9	1·8	20·4	0·8	20·0	0·1	23·0	3·0	Noon
13h	21·3	2·9	22·3	3·3	22·6	3·9	22·3	2·2	21·5	1·2	20·6	0·6	19·7	0·0	23·2	3·0	13h
14	21·0	2·8	23·0	4·1	22·9	4·0	23·4	2·5	21·6	1·4	20·9	0·7	19·9	0·0	23·1	3·0	14
15	21·7	3·4	22·9	4·0	22·4	3·1	23·4	3·1	21·9	1·8	21·1	0·7	19·7	0·2	23·0	3·0	15
16	20·3	2·2	21·7	3·3	21·7	3·1	22·4	2·3	22·1	2·1	20·9	0·6	19·1	0·1	22·3	3·0	16
17	19·5	1·7	21·0	2·8	20·6	1·6	21·8	2·1	21·7	1·8	21·2	0·6	19·0	0·0	21·8	2·1	17
18	18·6	1·3	20·0	2·2	20·0	1·8	21·0	1·7	20·6	1·4	21·0	0·6	19·0	0·1	21·0	1·5	18
19	18·4	0·9	19·4	1·7	19·9	1·2	20·0	0·9	19·9	0·8	20·9	0·8	19·0	0·3	20·0	1·0	19
20	18·3	1·1	19·7	1·9	19·5	0·6	19·0	0·8	19·6	0·6	20·8	0·7	19·1	0·3	20·0	0·8	20
21	18·4	0·9	19·6	1·9	19·7	0·8	19·1	0·6	19·3	0·6	20·7	0·6	19·1	0·2	19·4	0·8	21
22	18·1	0·8	18·6	1·5	19·3	0·4	19·3	0·6	19·6	0·6	20·7	0·7	19·0	0·2	19·1	0·8	22
23	18·1	0·8	18·5	1·6	19·1	0·4	19·4	0·5	19·3	0·5	20·0	0·1	19·0	0·1	19·0	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.	16. Air.	16. Excess of Air over Evap.	Day. / Hour
Midnight	18·8	0·9	19·7	1·7	17·3	0·6	18·3	1·1	18·8	1·5	16·9	1·0	19·3	1·3	18·7	1·5	Midnight
1h	19·3	1·0	19·4	2·0	16·7	0·5	18·0	1·1	18·7	1·6	16·1	0·8	19·4	2·2	18·7	1·4	1h
2	19·2	0·9	19·2	1·7	16·6	0·6	17·6	0·7	18·1	1·2	16·3	0·9	18·5	1·2	18·3	1·2	2
3	18·8	0·8	19·4	2·1	17·0	0·5	17·1	1·0	18·8	1·6	17·3	1·2	18·8	1·5	18·1	1·1	3
4	18·3	0·6	18·2	0·6	17·0	0·6	17·9	0·6	18·0	1·3	17·0	1·2	18·7	1·5	17·8	1·1	4
5	18·3	0·4	18·2	0·9	17·3	0·7	17·5	0·4	17·9	0·9	17·0	1·1	18·6	1·5	17·7	0·9	5
6	18·1	1·0	18·0	0·9	16·1	0·3	17·9	0·8	18·7	1·6	16·3	0·7	18·7	1·7	17·4	1·1	6
7	19·0	1·2	18·3	1·1	16.6	0·7	17·0	0·7	19·1	1·6	16·6	0·9	18·5	1·5	17·6	1·2	7
8	20·9	2·4	18·3	0·7	19·6	1·4	19·2	1·0	21·0	2·1	20·4	2·3	19·9	1·7	18·9	2·2	8
9	22·0	3·1	19·1	1·1	22·0	2·8	21·9	2·9	22·2	3·3	22·1	4·0	21·0	2·3	20·0	3·0	9
10	22·5	2·7	20·2	1·8	22·9	3·7	22·1	3·4	22·9	3·7	23·3	5·1	22·3	4·0	21·5	3·4	10
11	22·7	3·2	22·2	3·5	22·6	3·4	22·4	3·7	23·3	4·1	23·7	5·3	23·1	4·9	22·8	4·8	11
Noon	23·0	3·2	23·0	3·6	22.3	3·2	23·5	4·5	24.1	5·1	23·6	4·6	23·3	5·1	23·2	5·6	Noon
13h	22·9	3·0	23·4	4·3	21·4	3·2	23·8	4·7	24·0	5·3	23·8	4·7	23·8	5·8	24·0	6·1	13h
14	22·7	2·8	23·4	4·1	23·0	4·1	22·8	3·9	24·1	6·3	24·1	4·4	23·7	5·6	24·0	6·7	14
15	21·9	1·7	23·0	3·9	23·3	5·0	22·7	3·5	24·1	6·2	23·6	3·9	23·5	5·8	23·7	5·8	15
16	21·7	2·7	22·1	3·1	22·8	4·1	22·2	3·4	23·3	5·8	23·0	3·8	22·7	5·8	22·8	5·7	16
17	21·4	2·5	21·8	2·8	22·0	3·9	21·8	3·7	22·5	4·6	21·9	3·0	21·9	5·0	21·6	4·5	17
18	20·7	2·4	20·7	1·8	20·3	2·3	20·7	2·4	20·9	3·3	20·9	2·2	20·4	3·5	20·3	3·6	18
19	20·0	2·0	19·7	1·3	19·0	1·7	19·9	1·8	19·2	2·2	20·0	1·4	19·2	2·3	19·6	2·6	19
20	19·7	1·6	18·7	1·0	18·0	1·3	19·3	1·4	18·4	1·5	19·7	0·9	18·6	2·0	19·5	2·5	20
21	19·7	1·5	18·2	0·8	17·9	1·5	19·4	1·4	18·6	1·7	19·3	1·2	18·0	1·2	19·2	2·0	21
22	19·6	1·6	18·4	0·6	18·1	1·2	19·1	1·4	18·3	1·4	19·2	1·0	18·6	0·9	19·0	2·3	22
23	19·9	1·7	18·0	0·9	17·8	0·9	18·9	1·4	17·6	1·5	19·1	2·1	18·9	1·1	19·0	2·1	23

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

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

AUGUST 1927

Day / Hour	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day / Hour
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	19·0	1·9	18·8	0·7	17·5	1·5	19·7	2·2	19·2	0·9	19·3	1·4	18·3	1·3	18·8	1·4	Midnight
1h	18·9	1·8	18·9	0·8	17·6	1·5	19·9	2·0	19·1	1·0	19·3	1·6	18·4	1·7	18·6	1·5	1h
2	19·0	1·8	18·8	1·0	17·0	1·2	19·9	2·0	19·0	1·2	18·7	1·6	18·4	1·2	18·6	1·8	2
3	19·0	1·9	18·7	1·0	17·0	1·2	20·0	1·9	18·3	0·8	18·8	1·6	18·3	1·7	18·0	2·6	3
4	19·0	2·0	18·7	0·8	17·6	1·4	20·0	1·9	18·7	1·0	18·2	1·2	17·7	1·7	17·1	2·6	4
5	18·2	1·5	18·3	0·6	18·3	1·6	19·9	1·7	18·2	1·1	18·3	1·3	17·1	1·7	17·3	1·4	5
6	18·9	1·9	18·3	1·2	18·7	2·4	19·6	1·5	18·7	1·6	18·4	1·4	16·4	1·4	18·3	3·3	6
7	19·6	2·3	18·7	1·5	19·0	2·5	20·1	1·4	18·9	1·6	18·7	1·7	16·9	1·8	18·0	3·8	7
8	19.9	2·0	19·3	1·6	19·8	1·8	20·5	1·6	21·3	2·4	20·2	2·1	20·3	3·4	19·9	3·8	8
9	19.7	0·9	19·8	1·5	21·9	3·1	22·3	3·2	22·7	3·0	21·3	3·3	21·7	4·8	21·0	3·7	9
10	20·1	1·0	21·9	3·0	20·2	1·7	22·9	3·6	22·9	3·6	22·4	4·3	21·9	5·1	21·7	3·8	10
11	20·7	1·4	22·5	3·6	21·9	2·9	23·5	4·4	21·7	1·9	22·9	4·9	22·3	5·1	21·9	4·6	11
Noon	21·7	1·8	22·3	3·6	22·3	3·3	23·8	4·7	22·1	2·1	24·1	5·2	23·3	5·7	22·0	4·7	Noon
13	22·0	2·3	23·0	4·3	22·8	3·9	23·1	3·8	23·0	3·7	23·0	4·8	23·1	5·1	22·7	5·0	13h
14	21.7	2·0	23·0	4·7	22·9	3·8	23·4	4.1	22·4	2·7	23·9	5·7	23·9	5·7	22·9	6·0	14
15	20·9	1·2	22·4	4·2	22·9	3·9	23·3	3.8	21·9	2·7	23·5	5·2	23·0	4·9	22·3	5·0	15
16	20·0	1·0	22·2	4·2	20·9	1·9	22·8	3·7	22·1	3·1	23·0	4·5	22·3	5·0	21·9	4·1	16
17	20.0	1·1	21·1	3·8	21·0	2·9	22·0	3.1	22·0	3·1	21·9	3·9	21·4	3·4	21·0	3·7	17
18	19·2	1·0	19·8	3·4	20·3	2·1	20·7	2·4	21·1	2·7	21·0	3·1	20·4	2·7	20·3	3·4	18
19	18·6	0·7	19·0	2·9	19·7	1·8	20·1	1·3	20·4	2·4	20·0	2·3	19·5	2·4	19·7	2·8	19
20	19·0	0·9	18·7	2·7	19·7	1·8	19·6	1·3	19·9	2·6	19·3	1·6	19·4	2·0	19·5	2·5	20
21	19·0	0·8	18·3	2·6	19·7	1·7	19·6	1·2	19·6	2·4	19·0	2·0	19·3	1·7	19·3	2·9	21
22	19·1	1·0	18·3	2·4	19·7	1.9	19·4	1·1	19·1	1·9	19·0	2·0	19·1	1·8	19·3	3·0	22
33	18·9	0·8	17·8	1·9	19·5	1·5	19·2	1·0	18·9	1·7	18·4	1·3	18·7	1·5	19·4	2·9	23

Day / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean		Day / Hour
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	19·2	3·0	17·6	1·7	18·6	1·4	17·7	2·3	17·3	1·5	17·2	0·9	18·8	1·9	18·5	1·2	Midnight
1h	19·1	3·2	17·6	1·5	18·7	1·7	17·3	2·1	17·4	1·5	16·8	0·6	18·8	1·9	18·4	1·2	1h
2	19·0	3·2	17·2	1·2	18·7	1·8	17·0	2·0	17·5	1·2	15·5	0·5	18·3	1·7	18·3	1·2	2
3	18·1	3·4	17·8	2·3	18·3	2·0	16·4	2·2	17·7	1·0	14·9	1·0	19·0	2·2	18·2	1·3	3
4	18·2	3·9	17·5	1·4	18·0	1·9	16·0	2·6	16·8	0·5	15·0	0·8	19·0	2·3	18·0	1·2	4
5	19·0	4·0	17·0	1·4	18·3	1·4	15·8	2·4	15·9	0·5	15·3	0·8	19·0	2·2	17·9	1·1	5
6	18·2	2·5	17·1	2·0	18·3	1·6	16·8	3·7	15·0	1·1	15·6	0·8	19·0	2·1	17·9	1·3	6
7	17·4	1·3	18·1	2·0	19·1	2·2	17·6	3·9	15·7	1·0	16·5	1·1	19·4	2·4	18·2	1·5	7
8	18·8	1·9	20·1	3·1	21·2	3·9	18·5	3·2	20·3	2·4	20·4	2·3	20·3	2·9	19·8	1·9	8
9	20·3	2·5	20·7	3·4	21·7	4·3	20·5	2·5	21·9	3·9	21·9	3·8	21·5	3·7	21·1	2·6	9
10	21·3	3·8	20·9	3·4	22·2	3·9	22·0	4·9	22·3	4·5	23·0	4·7	22·9	4·6	21·8	3·2	10
11	20·1	2·7	21·3	3·5	22·5	4·5	23·7	6·4	23·8	6·8	24·0	5·4	23·7	4·8	22·3	3·6	11
Noon	21·3	4·0	22·3	4·3	23·1	4·2	23·9	7·2	23·8	5·8	23·1	4·7	23·1	4·4	22.7	3·9	Noon
13h	22·3	5·0	22·4	4·7	23·5	5·2	23·0	5·7	23·3	5·4	24·1	5·1	23·5	4·5	22·8	4·0	13h
14	20·0	3·5	22·9	4·8	23·3	5·1	23·3	5·7	23·9	6·2	23·3	5·1	23.6	4·6	22·8	4·0	14
15	21·3	4·5	22·3	4·3	23·0	4·1	22·4	4·6	23·9	6·2	23·6	5·2	23·3	4·4	22·6	3·8	15
16	21·9	5·7	22·0	4·0	22·3	4·1	22·5	4·9	23·1	6·1	23·0	4·3	22·7	3·7	22·1	3·6	16
17	21·1	4·4	21·2	3·3	21·9	3·9	22·3	5·3	22·2	5·3	22·4	3·8	21.8	3·2	21·4	3·1	17
18	18·0	1·7	19·8	2·6	20·1	2.1	19·9	4·2	21·1	4·1	21·7	3·1	21·0	2·6	20·3	2·3	18
19	17·9	1·8	19·1	2·0	20·1	2·2	18·7	3·7	19·1	2·8	21·0	2·9	20·5	2·1	19·6	1·8	19
20	17·9	1·8	19·0	1·7	20·0	2·2	17·5	2·7	19.0	2·8	20·8	2·6	20·4	2·0	19·3	1·6	20
21	17·7	1·8	18·4	1·4	20·1	3·1	16·1	1·7	18·8	2·7	20·2	2·2	20·7	2·3	19·1	1·6	21
22	18·0	3·0	18·8	1·8	18·9	2·6	15·5	1·2	18·0	1·7	20·0	2·3	20·4	2·1	18·9	1·5	22
23	18·0	2·1	18·7	1·7	19·2	3·2	15·3	1·1	17·6	1·4	19·1	2·1	20·1	1·9	18·7	1·4	23

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

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

AUGUST 1927.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	886	914	885	915	882	912	882	927	900	906	900	926	920	920	900	911	Midnight
1h	878	922	881	919	882	918	882	927	900	914	911	928	917	917	896	918	1h
2	876	915	879	921	885	915	889	929	890	900	911	927	917	925	896	921	2
3	881	912	878	922	883	917	890	923	894	900	906	931	923	915	900	918	3
4	885	910	868	932	885	915	893	916	888	900	909	942	918	912	900	913	4
5	881	912	872	928	885	915	894	914	882	900	907	936	918	918	897	916	5
6	885	923	867	922	882	912	890	915	889	900	900	931	912	912	891	913	6
7	889	916	875	925	884	916	893	916	890	908	917	941	915	890	886	922	7
8	889	917	874	926	876	935	893	916	893	905	907	933	907	916	891	912	8
9	877	923	876	936	868	948	900	919	888	909	907	932	886	879	900	927	9
10	875	937	874	940	879	950	900	919	894	914	906	927	916	884	887	934	10
11	879	932	871	943	876	957	918	918	895	923	913	934	896	882	883	943	11
Noon	871	946	874	940	873	965	907	933	888	918	907	916	886	890	891	944	Noon
13h	866	952	884	939	878	953	905	926	902	911	915	915	910	896	889	953	13h
14	871	944	883	941	880	949	915	924	889	900	921	914	907	899	891	944	14
15	871	943	877	934	864	955	906	930	903	917	931	931	904	920	877	955	15
16	888	931	883	926	871	943	906	927	906	928	920	930	900	917	879	951	16
17	870	930	877	923	864	936	900	921	900	934	903	905	894	914	892	937	17
18	880	920	878	909	881	929	900	917	900	929	909	921	893	917	888	930	18
19	883	926	872	911	876	924	900	918	895	924	915	923	887	919	889	928	19
20	876	936	873	918	887	920	900	916	889	928	919	929	888	919	888	918	20
21	891	913	880	920	881	928	900	917	889	926	920	930	900	928	889	917	21
22	883	941	886	914	882	927	900	911	888	919	920	930	900	907	889	916	22
23	869	931	877	915	880	930	900	908	888	919	910	925	900	907	886	921	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	885	915	900	941	889	916	897	914	882	918	893	916	882	927	869	921	Midnight
1h	878	922	883	941	889	911	900	913	886	914	894	914	891	922	897	915	1h
2	890	924	887	932	884	916	898	908	883	926	892	919	892	920	882	908	2
3	889	917	887	932	884	916	892	920	879	931	893	917	889	929	878	922	3
4	891	921	889	928	882	918	887	909	884	940	891	912	888	931	873	911	4
5	887	920	886	921	885	915	889	905	886	935	885	915	883	926	883	907	5
6	886	922	889	926	885	915	889	911	892	920	884	916	889	929	884	907	6
7	884	940	900	933	885	915	892	908	886	934	886	910	890	923	874	911	7
8	891	945	900	923	892	908	882	918	887	933	876	924	887	932	847	922	8
9	890	947	900	933	876	924	876	936	890	951	861	939	882	943	862	925	9
10	887	963	890	924	887	934	881	947	900	958	864	936	875	959	885	937	10
11	900	968	900	956	887	932	878	952	900	948	873	941	876	957	855	945	11
Noon	900	969	900	942	882	927	877	955	900	958	870	946	858	962	871	944	Noon
13h	900	962	900	944	865	923	878	954	900	948	871	944	871	944	868	948	13h
14	900	971	885	938	881	929	871	943	882	943	870	946	877	956	870	945	14
15	900	962	883	943	877	934	876	958	883	943	863	937	869	946	871	944	15
16	900	953	892	941	879	932	879	950	885	938	869	931	869	946	876	936	16
17	900	954	893	936	876	924	883	943	886	935	876	936	872	941	873	927	17
18	891	943	888	919	882	918	886	936	893	916	885	923	881	919	875	925	18
19	892	938	889	917	885	915	883	926	894	913	875	925	882	918	868	932	19
20	894	931	890	914	896	904	884	924	893	916	884	939	885	910	855	930	20
21	893	933	886	922	893	905	877	923	895	911	900	942	893	916	864	924	21
22	889	953	890	915	888	918	876	924	893	917	885	937	884	911	868	921	22
23	893	935	890	914	888	919	878	922	892	919	873	927	887	913	870	930	23

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

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

AUGUST 1927.

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	861	926	880	948	887	913	889	928	890	915	882	918	878	922	885	938	Midnight
1h	864	924	879	952	882	918	884	939	890	915	880	900	886	935	877	935	1h
2	868	932	881	946	887	913	886	936	885	915	880	920	883	943	871	943	2
3	875	925	879	952	887	913	885	938	885	915	887	913	886	936	873	941	3
4	869	921	890	947	885	915	871	943	885	938	885	915	874	926	881	929	4
5	885	910	887	933	879	931	885	937	891	922	882	918	879	914	885	937	5
6	879	914	885	938	887	932	888	930	887	933	878	922	884	911	883	942	6
7	876	924	880	949	881	929	882	945	889	926	889	929	890	908	888	931	7
8	886	934	879	952	876	936	879	950	884	939	885	937	884	939	884	940	8
9	866	934	875	960	865	953	876	958	879	951	877	956	875	959	876	957	9
10	866	934	853	947	866	952	874	964	878	953	874	962	873	966	874	962	10
11	864	954	855	967	864	954	872	968	877	955	869	976	869	976	867	980	11
Noon	861	958	878	954	861	959	874	964	900	959	873	966	856	966	885	977	Noon
13h	861	958	872	967	865	952	878	952	876	957	869	974	875	959	883	983	13h
14	861	959	876	958	863	956	874	962	900	962	871	969	869	976	871	969	14
15	865	952	861	959	874	963	872	968	900	952	870	972	873	965	886	972	15
16	866	952	866	951	882	944	874	962	882	944	876	958	875	959	872	968	16
17	867	949	872	941	874	940	878	952	881	947	877	955	877	955	878	953	17
18	865	952	884	940	875	938	875	925	886	922	884	940	879	950	874	964	18
19	882	944	889	929	877	935	887	920	889	929	887	932	878	932	878	953	19
20	871	943	881	928	875	937	887	919	884	924	882	927	881	928	880	948	20
21	881	947	874	926	876	936	884	924	885	923	883	925	885	938	881	947	21
22	882	944	880	920	873	941	882	927	887	920	881	928	880	930	882	945	22
23	881	946	883	917	869	940	877	935	881	929	875	937	882	945	881	947	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	882	943	894	930	885	923	895	924	892	918	891	912	888	931	888	922	Midnight
1h	881	947	900	947	882	927	896	920	892	919	893	909	884	940	888	924	1h
2	891	945	882	943	871	929	890	923	900	922	893	910	884	924	887	924	2
3	892	940	900	944	883	925	892	918	893	915	889	916	886	921	888	924	3
4	887	934	900	940	889	929	892	919	894	913	889	917	883	920	887	923	4
5	891	945	900	923	889	927	892	920	896	910	886	922	887	934	888	921	5
6	891	943	876	924	886	935	889	927	896	909	897	905	874	940	887	922	6
7	882	944	892	939	887	932	892	918	896	909	890	915	893	933	889	924	7
8	900	946	885	937	890	949	888	918	894	915	887	920	887	933	886	929	8
9	900	956	881	946	900	975	908	938	891	921	882	927	879	951	883	939	9
10	900	970	912	961	900	968	913	966	906	930	892	938	879	950	886	945	10
11	878	953	887	964	886	971	900	959	908	937	900	945	880	948	883	950	11
Noon	900	966	886	969	887	965	900	954	900	841	908	941	879	950	884	950	Noon
13h	900	971	888	957	886	973	900	953	892	940	900	944	878	953	885	949	13
14	900	968	885	974	886	968	900	954	884	939	883	941	881	946	884	948	13
15	900	971	875	959	885	977	910	949	882	945	881	947	876	958	883	950	14
16	900	968	877	955	887	962	890	948	883	941	885	938	889	954	884	945	15
17	879	950	876	957	888	957	890	950	882	944	881	947	890	951	882	940	16
18	886	935	878	933	884	940	894	927	889	917	886	936	890	950	885	930	17
19	877	935	883	926	886	936	896	919	889	917	886	934	892	941	886	927	18
20	878	933	886	935	887	934	896	918	884	924	887	934	900	937	886	926	19
21	883	943	883	941	891	943	897	913	887	920	880	949	900	935	888	928	20
22	892	941	881	928	894	930	897	914	890	915	885	938	894	931	887	926	21
23	900	938	887	933	891	944	896	921	890	915	879	932	890	924	885	927	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during AUGUST 1927.

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

Hour \ Day	1d.		2d.		3d.		4d.		5d. *		6d.		7d. *		8d.		9d.		10d.		11d.		12d.		13d.		14d.		15d.		16	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	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	28	2·0	28	2·2	29	2·1	27	3·2	24	0·6	24	2·6	20	2·9	24	1·1	28	2·1	24	4·1	27	1·9	25	1·4	28	2·5	26	1·8	27	3·2	29	3·7
1h	28	3·1	28	2·7	28	2·5	27	3·2	24	1·4	22	3·0	20	2·4	25	1·8	28	3·1	26	4·4	28	1·5	24	1·3	28	2·0	26	1·5	26	2·4	25	1·5
2	29	2·8	28	3·0	28	2·1	26	3·1	32	1·0	22	2·9	21	3·0	25	2·1	26	2·6	26	3·4	28	2·3	25	0·8	27	3·1	26	2·1	26	2·2	30	2·0
3	29	2·2	28	3·2	28	2·4	26	2·5	32	0·6	23	3·2	19	2·7	24	1·8	27	2·0	26	3·4	28	2·3	26	2·2	27	3·7	26	1·9	26	3·1	28	3·2
4	29	1·8	28	4·5	28	2·2	26	1·8	32	1·2	23	4·3	19	2·1	24	1·3	26	2·3	26	3·0	28	2·6	29	1·6	26	4·3	27	1·5	26	3·3	30	2·9
5	29	2·2	28	4·0	28	2·1	26	1·5	32	1·8	23	3·7	20	2·5	25	1·6	27	2·4	27	2·5	28	2·2	30	1·2	26	3·8	28	2·1	27	3·1	30	1·9
6	27	2·7	29	4·0	29	2·1	27	1·8	32	1·1	24	3·1	20	1·7	27	1·6	27	2·6	26	2·8	28	2·2	28	1·6	26	2·2	28	2·3	26	3·1	30	1·8
7	27	1·9	28	3·5	28	2·3	26	1·8	29	1·3	22	4·4	r13	1·8	27	2·6	26	4·3	24	3·3	28	2·2	28	1·2	26	3·7	29	1·7	26	2·5	30	2·8
8	27	2·0	28	3·7	27	4·3	26	1·8	29	0·9	23	3·4	r22	1·8	27	1·5	25	4·6	24	2·3	28	1·2	28	2·5	26	3·5	28	3·4	26	3·4	30	5·8
9	28	3·3	27	4·4	27	5·8	24	1·9	29	1·5	23	3·3	d 5	2·5	24	2·7	25	4·8	24	3·3	28	3·4	27	4·3	25	5·2	28	5·6	26	4·7	29	4·6
10	27	4·5	27	4·8	26	5·4	24	1·9	26	1·6	23	2·8	12	2·3	26	3·6	25	6·4	26	2·6	26	3·6	26	5·1	24	5·8	28	5·2	26	6·4	26	4·0
11	27	3·8	27	5·2	26	6·2	20	2·5	25	2·4	22	3·6	7	1·8	26	4·6	24	6·8	24	5·6	26	3·4	26	5·7	24	4·8	27	4·9	26	6·2	28	6·4
Noon	27	5·2	27	4·8	26	7·0	23	3·4	27	2·1	22	1·8	3	1·7	25	4·5	24	6·9	24	4·2	27	3·2	26	6·0	24	5·8	27	5·5	27	7·5	27	5·3
13h	27	6·2	26	4·2	26	5·8	23	2·7	23	1·1	20	2·2	d14	1·1	25	5·4	24	6·2	24	4·4	29	4·2	26	5·9	24	4·8	27	5·3	27	5·3	27	5·8
14	27	5·3	26	4·4	26	5·3	21	2·8	d32	1·1	19	2·5	15	0·7	25	4·5	24	7·1	26	4·1	27	3·5	27	5·2	26	4·7	27	5·5	26	6·1	27	5·4
15	27	5·2	27	4·1	27	6·6	23	3·1	23	1·7	20	4·4	d23	2·0	26	6·0	24	6·2	26	4·6	27	4·1	26	6·3	26	4·6	28	5·3	27	5·6	27	5·3
16	26	3·3	27	3·1	27	5·2	23	2·8	23	2·9	21	3·6	24	1·7	26	5·5	24	5·3	25	4·2	27	3·8	26	5·4	25	4·1	28	4·4	27	5·6	27	4·4
17	28	4·3	28	3·3	28	5·2	24	2·1	24	3·4	21	2·0	26	1·5	25	3·8	24	5·4	25	3·7	28	3·4	26	4·6	26	3·8	27	4·4	27	5·0	28	3·9
18	28	2·9	30	2·4	27	3·5	24	1·7	24	2·9	22	2·3	26	1·9	26	3·2	25	4·4	27	2·2	28	2·6	26	3·9	26	1·8	27	2·7	28	2·7	28	3·5
19	27	3·1	30	3·0	28	3·4	24	1·8	25	2·5	21	2·7	27	2·3	26	3·0	25	3·9	27	2·0	28	2·1	27	3·1	26	1·4	28	3·5	28	2·6	28	4·6
20	27	4·3	29	3·3	27	2·4	24	1·6	26	3·0	21	3·5	27	2·2	27	2·1	25	3·2	27	1·7	28	0·6	27	2·9	26	1·8	26	4·2	29	1·8	29	5·4
21	27	1·6	28	2·9	27	3·4	24	1·7	26	2·8	21	3·6	24	2·8	27	2·0	25	3·4	27	2·6	29	0·9	28	3·3	26	1·2	24	4·2	26	1·8	29	4·4
22	26	4·4	28	2·0	27	3·2	24	1·1	27	2·2	21	3·6	24	0·7	27	1·9	25	5·4	27	1·8	27	2·1	28	3·4	26	1·9	26	4·0	29	1·9	29	3·8
23	28	4·4	29	2·7	27	3·6	24	0·8	27	2·2	22	2·7	24	0·7	27	2·5	25	3·6	27	1·7	27	2·2	28	3·2	26	2·1	28	3·8	28	1·8	28	4·3

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

r = retrograde. d = direct.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for AUGUST 1927.

Hour \ Day	1	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
1h	..	0·1	..	0·3	0·4	2·0	0·4	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	0·4	...	0·2	..	...	0·2	...	...
2	...	...	..	0·3	0·6	23·2	0·4	...	0·1	...	...	...	...	..	...	0·2	...	...	..	...	...	...	0·3	0·1	...	3·0	...	...	0·4	...	..
3	..	...	..	..	3·1	1·0	0·1	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...
4	...	...	...	..	0·5	8·7	1·0	...	0·1	0.6	..	0·5	..	...	0·2	1·7	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...
5	..	..	...	..	..	0·3	...	...	...	...	..	..	...	...	...	0·2	...	0·2	..	...	...	..	...	...	...	...	0·4	...	...	...	..
6	..	...	...	...	...	0·1	...	...	..	...	...	..	...	..	..	...	..	...	..	..	..	...	...	...	...	...	...	...	...	...	..
7	...	..	...	...	..	0·9	3·1	...	...	0·2	...	0·1	...	...	...	...	..	...	...	...	...	...	...	...	0·2	0·2	0·2	...	...	...	..
8	..	...	..	...	...	0·2	20·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...
9	...	...	...	..	...	...	2·8	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	...
10	...	...	...	..	...	1·0	5·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...
11	..	...	...	...	...	...	6·2	...	...	..	...	...	...	...	...	0·5	0·5	..	.	0·1	..	..	...	..	...	...	...	...	...	...	...
Noon	...	..	..	...	...	...	1·9	..	...	...	...	...	...	..	...	...	...	...	0·2	0·1	..	...	...	...	...	...	...	...	...	...	...
13h	...	..	...	...	..	1·9	6·7	...	...	...	..	..	...	..	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	..	.	.	1·1	1·3	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	..	...	..	...	...	...	...
15	...	...	...	...	..	1·0	2·4	.	...	...	...	...	...	...	...	...	1·3	..	...	...	...	...	...	...	...	...	..	...	...	...	...
16	...	.	..	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	..	0·2	..	..	...	...	...	...	...	...	...	...	...	...
17	0·1	.	..	...	...	1·1	1·4	...	...	...	...	...	...	...	...	...	...	..	..	..	..	.	...	...	...	...	.	...	...	...	...
18	.	...	...	...	...	...	0·2	...	...	...	...	...	...	...	0·1	...	...	.	...	...	...	...	...	..	0·4	...	...	..	...	...	...
19	..	...	..	.	...	0·1	.	.	...	...	...	...	...	...	...	...	0·4	...	...	...	..	...	..	...	0·1	...	0·3	...	...	...	...
20	0·1	...	..	...	...	...	..	..	..	...	...	...	..	...	...	...	0·8	...	...	0·1	.	...	...	...	...	...	...	...	...	...	...
21	0·1	...	..	...	..	...	.	..	..	...	...	...	...	...	...	...	0·2	...	.	.	.	...	...	...	...	0·	...	...	...	...	0·1
22	..	.	..	...	...	...	..	..	...	...	..	.	..	...	0·9	...	..	...	.	.	...	..	...	...	0·2	...	...	...	...	...	...
23	0·1	...	...	...	0·5	2·6	...	...	...	...	...	...	...	0·6	...	..	2·3	...	...	.	...	0·8	0·3	...	..	...	...	...	...	...	...
24	0·1	..	..	...	0·1	9·4	...	...	...	...	...	...	...	...	...	...	0·3	...	...	0·3	..	...	0·7	...	0·3	...	...	1·0	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART for the MONTH of AUGUST 1927.

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	5·73	145·5	48·0	12
	3	Belmont	50	7·01	178·1	34·8	16
	4	Poudre d'Or	20	6·55	166·4	35·3	15
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	5·86	148·8	89·2	19
	10	Mont Piton	360	7·11	180·6	78·7	21
	11	Mon Choix	700	6·20	157·4	72·9	15
	12	Antoinette	640	9·04	229·6	97·0	16
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	9·80	228·6	92·7	9
	15	Mon Songe	620	10·59	267·0	98·3	14
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	5·42	137·7	71·1	12
	19	The Observatory ...	179	5·50	139·7	63·0	25
	20	Solitude§	175	...	...	...	...
	21	St André	90	4·45	113·0	44·4	9
	22	Belle Vue Harel§ ...	350	...	...	.	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	..	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ ...	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E.§ ...	600	...	...	...	..
	2	Constance d'Arifat L.G.	100	9·86	504·3	67·6	14
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	14·48	367·8	120.1	24
	5	Constance (Manès)§ ...	..	...	...	...	..
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	..	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	9·90	251·5	...	16
	10	St. Julien E(K Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive§	400		...	...	...
	5	Olivia	400	29·17	740·9	96·8	16
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	21·77	552·9	...	27
5	1	Rose Belle§	850	..	...	...	...
	2	Riche-en-Eau§	460	...	..	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	..	...	...	...
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate* ...	...	13·92	353·6	...	19
	10	Bananes Estate§ ...	...	..	...	...	...
6	1	Kanaka	2,000	18·20	462·2	255·8	31
	2	Tivoli§	1,300	...	...	...	...
	3	La Flora*	1,050	19·39	492·5	...	30
	4	Britannia	720	13·85	351·8	152·1	...
	5	Savannah (Mill)§ ...	200	...	...	...	27
	6	St. Aubin§	300	..	...	..	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	..	...	...
	9	St. Avold*	900	16·57	420·9	...	27
	10	Terracine§	1000	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	13·00	330·1	...	20
	15	Fontenelle*	...	17·14	435·3	...	11
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre§	40	...	...	...	...
	3	Beau Champ§	...	...	...	...	...
	4	Board§	...	...	.	...	...
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	..	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
12	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	17·07	433·6	186·9	31
	3	Mare aux Vacoas ...	1,850	21·32	541·5	254·5	31
	4	La Marie Filter Bed ...	1,700	14·96	380·0	119·4	29
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse§	850	...	...	...	...
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	9·90	251·6	58·4	30
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands§	1,300	...	...	...	...
	7	Trianon	950	9·11	231·4	66·5	16
	8	Salency§	923	...	...	...	...
	9	La Ferme*	950	8·55	217·2	...	10
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,000	9·48	240·8	55·9	26
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin*	..	7·88	200·1	...	12
	15	Hermitage§	...	...	...	...	..
	16	Côte d'Or	...	12·91	327·9	...	18
	17	Mon Repos§	...	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute§	...	0·63	16.0	...	3

§ Records not received * Normals not available.

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of AUGUST 1927

Day \ Type	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. st. &c. Dir.	Cumulus Cu. st. &c. Vel./Height	Alto cu: Alto st: Dir.	Alto cu: Alto st: Vel./Height	Cirro Cumulu Dir.	Cirro Cumulu Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height	Time	Scud Dir.	Scud Vel./Height	Cum: Cu. st. &c. Dir.	Cum: Cu. st. &c. Vel./Height	Alto Cum Alto St: Dir.	Alto Cum Alto St: Vel./Height	Cirro Cum Dir.	Cirro Cum Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
	h		°		°		°		°		°			h		°		°		°		°		°		°
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	10¾	...	...	345	6·0*	...	...	...	...	...	...	...	...	12½	...	...	345	7·7*	105	4·5	...	...	...	...	...	...
3	11¼	...	...	295	6·5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	11¾	...	...	310	3·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	12½	...	...	285	8·0	...	...	...	...	...	...	...	...
9	9¾	...	...	330	13·6*	...	...	...	...	...	...	...	...	12¾	...	...	270	12·3*	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	12¾	...	...	270	6·3*	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	330	1·4	...	...	...	...	...	...	...	...
12	10	...	...	270	6·1*	...	...	...	...	...	...	...	...	12¾	...	...	270	5·0*	...	...	...	...	...	...	...	...
13	10	...	...	270	8·1*	...	...	...	...	...	...	...	...	14½	...	...	345	4·0	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	9¼	330	24·6*	330	14·0*	...	...	...	...	...	...	...	...	14¼	...	...	330	11·3*	...	...	...	...	...	...	...	...
16	11¾	...	...	285	8·3*	...	...	...	...	...	...	...	...	14¾	335	12·5	300	9·7	...	...	...	...	...	...	...	...
17	11½	...	...	360	16·7*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	9¾	...	...	255	8·1*	...	...	...	...	...	...	...	...	12¾	...	...	285	5·9*	...	...	...	...	...	...	...	...
19	...		...	315	18·7*	...	...	...	...	...	...	...	...	13¼	285	10·8*	240	10·6*	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	9¾	...	...	285	14·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	270	10·7*	...	...	...	...	...	...	...	...	10¾	300	19·6	285	12·7	...	...	...	...	...	...	...	...
24	9¾	...	...	300	15·9*	...	...	...	...	...	...	...	...	14¾	...	...	285	12·1*	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	...	270	7·6*	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	12¾	...	...	300	11·2*	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	13¼	...	...	225	6·1*	...	...	...	...	...	...	...	...
29	10	...	...	240	6·4*	...	...	...	...	...	...	...	...	14¼	...	...	315	3·2	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	13¼	...	...	240	12·9*	...	...	...	...	...	...	...	...
31	10	...	...	345	8·3*	...	...	...	...	...	...	...	...	13¼	...	...	300	7·1	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

SEPTEMBER 1927

R. A. WATSON, B.A., F.R. MET. SOC.,

DIRECTOR.

Published by Authority of His Excellency the Governor

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of SEPTEMBER 1927.

Month and Day. 1927	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.) K* †	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
	° ′				Unit γ	
1	11°31.9	·22788	—	10·0	52	—
2	30·6	797	—	8·0	47	—
3	—	793	—	—	46	—
4	31·1	786	—	6·6	73	—
5	31·9	787	—	8·4	49	—
6	33·1	807	—	5·8	40	—
7	32·9	800	·00032	5·6	76	13
8	33·0	801	30	8·2	43	27
9	32·3	798	28	10·2	43	37
10	32·9	792	33	5·0	36	17
11	32·6	792	32	4·8	45	23
12	33·0	799	30	6·6	28	25
13	33·2	793	28	8·6	29	28
14	32·9	796	27	9·8	23	33
15	—	799	27	—	41	25
16	32·6	802	29	10·6	18	28
17	34·3	800	30	12·6	21	33
18	33·5	802	28	9·8	16	20
19	33·2	802	29	10·6	23	31
20	33·3	802	26	14·4	32	46
21	33·3	805	27	8·6	19	31
22	33·6	810	23	9·6	31	42
23	33·8	809	27	8·4	24	30
24	33·8	813	25	10·8	39	37
25	33·3	816	22	8·2	28	40
26	33·0	813	19	10·8	52	56
27	34·3	817	21	7·2	38	35
28	34·3	801	26	8·4	32	53
29	33·8	799	26	7·4	79	25
30	33·8	803	24	6·0	55	26
31						
Mean	11°33·05	·22801	·00027	8.61	39·3	31·7

Description of the Principal Magnetic Disturbance

Conditions were generally disturbed up to the 15th but no big storms occurred. On the 6th at 20h. 40m. an apparently instantaneous rise of 21γ in H and smaller increases of D and V occurred but only a minor disturbance followed.

On the 11th a complete wave of about 55 minutes period and 95γ amplitude occurred in the H record. The disturbance was irregular on the D and V curves.

Quiet conditions followed from the 15th until the 25th when minor disturbances again occurred.

The daily range of D was conspicuously large during this quiet period.

Pulsations of V were discernible about 03.00 on the 9th and 24th

Γ=* : Mean Dip=θ=* (X=·22341 : Y=−·04565 : Z=*).

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

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of SEPTEMBR 1927

Declination (West)		Horizontal Force (C.G.S. Unit		Dip (South). A. M. Observations		Resulting Vertical Force	P. M Observations.		Resulting Vertical Force
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
SEP. 7· 9·59	11°33·96	SEP. 1· 9·39	·22806	SEP. 1. 9.12	52°34·33	—	SEP.		—
8· 9.21	11°35·05	8·10·15	·22797	7· 9· 7	52°31·18	—	7· 9·41	52°25·00	—
13· 9.29	11°36·50	8·12·22	·22795	9· 9·23	52°26·81	—			—
13·12·29	11°35·21	14·11·36	·22805	13· 9·14	52°29·50	—	13·12·41	52°28·93	—
21. 9·12	11°39·12	14·14·47	·22793	15· 9·19	52°25·84	—	15·12·36	52°31·13	—
21·15·38	11°30·09	21· 9·42	·22813	17·11·22	52°29·56	—	22·12·33	52°29·00	—
29· 8·50	11°35·96	21·14·58	·22809	26· 9·25	52°24·75	—	30·12·45	52°32·25	—
29·13· 2	11°32·00	29· 9·25	·22809						
		29·12·31	·22806						

*See note at foot of Table V.

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

SEPTEMBER 1927.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	11° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	36·0	30·0	32·0	33·0	32·6	32·0	33·8	33·0	33·2	34·2	34·8	33·6	33·4	33·4	33·0	34·0	Midnight
1h	36·0	29·6	32·2	33·2	32·4	32·0	33·0	33·4	33·2	35·0	34·8	33·6	33·6	33·8	...	33·6	1h
2	35·4	27·8	32·0	33·6	32·2	31·6	33·0	33·6	33·0	34·0	30·0	32·8	33·6	33·0	...	33·2	2
3	35·2	26·8	31·8	32·4	32·2	31·6	33·0	32·8	32·4	33·2	33·0	33·8	32·8	32·8	...	32·8	3
4	33·8	26·0	31·0	32·6	32·0	31·8	33·0	32·8	31·0	32·4	32·4	34·0	33·4	32·8	...	32·8	4
5	34·0	26·2	31·8	32·2	32·0	32·0	32·4	32·0	31·0	31·8	31·2	34·0	33·0	32·0	...	33·0	5
6	33·6	27·4	32·0	32·4	31·6	31·4	31·6	32·0	30·8	32·0	31·8	32·8	33·2	32·4	...	32·6	6
7	34·6	28·4	32·4	32·2	31·4	30·6	31·2	31·6	31·2	30·2	31·4	32·8	34·0	32·2	...	32·8	7
8	35·8	30·8	32·0	32·0	31·8	32·0	32·8	32·8	32·8	31·6	32·0	33·4	35·0	34·2	...	33·8	8
9	36·0	32·2	...	32·0	32·8	35·0	34·0	35·0	34·8	34·0	33·0	35·0	36·0	35·8	...	35·8	9
10	35·2	33·8	..	31·8	34·4	37·0	34·2	36·2	36·3	34·4	34·2	35·4	36·2	38·0	35·8	37·4	10
11	34·0	33·8	...	32·0	35·8	37·0	35·6	37·4	37·0	33·8	34·0	35·2	36·8	37·2	35·6	36·0	11
Noon	32·2	32·6	...	31·8	35·6	36·0	35·0	35·0	35·0	33·0	33·0	34·0	35·4	35·6	34·0	34·0	Noon
13h	32·0	31·8	...	30·0	34·8	34·6	34·0	32·0	32·8	33·0	31·6	33·0	32·0	32·8	32·8	28·4	13h
14	30·4	29·8	...	30·0	31·6	33·6	31·8	29·8	29·0	31·6	30·4	30·2	29·6	30·4	30·4	27·0	14
15	28·0	28·6	...	27·0	28·0	32·0	30·0	29·2	28·0	30·0	30·0	28·8	28·2	28·4	30·0	26·8	15
16	26·6	29·0	...	27·4	27·4	31·2	30·0	30·0	26·8	30·0	31·2	28·6	29·0	28·2	30·2	27·4	16
17	26·4	30·2	...	27·8	28·0	31·6	31·6	31·0	28·4	31·8	32·8	30·6	30·8	30·0	31·6	30·2	17
18	26·0	31·6	...	28·0	29·8	32·4	32·2	33·6	31·0	32·4	34·0	32·4	32·8	32·0	32·8	33·0	18
19	27·6	33·6	...	29·8	31·2	33·2	33·4	33·8	32·8	33·6	33·8	33·6	33·2	32·2	33·6	33·8	19
20	28·8	34·0	...	30·4	31·8	33·6	33·4	33·8	32·2	34·0	33·6	33·6	33·2	32·2	34·0	33·8	20
21	30·0	33·4	...	31·8	32·0	34·0	33·4	33·8	33·6	34·8	33·6	33·8	33·8	33·0	34·2	33·8	21
22	31·0	33·2	...	32·0	32·0	33·8	33·2	33·4	33·2	34·6	33·8	33·6	33·8	33·2	34·0	33·8	22
23	30·8	32·8	...	32·4	32·0	33·8	33·6	33·0	34·0	34·0	33·6	33·2	33·8	33·0	33·8	33·4	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour
	11° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′		′	
Midnight	33·8	34·0	33·4	34·0	34·0	33·6	33·4	33·6	33·6	34·2	34·2	34·0	34·6	34·2	...	33·6	Midnight
1h	33·8	33·8	33·2	34·0	33·8	33·6	34·0	33·8	33·8	34·0	34·0	34·0	34·0	34·0	...	33·6	1h
2	33·8	33·4	33·0	33·8	33·6	33·8	34·0	33·6	34·0	34·2	34·0	33·8	34·0	33·2	...	33·2	2
3	33·4	33·0	33·0	33·6	33·6	33·4	34·0	34·0	34·0	33·8	34·0	32·6	34·0	33·6	...	33·0	3
4	33·4	33·0	32·0	33·8	33·2	33·2	34·0	34·0	34·0	34·4	34·0	33·2	34·0	33·6	...	32·9	4
5	32·6	32·8	32·0	33·6	33·0	33·8	34·0	34·0	34·0	34·2	34·0	34·0	34·0	34·4	...	32·8	5
6	32·8	32·0	31·6	32·4	32·8	33·4	33·2	33·6	33·6	34·2	34·0	33·6	32·8	34·4	...	32·5	6
7	33·0	32·0	31·8	33·0	33·0	34·2	33·2	34·6	33·6	32·6	34·0	34·0	33·8	34·4	...	32·6	7
8	35·0	34·0	34·0	35·8	35·4	36·2	35·4	37·0	35·0	34·8	35·4	36·4	35·6	35·4	...	34·1	8
9	38·0	37·0	37·0	38·2	38·0	38·8	38·0	38·4	37·0	36·6	37·0	38·0	36·4	36·0	...	35·9	9
10	40·6	39·2	39·0	40·4	38·2	39·4	39·0	39·8	37·2	37·2	38·0	38·6	37·4	36·0	...	36·9	10
11	41·2	39·0	38·8	39·0	35·6	37·0	38·8	39·4	35·0	35·4	38·4	38·6	36·4	36·0	...	36·6	11
Noon	39·4	37·0	37·6	36·0	32·8	34·0	36·4	37·0	33·0	32·2	37·0	37·0	35·6	35·6	...	35·0	Noon
13h	35·8	33·4	34·0	30·4	31·6	31·4	33·2	33·8	31·6	28·0	33·4	33·6	32·4	32·0	...	32·4	13h
14	34·0	30·8	30·2	26·0	30·0	30·4	32·0	30·0	29·2	27·4	31·6	30·8	30·0	30·4	...	30·3	14
15	29·6	29·4	29·0	26·4	29·6	29·8	30·8	29·0	29·0	26·4	31·2	30·2	30·0	30·0	...	29·1	15
16	28·6	29·8	28·4	28·0	30·0	30·0	30·6	29·4	29·4	28·2	31·4	31·2	30·4	30·4	...	29·2	16
17	31·0	31·0	30·2	30·0	31·4	31·8	31·2	30·8	31·8	31·8	33·0	33·4	32·2	32·2	...	30·8	17
18	33·4	32·8	32·0	32·0	32·2	32·4	32·0	31·6	32·6	32·2	33·6	34·0	33·6	33·8	...	32·1	18
19	33·8	33·4	32·6	32·4	33·4	32·6	32·4	32·2	32·8	33·4	34·0	34·4	33·6	34·0	...	32·9	19
20	34·0	33·4	33·0	33·4	33·4	33·2	32·8	32·4	33·0	34·0	34·0	34·8	34·0	34·6	...	33·2	20
21	34·2	33·4	33·4	34·0	33·6	33·6	33·0	32·4	33·2	34·0	34·2	34·6	33·8	34·8	...	33·5	21
22	34·6	33·6	33·4	34·2	33·4	33·8	33·2	32·6	33·4	34·2	34·0	34·4	34·2	34·0	...	33·5	22
23	34·2	33·6	33·6	34·4	33·6	33·8	33·6	33·4	34·0	34·0	34·2	34·2	34·0	34·0	...	33·5	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).

SEPTEMBER 1927.

Day / Hour	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	·22000 + (C.G.S. UNIT).																
Midnight	782	780	790	788	770	792	812	810	803	788	770	785	792	797	800	795	Midnight
1h	790	786	790	789	772	790	812	792	808	777	780	793	795	798	800	798	1h
2	792	791	790	790	792	790	808	790	808	787	815	810	797	798	828	800	2
3	796	801	792	801	790	793	803	795	809	785	790	812	803	786	804	801	3
4	797	799	798	809	790	800	803	800	820	790	785	800	803	785	803	801	4
5	799	801	800	810	791	799	810	809	815	799	791	800	804	802	803	806	5
6	800	802	806	806	794	798	819	811	810	792	793	800	803	800	801	809	6
7	804	809	809	810	801	802	813	810	810	799	795	803	805	803	809	812	7
8	810	811	812	813	808	808	820	818	808	800	797	804	807	808	811	813	8
9	809	818	813	812	810	813	818	823	813	808	795	805	790	798	797	812	9
10	809	820	818	810	810	818	821	812	802	803	797	803	800	788	793	808	10
11	803	823	805	805	801	821	834	802	808	792	798	810	805	787	794	800	11
Noon	802	820	810	787	788	830	829	798	805	793	802	809	795	793	794	802	Noon
13h	798	820	808	778	776	824	802	799	795	801	801	800	792	799	804	805	13h
14	793	810	790	760	780	820	790	799	782	805	803	800	781	797	798	800	14
15	780	789	777	749	772	812	770	798	777	800	800	803	780	790	796	800	15
16	770	780	772	740	761	800	758	790	782	790	796	800	781	785	796	800	16
17	762	779	779	741	768	793	789	780	780	790	790	793	778	793	796	797	17
18	758	779	780	757	773	795	790	789	778	780	782	792	784	797	789	797	18
19	763	776	776	775	781	800	775	805	790	774	787	785	790	798	788	800	19
20	761	777	779	781	787	800	783	801	780	785	782	784	786	798	787	800	20
21	786	779	784	786	790	820	783	798	787	785	781	790	778	800	801	800	21
22	772	786	784	787	791	819	780	794	788	787	800	793	782	802	797	801	22
23	780	789	781	779	791	819	780	797	810	810	785	793	789	801	793	800	23

Day / Hour	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day / Hour
	·22000 + (C.G.S. UNIT).																
Midnight	798	797	801	802	793	800	806	810	805	808	809	810	800	785	...	795·9	Midnight
1h	802	796	809	802	798	805	802	810	809	814	802	809	802	787	...	797·2	1h
2	807	797	809	803	799	802	800	811	810	813	804	812	804	798	...	801·8	2
3	805	800	803	805	802	803	802	810	810	842	809	815	807	801	...	802·5	3
4	805	802	808	805	800	808	803	810	811	823	808	817	809	803	...	803·2	4
5	809	806	811	809	807	809	806	811	812	827	809	809	808	809	...	806·0	5
6	809	806	810	810	803	810	807	812	810	819	809	809	813	810	...	806·0	6
7	810	809	811	810	807	814	810	821	812	821	814	809	818	811	...	809·0	7
8	810	808	808	810	809	817	810	820	817	828	820	809	818	813	...	811·5	8
9	810	802	808	809	812	819	812	819	818	820	824	802	819	808	...	810·5	9
10	802	805	807	813	809	823	812	821	821	817	829	802	821	810	...	810·1	10
11	800	805	802	818	809	831	819	832	831	819	834	801	830	816	...	811·2	11
Noon	798	805	794	815	807	831	824	834	830	825	840	801	820	828	...	810·3	Noon
13	793	803	796	815	806	824	820	831	828	823	839	790	806	826	...	806·7	13h
14	790	800	797	800	810	814	816	831	827	810	830	787	794	822	..	801·2	14
15	789	795	792	800	812	809	809	815	825	803	821	792	798	816	...	795·6	15
16	791	793	788	795	808	805	803	802	818	805	815	795	792	811	...	790·7	16
17	798	801	793	795	803	805	800	798	813	802	810	795	778	807	...	790·2	17
18	799	804	800	790	802	803	802	795	808	795	810	792	707	803	...	789·7	18
19	791	808	801	793	805	802	809	800	803	790	814	793	751	798	...	790·7	19
20	790	803	802	787	804	800	808	801	809	801	813	785	770	791	...	791·2	20
21	789	801	803	786	804	800	807	802	811	802	813	786	781	782	...	793·8	21
22	800	802	802	788	803	800	807	802	812	800	810	800	785	773	...	794·9	22
23	798	804	799	804	800	800	809	806	827	809	816	803	784	779	...	797·8	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*).

SEPTEMBER 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	K + (10—5 C.G.S. UNIT)																
Midnight						—	30	35	31	32	37	33	32	32	32	32	Midnight
1h						—	30	32	30	35	34	32	31	32	31	31	1h
2						—	29	33	30	33	30	30	30	31	29	30	2
3						—	31	33	31	32	32	30	29	30	29	30	3
4						—	31	35	29	33	32	31	30	30	31	30	4
5						—	31	33	27	31	33	31	30	30	30	30	5
6						—	30	32	29	32	33	31	30	30	29	29	6
7						—	29	31	30	32	33	32	33	31	30	29	7
8						—	33	37	37	37	37	37	38	38	34	32	8
9						—	38	39	42	39	40	41	40	41	36	37	9
10						—	39	41	43	35	41	41	40	42	33	40	10
11						43	33	37	40	30	38	36	34	32	31	41	11
Noon						36	29	28	23	28	29	27	26	23	26	37	Noon
13h						25	28	19	16	27	19	20	21	16	20	23	13h
14						23	26	14	08	23	18	18	13	12	13	17	14
15						21	26	15	06	25	18	16	12	09	11	13	15
16						21	31	20	10	30	23	16	13	12	11	16	16
17						27	31	28	21	34	29	20	19	18	18	21	17
18						32	32	33	32	38	33	28	28	23	23	28	18
19						32	33	31	32	40	33	31	28	27	28	28	19
20						32	36	31	31	40	33	32	29	29	29	28	20
21						31	36	32	35	38	36	34	31	30	30	29	21
22						29	35	31	32	37	35	33	33	31	31	30	22
23						30	35	31	36	32	33	33	33	31	32	30	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
	K + (10—5 C.G.S. UNIT.)																
Midnight	31	30	29	30	28	29	27	26	27	28	27	27	29	32	...	30·3	Midnight
1h	31	30	30	30	28	28	27	26	27	27	27	27	28	32	...	29·8	1h
2	30	30	30	30	28	28	28	26	27	27	27	27	27	29	...	29·1	2
3	30	30	30	30	29	29	28	26	27	23	26	24	27	29	...	29·0	3
4	30	30	30	30	29	30	28	27	27	25	26	25	26	29	...	29·3	4
5	28	30	30	30	30	30	28	27	27	27	26	27	27	30	...	29·3	5
6	29	29	28	29	28	30	28	27	27	27	26	26	26	27	.	28·8	6
7	31	30	29	30	30	30	29	30	30	28	28	29	28	29	...	30·0	7
8	38	33	36	37	37	35	34	36	33	33	31	37	33	29	...	35·1	8
9	46	40	45	42	41	38	41	39	36	36	32	44	36	30	...	39·1	9
10	48	38	47	42	39	34	42	38	32	30	32	45	33	30	...	38·5	10
11	45	34	40	37	31	26	33	30	19	19	22	43	26	23	...	32·5	11
Noon	38	31	30	23	24	14	28	16	04	04	09	31	23	20	...	23·8	Noon
13h	29	20	20	05	17	03	18	07	—03	—16	—03	20	17	12	...	14·8	13h
14	18	21	17	—04	10	—04	12	02	—04	—20	—02	12	12	06	...	9·9	14
15	15	22	16	02	11	00	13	07	02	—16	04	09	11	08	...	10·6	15
16	15	20	20	13	18	09	18	13	10	—01	10	08	12	13	...	15·0	16
17	20	22	25	21	22	18	20	21	18	12	16	13	18	17	...	20·9	17
18	27	26	29	27	27	23	23	25	23	20	20	19	23	21	...	26·3	18
19	26	26	28	27	28	26	26	27	27	26	21	22	27	22	...	27·9	19
20	27	26	28	28	28	26	26	28	28	28	24	26	30	26	...	29·0	20
21	29	28	28	29	29	27	27	28	28	28	27	29	30	28	...	30·3	21
22	30	29	28	30	28	27	27	28	28	30	28	29	32	30	.	30·5	22
23	30	29	29	29	28	27	27	28	30	28	29	29	32	31	...	30·5	23

* Absolute values cannot be allotted. The figures are consistent apart from instrumental drift throughout the month, but discontinuities may occur between successive months. These will be noted

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of SEPTEMBER 1927.

Month and Day 1927	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	Amount of Rain measured at	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees *	Wind. Velocity.	Highest.	Lowest.	Range				
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	969·7	20·2	1·7	17·2	83	19·4	270	2·7	Thermometer broken	16·4		5·1	0·0	7·0	60
2	969·7	20·6	1·4	18·1	86	20·6	—	Calm		16·5		9·0	1·0	5·0	43
3	971·7	20·0	1·2	17·9	87	20·3	290	0·9		15·4		7·1	3·2	7·4	63
4	972·3	21·1	2·0	17·6	80	19·9	—	Calm		12·4		1·2	0·0	10·9	93
5	973·7	17·9	1·0	16·1	89	18·1	310	2·7		14·9		6·3	1·7	8·2	70
6	975·3	17·1	0·9	15·4	90	17·3	290	2·7		13·7		9·1	0·0	1·6	14
7	974·9	16·7	0·4	16·0	96	18·0	290	6·7		13·6		7·2	3·4	6·8	58
8	973·6	18·2	0·9	16·5	90	18·6	280	5·8		14·7		8·2	2·5	8·1	69
9	972·5	18·0	0·7	16·7	92	18·8	290	3·1		12·8		5·2	0·9	9·0	76
10	972·1	18·3	0·2	17·9	98	20·3	290	8·1		15·7		4·2	1·9	8·4	71
11	969·5	20·2	1·0	18·4	90	21·0	270	3·1		14·9		3·3	0·0	6·5	55
12	970·0	20·0	0·8	18·6	91	21·2	220	0·9		13·4		2·3	0·0	6·4	54
13	971·2	20·1	0·5	19·2	94	22·0	—	Calm		12·2		4·2	5·7	10·6	89
14	973·5	17·9	1·2	15·7	87	17·7	300	3·6		15·8		5·3	3·3	8·6	72
15	972·0	17·5	0·9	15·8	90	17·8	290	6·3		15·7		8·0	10·7	7·1	60
16	971·4	17·9	1·1	15·9	88	17·9	290	4·5		15·2		7·3	11·4	4·9	41
17	970·1	20·1	2·3	16·0	77	18·0	280	2·2		15·6		4·2	6·7	7·9	66
18	969·7	18·2	2·3	14·0	76	15·8	290	4·0		15·6		5·2	1·5	2·7	22
19	969·2	19·0	3·9	11·9	63	13·8	320	0·9		13·3		3·1	0·2	11·0	92
20	968·8	20·2	4·2	12·7	62	14·6	310	1·3		14·1		2·3	0·0	10·1	84
21	970·3	19·1	2·0	15·5	79	17·4	290	3·6		14·7		6·2	0·2	7·4	62
22	969·8	21·1	3·0	15·8	72	17·8	270	1·8		16·0		8·2	0·4	2·7	22
23	970·4	19·7	2·7	14·8	74	16·7	340	1·8		15·1		6·1	0·6	10·7	88
24	971·8	17·3	3·4	11·0	66	13·0	310	8·1		13·2		0·2	9·3	10·5	87
25	974·5	18·1	4·2	10·4	61	12·5	290	8·5		13·1		2·3	0·0	10·8	89
26	975·0	19·1	3·1	13·5	70	15·3	290	5·8		15·1		8·3	0·0	7·8	64
27	973·5	19·0	3·1	13·4	70	15·2	290	5·8		14·4		7·1	0·2	6·4	53
28	971·2	20·1	3·5	13·8	67	15·6	280	1·3		12·7		5·1	1·4	4·5	37
29	970·0	20·5	4·3	12·8	61	14·7	—	Calm		11·9		0·3	0·0	9·0	74
30	971·1	20·5	1·6	17·6	83	19·9	270	0·5		12·1		4·0	0·0	10·7	88
...	...	...	...	...	...	...	...	...		...		...	...	...	...
Mean	970·2	19·7	1·3	15·5	80.4	17·7	290·9°	3·6		14·3		5·2	Sum 66·2	7·62	63·9
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.	Atmospheric Pressure	+ 44·0 mbs
	Temperature of the Air	+ 2·5°C
	Vapour Tension	— 0·7 mbs
	Relative Humidity	—18·1%
	Direction of Wind	4.6°E
	Velocity of Wind	+ 0·6 m.p.s.
	Amount of cloud	— 0·2

Amount of rain	—36·1 mm.
Duration of sunshine	+ 8·7 hrs
Mean of highest temperatures	...
Mean of lowest temperatures	+2·7°C
Absolute highest temperature	...
Absolute lowest temperature	+1·4°C

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

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1927.

Month and Day 1927	Atmospheric Pressure: Mean	Atmospheric Pressure: Excess above Average	Temperature of the Air (in degrees Centigrade.): ighest	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	Elasti 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)
	mbs.	mbs.	c	c	c	c	c	c		c			mbs.	c	mm.	min	mm.	
1	1011·4	− 2·7	24·9	19·4	5·5	21·4	+ 1·0	2·4	17·2	+ 2·1	77	+ 4	19·4	16·2	0·1	5	3·3	7.2
2	1012·3	− 1·7	25·9	19·2	6·7	21·9	+ 1·5	2·4	17·7	+ 2·6	77	+ 4	20·1	16·2	0·6	20	4·4	5·7
3	1013·4	− 0·6	24·9	17·4	7·5	20·9	+ 0·5	3·0	15·6	+ 0·4	72	− 1	17·6	13·4	0·0	...	4·8	5·9
4	1014·0	0·0	25·6	16·6	9·0	20·4	0·0	2·5	15·9	+ 0·7	76	+ 4	17·9	10·8	0·2	3	4·2	4·9
5	1015·6	+ 1·6	24·6	14·2	10·4	19·2	− 1·3	3·0	13·8	− 1·4	71	− 1	15·6	11·3	0·0	...	5·6	4·1
6	1017·6	+ 3·7	22·3	16·7	5·6	19·2	− 1·3	3·6	12·7	− 2·5	66	− 6	14·6	13·9	0·2	10	3·4	9·4
7	1016·7	+ 2.8	21·8	16·7	5·1	18·8	− 1·7	2·2	14·8	− 0·4	78	+ 6	16·7	15·0	1·3	35	3·8	7·2
8	1014·8	+ 0·9	23·2	17·1	6·1	19·9	− 0·7	2·6	15·3	+ 0·1	75	+ 3	17·2	15·1	1·7	28	5·5	6·5
9	1013·8	− 0·1	24·3	16·0	8·3	19·8	− 0·8	2·7	15·0	− 0·2	74	+ 2	16·9	15·1	0·6	15	4·2	4·3
10	1013·3	− 0·5	23·4	18·4	5·0	20·5	− 0·1	3·0	15·1	− 0·2	71	− 1	17·0	14·1	0·0	...	4·6	4·1
11	1012·3	− 1·5	23·9	16·9	7·0	20·7	0·0	2·6	16·1	+ 0·8	75	+ 3	18·1	12 6	0·2	7	4·8	4·0
12	1011·7	− 2·1	24·9	15·9	9·0	20·5	− 0·2	3·0	15·1	− 0·2	71	− 1	17·0	11·8	0·1	3	4·7	2·8
13	1013·2	− 0·5	25·7	15·0	10·7	19·9	− 0·8	2·6	15·3	0·0	75	+ 3	17·2	11·0	0·0	...	4·0	3·6
14	1014·8	+ 1·1	24·0	18·3	5·7	20·7	− 0·1	2·9	15·6	+ 0·3	73	+ 1	17·6	14·0	0·0	...	4·0	4·3
15	1013·4	− 0·3	23·8	18·3	5·5	20·3	− 0·6	2·3	16·2	+ 0·8	77	+ 5	18·2	15·3	3·8	69	6·4	7·0
16	1012·4	− 1·2	24·3	17·6	6·7	20·7	− 0·2	2·7	15·9	+ 0·5	74	+ 2	17·9	16·1	4·9	42	7·9	6·3
17	1011·7	− 1·9	23·1	17·6	5·5	20·4	− 0·5	2·1	16·6	+ 1·2	79	+ 7	18·7	16·1	3·0	18	4·2	7·5
18	1010·9	− 2·6	23·7	18·2	5·5	20·6	− 0·3	2·6	16·0	+ 0·6	75	+ 3	18·0	11·8	0·7	8	3·5	6·5
19	1010·4	− 3·1	25·2	14·3	10·9	20·0	− 1·0	3·1	14·5	− 1·0	71	0	16 4	9·3	0·1	2	4·9	2·4
20	1011·0	− 2·5	25·2	14·7	10·5	19·5	− 1·5	3·6	13·0	− 2·5	67	− 4	14·9	10·9	0·0	...	5·2	1·8
21	1011·8	− 1·6	24·2	16·1	8·1	20·6	− 0·5	2·9	15·5	0·0	72	+ 1	17·4	12·1	0·0	...	4·5	3·7
22	1011·4	− 2.0	24·3	18·7	5·6	20·5	− 0·6	1·8	17·3	+ 1·8	82	+ 11	19·6	13·2	12·0	55	2·9	7·2
23	1011·9	− 1·4	24·3	17·0	7·3	20·2	− 1·0	3·0	14·8	− 0·8	71	0	16·7	13·0	0·0	...	5·0	3·6
24	1013·9	+ 0·6	22·3	16·4	5·9	19·3	− 1·9	4·1	11·9	− 3·7	62	− 9	13·8	12·6	0·1	2	6·5	2·1
25	1016·0	+ 2·8	23·3	15·9	7·4	20·0	− 1·2	4·7	11·6	− 4·0	58	− 13	13·5	11·8	0·0	...	7·5	4·2
26	1016·6	+ 3·4	22·7	18·9	3·8	20·9	− 0·4	4·3	13·3	− 2·4	62	− 9	15·1	16·0	0·0	...	5·9	7·0
27	1015·0	+ 1·9	24·0	16·9	7·1	20·1	− 1·2	3·6	13·7	− 2·0	67	− 4	15·5	13·4	0·0	...	4·5	5·5
28	1012.6	− 0·5	24·3	15·0	9·3	19·7	− 1·7	3·2	14·0	− 1·7	70	− 1	15·8	10·4	0·5	9	4·3	6.0
29	1011·9	− 1·1	25·2	13·3	11·9	19·7	− 1·7	3·3	13·8	− 2·0	69	− 2	15·6	9·4	0·0	...	5·0	2·1
30	1012·4	− 0·5	26.0	13·7	12·3	19·6	− 1·8	3·2	13·9	− 1·9	69	− 2	15·7	8·9	0·0	...	6·0	0·9
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1013·3	− 0·3	24·2	16·7	7·5	20·2	− 0.7	3·0	14·9	− 0·5	71·9	+ 0.2	16·8	13·0	Sum 30·1	Sum 331	4·8	4·9
Aver.	1013·6	...	25·3	17·0	8·3	20·9	...	3·1	15·4	...	71·7	...	17·3	13·7	33·1	867	4·7	5·1
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF SEPTEMBER 1927.

With the exception of two short positive waves which culminated on the 6th and 26th respectively, pressure was below normal throughout the month and was 0.3 mbs below in the mean.

Temperature was below normal during the whole month except from the 1st to 3rd.

Relative Humidity was very variable and was 0·2% above in the mean for the month.

Agriculturally, conditions wave good. Rainfall was normal and its distribution in time and space, satisfactory. At the Observatory, rainfall was 9% below normal.

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

Northern Districts	River System 1,	35%	below	Western Districts	River System 11	25% above
Eastern Districts	,, ,, 2, 3, 4,	13%	,,		,, ,, 12	7% below
South-Eastern Districts	,, ,, 5 & 6	19%	,,		,, 13	78% ,,

22nd December, 1927

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1927.

Month and Day 1927.	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	6 inches	3 inches	Weather
SEPTEMBER	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	
1	4·5	39	− 0·4	+ 3·3	277	3·3	3·5	− 0·4	24·4	23·3	22·1	21·9	21·8	23·2	og : f .
2	8·6	74	+ 0·5	+ 2·0	256	2·0	2·2	− 1·7	24·4	23·4	22·2	22·1	22·4	23·7	f .
3	8·0	68	− 0·5	+ 2·2	283	2·2	2·3	− 1·6	24·4	23·2	22·3	22·5	22·6	24·0	f c f .
4	8·9	76	− 0·6	0·0	360	0·6	2·0	− 1·9	24·5	23·3	22·4	22·6	22·6	23·9	c : f .
5	8·7	74	− 1·7	+ 2·5	304	3·0	3·2	− 0·7	24·4	23·3	22·5	22·9	22·1	22·9	b : f : c .
6	0·8	7	− 1·5	+ 3·1	296	3·4	3·5	− 0·3	24·5	23·3	22·5	22·6	21·8	22·2	og : c .
7	7·2	61	− 0·9	+ 4·6	281	4·7	4·8	+ 1·0	24·4	23·3	22·5	22·4	21·3	21·7	cg .
8	9.2	78	− 0·3	+ 4·1	274	4·1	4·2	+ 0·4	24·4	23·3	22·5	22·0	21·4	22·0	c : f .
9	8·0	68	− 1·4	+ 3·2	294	3·5	3·6	− 0·2	24·3	23·4	22·4	22·3	21·4	22·0	b : c : f .
10	7·4	63	− 2·3	+ 3·8	301	4·4	4·5	+ 0·7	24·3	23·1	22·4	22·5	21·7	22·3	b : c f .
11	6·6	56	− 0·6	+ 2·7	283	2·7	2·9	− 0·9	24·3	23·4	22.4	22·2	21·7	22·1	b : c : f : b .
12	10·5	88	+ 0·3	+ 1·8	260	1·8	2·0	− 1·8	24·3	23·1	22·4	22·1	21·8	22·4	b : f : b .
13	10·2	86	− 1·0	+ 1·4	306	1·7	2·1	− 1·7	24·3	23·2	22·5	22·4	22·0	22·5	b : c : f .
14	8·9	75	− 2·1	+ 3·9	298	4·4	4·5	+ 0·7	24·3	23·3	22·5	22·4	22·1	22·1	b : c : f .
15	8·8	74	− 2·1	+ 5·0	293	5·4	5·4	+ 1·6	24·3	23·3	22·6	22·6	22·1	22·2	c .
16	9·2	77	− 1·9	+ 4·1	295	4·5	4·6	+ 0·8	24·2	23·1	22·6	22·6	22·2	22·2	f .
17	7·5	62	− 0·8	+ 3·7	282	3·8	3·9	+ 0·1	24·3	23·3	22·7	23·0	22·2	22·0	c .
18	1·2	10	− 1·3	+ 2·7	296	3·0	3·1	− 0·7	24·2	23·4	22·7	22·6	22·0	21·9	c : f .
19	9·4	78	− 1·7	+ 1·4	320	2·2	2·4	− 1·4	24·3	23·2	22·7	22·9	21·9	21·9	f .
20	11·2	93	− 1·9	+ 1·5	322	2·4	2·5	− 1·3	24·3	23·3	22·7	23·1	21·9	21·9	b : f : b .
21	9·0	75	− 1·9	+ 3·6	298	4·0	4·2	+ 0·4	24·2	23·2	22·7	22 9	22·0	21·9	b : c : f .
22	2·0	17	− 0·8	+ 1·1	306	1·3	2·2	− 1·6	24·2	23·3	22·7	23·0	22·3	22·3	b : c .
23	9·8	81	− 3·5	+ 2·5	324	4·3	4·4	+ 0·6	24·2	23·2	22·7	23·0	22·3	22·5	b : c 1f .
24	10·9	90	− 3·4	+ 4·4	308	5·5	5·7	+ 2·0	24·2	23.3	22·7	22·9	22·2	22·1	f .
25	10·2	84	− 2·5	+ 5·1	296	5·7	5·7	+ 2·0	24·2	23·3	22·7	22·8	21·8	21·4	f : c .
26	7·1	59	− 1·8	+ 4·8	291	5·1	5·2	+ 1·5	24·2	23·3	22·7	22·7	21·8	21·7	c : f .
27	6·2	51	− 0·9	+ 3·8	283	3·9	4·0	+ 0·3	24·2	23·3	22·7	22·7	21·9	21·9	c : f .
28	4·8	39	− 0·7	+ 2·2	288	2·3	2·4	− 1·3	24·2	23·1	22·7	22·6	21·9	21·8	c : f .
29	10·9	89	− 0·7	0·0	360	0·7	2·1	− 1·6	24·2	23·2	22·7	22·6	22 0	22·2	b : c : f .
30	17·7	96	− 0·3	+ 0·4	307	0·5	2·1	− 1·6	24·2	23·4	22·7	23·0	22·6	22·8	b
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Mean	7·91	66·3	− 1·29	+ 2·83	294·5	3·11	3·51	− 02.8	24·29	23·27	22·55	22 61	22·66	22·33	...
Average	8·08	67·7	− 1·04	+ 3·07	288·7	3·25	3·79	..	24·57	23·79	22·68	22·86	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF SEPTEMBER 1927.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	·018·6mbs	at	9h & 21h	on 6th	1008·5 mbs	at	15h	on 19th
Temperature of the Air	26·0C	at	14·35h	on 30th	13·3C	at	05·05h	on 29th
Daily range of temperature of the Air...	12·3C		...	on 30th	3·8C		...	on 26th
Temperature of the Dew Point	18·8C	at	8h	on 17th	10·2C	at	10h	on 6th
Daily range of temperature of the Dew Point	5·0C	...	...	on 6th	1·3C		...	on 2nd
Relative humidity...	97·6%	at	0h,	on 17th	43·9%	at	14h	on 20th
Wind Velocity	9·2 m.p.s.	at	·11h	on 25th	0·6 mps	at	often	on often
Rainfall	6·7 mm ending		3h	on the 17th	...		...	...
Temperature of the soil at 3 ins. ...	25·7C	at	·15h	on 4th	19·7C	at	06h & 9h	on 29th
, at 6 ns. ...	23·6 C	at	·21h	on 30th	20·7C	at	·09h	on 9th
Duration of sunshine	11·7 hrs.		...	on 30th	0·8hrs.		...	6th
Amount of Evaporation in 24 hours	7·9 mm.		...	on 16th	2·9 m.m		...	on 22nd
Vapour Tension	21·5 mbs	at	8h	on 17th	12·3 mbs	at	10h	on 6th
Minimum on Grass	...		...	...	8·9°C		...	on 30th

Number of Days Overcast, 7, Clear 6, of Rain 17 of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air, 22·18C. Average 22·91C Mean Night Temperature of Air, 18·23C. Average 18·63.C.

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

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

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

SEPTEMBER 1927.

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	0126	0121	0140	0140	0150	0172	0181	0164	0150	0142	0133	0123	0127	0152	0151	0131	Midnight
1h	0122	0121	0140	0139	0149	0171	0178	0160	0149	0139	0130	0120	0124	0151	0148	0128	1h
2	0119	0120	0138	0136	0146	0170	0172	0154	0143	0133	0127	0119	0121	0149	0143	0126	2
3	0120	0116	0132	0133	0147	0168	0168	0150	0140	0130	0121	0114	0119	0142	0138	0122	3
4	0113	0113	0131	0133	0147	0164	0166	0150	0135	0129	0120	0112	0119	0143	0132	0120	4
5	0111	0113	0130	0133	0148	0167	0167	0150	0137	0130	0121	0112	0120	0150	0132	0121	5
6	0113	0117	0132	0139	0150	0171	0170	0152	0140	0132	0123	0117	0126	0150	0132	0126	6
7	0117	0121	0135	0148	0155	0178	0176	0157	0149	0138	0128	0120	0132	0158	0139	0131	7
8	0121	0127	0138	0151	0160	0182	0179	0160	0150	0141	0133	0124	0138	0161	0143	0133	8
9	0122	0132	0141	0151	0163	0186	0179	0162	0150	0147	0132	0128	0141	0161	0149	0138	9
10	0122	0131	0141	0150	0163	0184	0180	0160	0150	0142	0131	0129	0139	0160	0149	0138	10
11	0119	0128	0139	0147	0160	0180	0171	0153	0141	0140	0130	0123	0133	0154	0142	0131	11
Noon	0110	0122	0130	0138	0151	0174	0174	0148	0133	0132	0127	0119	0130	0148	0136	0120	Noon
13h	0104	0118	0127	0130	0148	0171	0156	0140	0128	0127	0120	0111	0127	0143	0129	0112	13h
14	0100	0113	0122	0127	0143	0169	0153	0131	0121	0121	0115	0105	0121	0140	0121	0110	14
15	0100	0110	0020	0122	0140	0167	0150	0128	0120	0118	0111	0102	0120	0135	0119	0108	15
16	0100	0110	0122	0126	0147	0167	0150	0128	0120	0119	0109	0103	0120	0132	0114	0107	16
17	0103	0116	0126	0129	0150	0171	0151	0130	0125	0122	0109	0107	0125	0132	0118	0111	17
18	0109	0121	0129	0132	0158	0177	0157	0136	0129	0127	0111	0111	0131	0140	0120	0119	18
19	0115	0128	0134	0141	0162	0180	0160	0141	0132	0130	0120	0114	0141	0142	0127	0121	19
20	0119	0135	0139	0149	0170	0185	0165	0148	0140	0135	0123	0120	0147	0152	0131	0129	20
21	0120	0140	0141	0150	0173	0186	0169	0150	0141	0140	0124	0125	0153	0157	0139	0133	21
22	0121	0141	0141	0150	0176	0185	0169	0150	0142	0140	0124	0125	0153	0156	0133	0135	22
23	0122	0140	0140	0150	0173	0185	0168	0150	0142	0138	0125	0126	0153	0153	0132	0134	23

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

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day \ Hour
Midnight	0137	0122	0107	0111	0127	0125	0116	0131	0160	0176	0170	0150	0129	0131	...	1014·0	Midnight
1h	0129	0119	0101	0109	0120	0120	0112	0123	0157	0170	0165	0143	0129	0130	...	1013·6	1h
2	0122	0113	0100	0106	0118	0113	0109	0122	0153	0169	0160	0138	0123	0126	...	1013·3	2
3	0120	0109	0100	0103	0117	0109	0104	0119	0149	0164	0152	0132	0120	0122	...	1012·9	3
4	0116	0103	0100	0103	0115	0108	0105	0118	0147	0161	0150	0131	0117	0121	...	1012·7	4
5	0117	0106	0100	0107	0118	0110	0109	0120	0151	0167	0150	0131	0116	0122	...	1012·9	5
6	0121	0110	0108	0111	0120	0112	0112	0129	0155	0170	0152	0137	0119	0127	...	1013·3	6
7	0127	0117	0111	0118	0123	0119	0120	0138	0162	0174	0157	0137	0121	0131	...	1013·8	7
8	0127	0120	0114	0120	0128	0123	0126	0141	0169	0179	0161	0140	0131	0139	...	1014·2	8
9	0129	0120	0114	0120	0130	0126	0127	0148	0170	0180	0161	0140	0130	0139	...	1014·4	9
10	0125	0120	0111	0117	0130	0123	0127	0150	0169	0179	0160	0137	0124	0136	...	1014·2	10
11	0119	0120	0109	0113	0121	0121	0121	0148	0162	0173	0155	0131	0117	0130	...	1013·8	11
Noon	0111	0110	0100	0109	0115	0116	0117	0140	0161	0163	0150	0120	0113	0121	...	1013·1	Noon
13h	0103	0101	0095	0100	0109	0110	0112	0138	0154	0158	0142	0112	0110	0113	...	1012·5	13h
14	0100	0097	0090	0093	0103	0108	0110	0131	0150	0152	0139	0110	0103	0110	...	1012·0	14
15	0097	0093	0085	0088	0100	0100	0107	0129	0149	0150	0132	0102	0101	0109	...	1011·7	15
16	0099	0093	0090	0091	0100	0099	0109	0130	0149	0150	0132	0103	0102	0107	...	1011·8	16
17	0100	0100	0098	0096	0103	0100	0109	0131	0150	0152	0131	0107	0108	0109	...	1012·1	17
18	0110	0101	0101	0103	0111	0102	0119	0139	0157	0155	0138	0111	0110	0113	...	1012·6	18
19	0115	0105	0108	0113	0117	0111	0127	0149	0161	0161	0141	0119	0119	0120	...	1013·2	19
20	0120	0111	0114	0121	0120	0118	0132	0154	0171	0169	0150	0123	0123	0127	...	1013·8	20
21	0124	0115	0119	0130	0126	0120	0137	0160	0173	0173	0151	0130	0132	0131	...	1014·2	21
22	0124	0113	0117	0130	0128	0120	0136	0161	0172	0171	0151	0130	0132	0131	...	1014·3	22
23	0125	0112	0114	0130	0127	0119	0135	0162	0175	0171	0151	0130	0132	0131	...	1014·1	23

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

Hour. \ Day.	SEPTEMBER 1927.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Mean.
Midnight	10	5	1	9	0	10	9	9	1	1	1	1	0	1	8	6	9	8	0	2	0	1	0	1	0	9	5	5	0	0	...	3·7
1h	10	7	1	10	0	10	8	9	1	2	1	1	0	1	9	6	7	8	0	1	0	1	0	1	0	9	7	8	0	0	...	3·9
2	10	4	1	10	0	10	5	8	1	2	1	1	0	1	9	5	8	9	0	0	1	2	0	1	0	9	9	9	0	0	...	3·9
3	10	2	1	10	0	10	2	7	1	2	1	1	0	1	5	4	7	9	0	0	1	2	0	1	1	10	10	9	0	0	...	3·6
4	10	1	1	8	0	10	3	8	2	2	1	1	1	1	6	3	6	8	0	0	1	3	0	1	1	10	9	9	0	0	...	3·5
5	10	2	3	6	1	10	3	9	3	3	1	1	2	1	8	4	6	8	0	0	2	6	0	2	1	10	6	9	0	0	...	3·9
6	10	3	9	4	2	10	4	9	6	4	1	1	4	3	10	6	5	9	0	0	4	9	0	2	2	10	4	9	0	0	...	4·7
7	10	4	9	4	3	10	10	9	9	5	1	0	4	4	9	6	6	9	1	0	4	9	1	3	2	10	8	10	0	1	...	5·4
8	10	6	9	2	5	10	9	8	9	6	2	2	5	4	8	9	7	9	3	1	5	9	2	4	2	10	6	9	0	1	...	5·7
9	10	7	8	2	8	10	9	7	10	9	3	3	6	5	8	10	8	10	4	1	5	9	7	8	0	10	1	9	0	2	...	6·3
10	10	7	8	3	7	10	9	7	9	8	5	5	6	8	8	5	8	10	4	6	8	9	8	7	0	8	2	9	1	4	...	6·6
11	8	7	8	5	7	10	9	5	6	9	10	5	8	8	8	5	8	10	6	6	8	9	8	4	1	7	4	8	1	3	...	6·7
Noon	6	3	8	5	6	10	8	6	4	10	10	5	9	8	6	4	9	10	4	4	8	10	3	2	1	9	9	6	2	2	...	6·2
13h	6	7	7	6	6	10	6	6	4	10	10	5	7	8	6	7	8	10	6	5	6	10	5	1	2	7	10	5	4	1	...	6·4
14	8	5	7	7	4	10	10	6	4	6	10	5	7	7	6	7	9	9	7	5	6	10	6	1	2	6	10	7	5	1	...	6·4
15	9	9	6	8	4	10	8	8	5	5	10	4	8	6	6	8	8	9	8	2	5	10	8	0	7	4	9	8	6	1	...	6·6
16	8	8	7	6	4	9	9	8	7	4	8	6	6	7	6	7	8	8	6	2	5	10	7	1	8	4	8	6	8	1	...	6·4
17	6	9	8	6	3	8	7	8	6	3	6	7	5	8	5	6	8	4	4	2	4	10	7	2	9	5	5	5	9	2	...	5·9
18	5	9	8	5	3	8	4	9	5	2	4	8	3	5	4	5	6	2	2	3	3	10	8	2	9	4	3	4	8	2	...	5·1
19	4	9	7	4	4	8	6	6	3	2	3	4	2	3	5	4	7	1	1	2	3	10	6	1	9	3	2	2	4	1	...	4·2
20	2	9	6	2	5	8	9	4	2	1	3	1	1	2	7	7	8	1	0	1	2	9	4	1	9	3	1	1	2	0	...	3·7
21	1	9	5	0	6	8	8	3	2	1	2	0	1	1	9	8	9	0	1	1	2	9	3	1	10	3	1	0	0	0	...	3·5
22	1	5	4	0	7	7	8	1	1	1	1	0	1	2	8	8	7	0	0	0	2	5	1	2	10	4	1	0	0	0	...	2·9
23	2	1	6	0	9	9	9	1	1	1	1	0	1	6	6	9	8	0	0	0	2	1	1	2	10	6	3	0	0	0	...	3·2

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

Hour* Ending \ Day.	SEPTEMBER 1927.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	0·0
7	0	20	0	31	0	0	0	6	0	2	40	35	35	8	4	10	29	0	45	45	30	0	45	27	30	0	7	5	54	45	...	9·2
8	1	60	20	60	14	0	18	49	0	30	60	51	60	40	10	42	58	0	60	60	32	0	60	60	60	5	33	19	60	60	...	18·0
9	0	60	46	60	22	0	52	58	20	56	60	58	60	47	55	42	47	2	60	60	42	34	60	54	60	8	37	50	60	60	...	22·2
10	19	55	40	60	52	1	40	34	42	57	60	60	60	40	60	45	30	22	60	60	34	37	55	54	60	45	46	10	60	60	...	22·6
11	35	58	55	60	60	5	40	60	60	50	53	60	60	60	59	49	50	0	60	43	42	44	48	60	60	51	60	45	60	60	..	25·1
Noon	47	59	60	60	60	2	50	60	60	18	1	60	50	60	56	58	33	4	60	60	44	4	60	60	60	53	43	50	60	60	...	23·2
13h	59	52	60	40	60	12	54	60	60	33	10	60	55	40	55	60	22	0	60	60	60	0	60	60	60	51	32	55	60	60	...	23·8
14	50	60	60	59	60	3	25	60	60	33	14	60	30	55	58	55	31	1	60	60	60	0	60	60	60	50	9	24	60	60	...	22·3
15	50	25	60	53	60	17	35	48	60	9	13	60	50	58	56	60	55	1	28	60	60	0	54	60	55	53	1	11	60	60	...	21·2
16	0	50	60	13	55	2	52	55	58	60	11	58	58	60	58	60	18	0	22	60	60	0	60	60	56	60	15	18	57	60	...	20·9
17	6	20	20	10	55	0	49	50	53	60	49	50	60	60	45	53	48	0	15	60	60	0	16	60	33	37	55	0	48	60	...	18·9
18	3	0	0	30	26	4	20	14	7	35	25	17	35	8	10	16	30	40	33	45	19	0	10	40	16	15	34	0	12	55	...	10·0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	0·0

The total amount of registered sunshine was 237·4 hours and the total possible sunshine 357·8 hours.

* Reckoned from apparent midnight.

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

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

SEPTEMBER 1927

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	20·0	2·0	19·6	1·4	19·2	1·2	17·6	1·6	17·0	1·7	18·0	2·3	17·6	1·7	17·8	1·0	Midnight
1h	19·9	1·9	19·8	0·9	19·0	1·4	17·6	1·5	16·3	1·3	17·1	2·4	17·4	1·8	17·7	0·8	1h
2	19·8	1·7	19·9	1·4	18·6	1·4	17·9	1·3	15·2	0·6	17·0	2·3	17·2	1·3	17·6	1·1	2
3	20·1	1·7	20·0	1·2	18·1	1·1	18·2	1·3	14·7	0·5	17·3	2·3	16·9	1·4	17·4	0·6	3
4	19·6	1·2	19·8	1·1	18·0	1·0	18·3	1·3	14·3	0·2	17·2	2·6	16·7	1·1	17·4	0·7	4
5	19·5	1·2	19·7	0·9	17·6	1·1	18·1	1·2	14·3	0·3	17·9	3·6	16·8	1·7	17·5	0·8	5
6	19·5	1·2	20·0	1·2	18·0	1·1	17·0	1·0	14·8	0·8	17·8	2·9	17·0	1·4	17·7	1·4	6
7	20·1	1·4	20·4	1·4	19·7	1·5	17·3	1·3	16·1	1·4	18·2	3·5	17·3	1·1	18·6	1·9	7
8	21·2	1·9	22·0	2·1	22·0	2·3	19·9	2·0	20·0	2·3	19·5	4·6	17·8	0·9	20·7	2·8	8
9	21·8	2·1	23·0	2·7	23·0	3·1	22·1	3·2	21·3	3·3	20·9	5·9	20·3	2·6	21·0	3·0	9
10	22·7	2·8	23·3	3·1	23·6	3·9	23·4	4·1	22·2	4·2	21·2	6·2	19·3	1·3	21·6	3·6	10
11	23·9	4·0	23·9	3·6	23·3	4·3	25·0	4·5	24·1	5·4	21·7	5·8	20·4	2·8	22·0	4·1	11
Noon	24·3	4·5	24·9	3·9	24·3	5·2	24·0	4·1	24·2	5·8	22·0	6·0	21·3	3·6	22·7	4·8	Noon
13h	24·4	4·7	25·0	4·0	24·5	5·8	24·7	4·7	24·0	5·4	21·3	5·0	21·6	4·4	22·9	4·9	13h
14	24·3	4·2	25·7	4·7	24·3	5·4	24·1	4·2	23·8	5·3	21·7	5·8	21·8	4·1	22·6	4·9	14
15	24·1	4·1	24·9	4·4	24·2	5·6	24·5	3·9	23·6	5·9	21·9	5·4	21·7	3·8	22·7	4·7	15
16	23·0	3·5	24·4	3·7	23·7	5·3	22·0	2·3	22·3	5·3	21·7	5·9	20·8	3·7	22·0	3·9	16
17	22·5	3·1	23·1	3·1	22·5	4·8	22·0	2·3	21·9	4·9	19·0	2·1	20·1	3·3	21·7	3·8	17
18	21·4	2·3	22·4	2·6	21·7	3·9	21·3	2·2	20·2	3·9	18·3	2·2	19·3	2·7	21·0	3·4	18
19	20·8	1·8	21·9	2·2	20·9	3·0	20·0	2·1	19·4	3·3	18·2	2·3	18·4	2·4	21·0	3·4	19
20	20·9	1·8	21·5	2·1	19·6	2·5	19·7	2·5	18·4	2·8	18·1	2·4	18·2	1·8	19·4	1·8	20
21	20·8	1·6	21·0	1·7	19·0	2·2	19·1	2·2	18·5	2·7	18·0	2·0	18·0	1·2	19·2	2·1	21
22	20·0	1·3	20·7	1·7	18·5	1·8	18·0	1·8	17·4	2·4	18·3	2·3	18·0	1·9	18·6	1·5	22
23	20·3	1·4	20·0	1·3	18·3	1·8	18·7	2·9	17·2	2·3	18·0	2·1	18·0	1·3	17·8	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	17·1	0·8	19·0	1·9	18·9	2·3	18·3	1·2	16·9	1·2	18·3	1·4	19·4	1·8	19·4	2·4	Midnight
1h	16·4	0·9	18·7	2·4	18·7	2·1	18·5	1·8	16·8	1·1	18·4	1·5	19·3	1·6	19·4	2·3	1h
2	16·1	1·1	18·7	2·0	18·3	1·9	17·4	0·8	16·4	0·7	18·6	2·1	19·1	1·3	19·3	2·2	2
3	16·1	1·2	18·4	1·5	18·2	1·6	16·7	0·9	15·9	0·6	18·8	1·9	18·7	2·0	19·3	2·3	3
4	16·1	0·6	18·5	1·6	18·2	1·5	16·2	0·9	15·3	1·0	19·0	1·9	18·7	1·9	19·2	2·4	4
5	16·6	1·6	18·6	1·9	17·6	1·3	15·9	0·8	15·1	0·7	18·5	1·8	18·7	1·0	19·1	2·3	5
6	17·2	2·5	18·8	2·4	17·1	1·1	16·5	1·4	15·0	0·5	17·9	1·2	18·7	1·4	18·7	1·8	6
7	17·7	1·2	19·0	1·9	19·4	1·6	18·1	2·1	16·0	0·7	18·2	1·1	18·5	0·8	19·1	2·1	7
8	18·3	1·4	19·5	1·4	22·1	3·1	20·8	2·2	20·0	1·3	20·0	1·9	19·0	1·0	20·0	1·9	8
9	19·4	1·4	21·9	3·2	23·0	4·0	23·0	4·1	22·9	3·9	21·9	3·6	21·1	1·9	20·0	1·7	9
10	22·1	3·2	22·5	4·3	23·9	4·9	23·7	5·0	23·4	4·6	22·0	3·0	22·3	3·4	21·0	2·4	10
11	23·6	5·3	23·0	4·2	23·7	4·4	24·8	5·5	23·8	5·8	22·8	4·5	23·0	4·5	21·5	3·3	11
Noon	23·6	5·4	23·1	3·9	22·3	3·0	24·7	5·5	24·2	4·3	24·0	5·6	23·2	4·5	23·9	5·1	Noon
13h	24·0	5·3	23·1	4·1	22·9	3·3	24·9	5·6	24·1	4·3	23·7	5·3	23·4	4·4	23·9	4·5	13h
14	24·0	5·5	23·3	4·3	23·7	4·6	24·7	5·7	23·8	3·9	23·7	5·2	23·7	5·0	24·2	4·6	14
15	23·4	4·6	23·2	5·1	23·6	4·6	24·8	5·4	24·3	4·3	23·0	4·3	22·5	4·0	23·5	4·2	15
16	23·0	4·7	22·9	4·9	23·1	4·1	24·0	5·1	24·2	6·3	22·9	4·8	22·2	3·9	23·6	4·6	16
17	21·8	4·3	21·8	4·0	22·7	3·9	23·2	4·5	23·1	5·6	22·0	4·0	21·3	3·2	22·6	3·6	17
18	20·6	3·4	20·7	3·6	21·4	3·0	22·2	3·5	21·3	3·9	20·9	3·0	20·7	2·7	21·5	2·9	18
19	19·9	2·3	20·0	2·7	20·3	1·9	21·2	3·0	20·0	2·7	20·5	2·6	19·5	1·7	20·6	2·3	19
20	19·6	2·6	19·7	2·7	19·7	1·7	19·9	2·5	19·2	2·2	20·8	2·9	19·2	1·9	20·0	1·7	20
21	19·6	2·2	19·6	2·9	18·8	0·8	18·8	1·8	19·1	2.1	19·9	2·0	18·7	1·3	19·4	1·9	21
22	19·3	2·1	19·2	2·6	19·0	1·2	17·6	1·6	18·7	2.0	19·9	2·5	18·5	0·8	19·3	1·3	22
23	19·1	1·9	19·0	2·4	19·0	1·5	17·0	1·3	18·5	1·8	19·7	2·5	18·6	1·5	19·2	1·2	23

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

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

SEPTEMBER 1927

Day / Hour	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day / Hour
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	18·1	0·2	19·5	1·4	18·2	1·7	15·4	0·7	18·3	1·7	20·2	1·7	18·4	1·0	18·0	2·2	Midnight
1h	18·0	0·7	19·3	1·7	18·0	1·7	16·0	1·1	18·2	1·9	20·0	1·6	18·1	1·1	17·9	2·5	1h
2	18·8	0·9	19·2	1·6	17·8	1·0	15·3	1·0	18·3	1·8	19·3	1·2	18·0	1·3	17·7	2·3	2
3	18·9	0·8	18·9	1·1	16·9	1·2	15·4	1·2	18·2	1·8	19·2	1·2	18·7	1·7	17·6	2·3	3
4	18·6	1·3	18·8	1·4	15·4	0·9	15·1	1·0	17·2	1·4	19·1	1·1	18·1	1·2	17·2	2·0	4
5	18·5	1·3	18·7	1·0	15·1	0·7	15·0	1·0	16·6	1·3	19·7	1·3	17·7	1·4	17·6	2·4	5
6	18·3	1·1	19·3	1·3	14·8	1·0	15·0	0·9	17·8	1·7	19·8	1·3	17·0	0·9	17·1	2·4	6
7	18·3	0·4	19·9	1·6	19·2	1·8	16·0	1·5	19·2	2·0	20·0	1·9	18·9	1·6	18·0	2·8	7
8	19·3	0·3	21·2	2·3	21·8	3·5	19·7	2·7	20·9	2·9	21·5	1·8	21·0	2·5	20·7	4·5	8
9	22·7	3·6	22·0	3·1	22·3	4·6	22·3	4·6	22·0	3·9	22·3	2·6	23·1	4·1	20·5	5·0	9
10	22·8	3·7	23·7	4·7	24·0	6·0	23·3	5·7	22·4	4·1	23·8	3·9	23·9	5·1	20·3	5·0	10
11	22·9	3·9	23·0	4·0	24·5	6·0	23·2	5·7	23·2	4·7	24·0	4·4	23·8	5·1	21·7	5·9	11
Noon	23·1	3·4	22·8	4·0	25·0	6·1	24·7	7·4	23·8	4·8	23·1	3·3	24·0	5·0	22·0	6·1	Noon
13	20·4	1·0	23·1	3·9	24·8	5·8	25·0	7·6	24·2	5·2	23·1	3·8	24·3	6·0	22·0	6·2	13h
14	22.2	3·7	23·3	4·2	24·7	5·9	24·8	7.7	24·1	5·1	19·1	0·3	24·0	6·3	22·3	6·2	14
15	22·7	3·8	23·1	4·5	23·9	4·9	24·2	7.2	24·1	5·0	19·6	0·6	23·0	5·0	21·9	6·4	15
16	22·1	3·2	22·4	4·4	22·9	4·5	23·2	6·3	22·7	3·7	20·3	1·3	22·1	4·8	21·1	5·1	16
17	22.1	3·2	22·0	4·0	22·4	4·1	22·0	5.8	22·1	3·5	20·7	1·8	20·1	3·6	20·7	5·0	17
18	21·3	3·0	21·0	2·8	21·1	3·2	20·6	4·5	20·5	2·5	21·3	1·8	18·6	2·2	19·7	4·5	18
19	20·5	2·6	19·3	1·6	19·7	2·7	19·3	3·3	20·0	2·0	20·3	1·2	18·5	2·4	18·7	4·1	19
20	20·0	2·1	18·7	1·6	18·2	1·6	18·0	2·6	20·0	2·1	20·0	1·1	18·3	2·4	18·2	3·8	20
21	19·9	1·5	19·0	1·9	17·9	2·1	17·3	2·3	20·0	2·0	19·3	1·3	18·3	2·3	17·7	3·5	21
22	19·8	1·8	18·3	1·4	17·1	1.7	17·8	2·1	20·1	1·8	19·0	1·7	18·4	2·6	17·5	3·3	22
23	19·7	1·7	18·3	2·0	16·2	1·2	18·2	2·2	20·1	1·9	19·1	1·8	18·2	1·7	17·3	3·4	23

Day / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		...		Mean		Day / Hour
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	17·4	3·2	19·7	3·7	19·3	2·9	17·6	1·4	15·0	0·8	16·5	1·4	...	...	18·2	1·7	Midnight
1h	17·4	3·3	19·8	4·6	19·0	2·9	17·4	1·2	15·0	0·8	15·3	0·9	...	...	18·0	1·7	1h
2	17·3	3·1	19·7	4·2	19·1	2·8	16·7	1·3	14·5	0·8	15·0	0·8	...	...	17·8	1·6	2
3	16·9	2·7	19·5	4·2	19·3	2·9	16·8	1·3	14·5	1·0	15·7	1·8	...	...	17·7	1·5	3
4	16·9	3·0	19·3	3·2	19·0	2·8	17·0	1·4	14·0	0·8	15·2	1·7	...	...	17·4	1·4	4
5	16·4	2·5	19·3	4·0	19·0	3·4	17·2	1·1	13·7	0·7	15·0	1·6	...	...	17·4	1·6	5
6	16·3	2·8	19·7	4·6	19·0	4·1	17·7	1·2	14·7	0·8	13·7	0·5	...	...	17·4	1·6	6
7	18·7	3·8	19·7	3·6	19·9	3·8	18·1	1·6	17·4	1·7	16·8	1·6	...	...	18·5	1·8	7
8	20·8	5·0	20·7	4·8	20·0	3·0	19·9	2·9	21·0	3·1	20·8	2·9	...	...	20·4	2·5	8
9	22·3	6·4	21·8	4·7	22·7	4·3	22·7	4·7	23·0	2·6	22·9	5·0	...	...	22·0	3·8	9
10	23·0	6·5	22·9	5·8	23·0	5·8	23·7	5·9	24·1	6·8	23·6	5·6	...	...	22·7	4·4	10
11	22·9	6·5	23·1	6·3	24·0	7·2	24·2	6·5	25·0	7·5	24·1	5·9	...	...	23·3	5·0	11
Noon	23·3	6·9	23·0	5·4	23·5	6·3	24·2	6·0	24·4	5·5	25·2	6·3	...	...	23.6	5·0	Noon
13h	23·0	6·8	23·7	6·8	22·7	5·1	24·1	6·7	24·6	5·8	25·5	7·0	...	...	23·6	5·1	13h
14	23·0	6·8	23·0	5·4	21·0	3·6	23·1	5·9	25·0	6·2	25·9	6·8	...	...	23·5	5·1	14
15	22·2	6·0	23·0	4·8	21·7	4·5	23·3	5·7	24·3	5·5	25·9	6·6	...	...	23·3	4·8	15
16	22·1	5·8	23·0	5·7	22·1	4·9	22·4	4·6	23·6	4·6	23·9	5·4	...	...	22·7	4·6	16
17	20·9	5·4	21·7	4·3	21·0	4·1	21·8	4·4	23·0	4·1	22·7	4·4	...	...	21·8	3·9	17
18	20·1	3.8	20·3	3·1	19·7	3·1	20·3	3·3	22·2	3·5	21·9	3·5	...	...	20·8	3·2	18
19	19·8	4·3	20·1	2·9	18·4	2·5	18·8	2·4	20·7	3·2	19·5	2·1	...	...	19·9	2·6	19
20	19·7	4·9	20·0	2·8	17·7	2·2	18·1	2·0	19.3	2·6	18·1	1·9	...	...	19·3	2·3	20
21	19·8	4·7	19·7	2·6	17·3	2·1	17·2	1·9	18·9	2·5	17·1	1·8	...	...	18·9	2·1	21
22	19·7	4·5	19·0	2·9	16·9	1·7	16·0	1·5	18·0	1·9	15·9	1·6	...	...	18·5	2·0	22
23	19·7	4·2	19·3	2·7	17·0	1·8	15·8	1·3	17·4	1·7	15·3	1·1	...	...	18·3	1·9	23

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

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

SEPTEMBER 1927.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	896	921	900	926	899	907	894	915	893	900	892	910	880	930	900	938	Midnight
1h	889	927	900	923	898	909	896	910	889	900	891	913	887	934	917	942	1h
2	892	920	900	918	897	914	894	913	894	900	890	915	881	928	893	932	2
3	892	919	900	921	895	912	896	910	892	900	892	911	887	933	890	923	3
4	892	920	900	921	894	915	894	915	892	906	890	910	889	928	894	931	4
5	891	921	900	927	895	912	896	910	894	906	894	916	884	924	884	939	5
6	889	928	900	923	895	911	894	913	885	906	888	912	887	933	895	925	6
7	889	929	900	921	896	910	895	911	887	906	889	911	883	941	892	919	7
8	892	940	900	925	891	921	898	906	868	922	878	922	890	948	893	936	8
9	892	940	905	925	900	932	897	906	868	932	885	937	900	963	923	956	9
10	890	947	911	927	907	933	900	913	871	943	881	946	900	972	900	963	10
11	900	960	913	933	883	941	918	873	868	947	883	942	900	969	914	968	11
Noon	890	951	911	928	891	944	894	873	880	948	889	952	900	972	900	965	Noon
13h	900	950	914	922	892	940	877	866	877	956	879	952	886	973	900	966	13h
14	924	936	922	922	900	932	885	862	877	955	889	954	900	971	900	978	14
15	891	943	922	922	900	943	883	857	875	961	890	951	900	967	900	969	15
16	900	938	910	915	891	943	913	919	882	945	882	944	900	961	900	961	16
17	900	941	908	920	893	934	916	900	878	952	874	939	889	954	890	950	17
18	894	930	907	916	890	924	908	900	886	934	879	932	884	939	892	939	18
19	896	921	907	917	894	915	879	914	887	920	888	931	890	924	889	929	19
20	893	932	902	911	896	910	890	904	887	920	879	931	886	934	892	920	20
21	900	935	900	916	896	910	875	910	887	919	885	937	885	937	892	919	21
22	900	921	899	907	896	909	885	907	889	917	884	939	889	928	893	916	22
23	900	929	898	909	896	910	867	907	892	910	887	932	900	938	893	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	894	915	880	949	877	923	893	916	893	917	889	911	878	932	872	941	Midnight
1h	893	915	885	924	885	915	896	910	892	918	889	911	878	933	871	944	1h
2	893	917	883	926	885	915	895	911	893	916	887	913	885	924	874	939	2
3	893	916	879	921	885	915	893	916	892	918	879	921	881	928	882	927	3
4	893	916	871	929	886	914	893	916	892	919	880	920	876	936	876	936	4
5	894	914	872	928	889	911	893	916	891	913	889	916	885	937	884	924	5
6	892	919	878	922	891	909	894	913	890	914	889	917	884	939	874	926	6
7	904	921	885	923	892	908	893	915	894	906	887	920	879	951	878	933	7
8	888	919	882	944	888	930	900	915	890	910	876	936	879	952	880	949	8
9	908	920	876	957	900	944	914	921	888	918	868	947	879	950	883	941	9
10	877	935	882	945	900	940	914	921	896	921	868	948	886	968	881	947	10
11	891	945	872	967	909	944	921	931	880	920	878	954	886	973	877	955	11
Noon	872	941	882	943	907	933	913	920	895	875	873	965	872	967	888	959	Noon
13h	889	954	874	963	900	933	915	924	900	965	874	963	870	972	887	965	13h
14	879	951	875	959	909	945	911	926	905	878	874	963	873	965	888	961	14
15	876	958	874	962	900	943	919	929	878	895	871	970	869	974	886	968	15
16	874	963	881	947	891	942	909	922	888	930	878	954	887	965	882	944	16
17	881	947	881	947	900	952	908	920	877	923	875	960	878	954	883	941	17
18	886	934	872	928	889	928	900	921	884	916	876	958	879	950	884	940	18
19	877	934	868	932	896	920	900	920	890	910	883	941	882	943	879	932	19
20	881	928	876	924	894	914	900	907	889	911	872	941	882	943	887	920	20
21	875	937	866	934	889	928	900	911	884	916	879	931	870	945	878	933	21
22	883	926	873	927	893	916	900	918	885	915	880	930	883	941	882	927	22
23	881	929	875	925	891	922	892	920	887	913	879	932	883	942	880	930	23

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

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

SEPTEMBER 1927.

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	883	941	885	924	890	910	894	904	889	911	889	911	885	907	859	941	Midnight
1h	881	928	887	932	887	913	895	903	882	918	882	927	890	902	862	938	1h
2	876	924	888	919	883	897	895	903	878	922	890	925	883	903	864	936	2
3	900	918	885	923	888	898	895	903	888	912	890	924	883	903	873	927	3
4	885	923	889	916	893	897	893	904	888	912	894	914	888	902	867	933	4
5	883	925	885	915	894	897	895	903	900	911	89[illegible]	924	880	904	857	943	5
6	880	920	889	926	894	897	894	904	895	925	892	920	886	903	871	929	6
7	885	915	890	923	862	915	895	903	884	924	916	911	889	902	882	918	7
8	881	929	887	934	873	911	884	911	886	926	913	913	874	905	848	952	8
9	900	944	886	936	865	914	885	915	883	943	900	923	860	916	860	940	9
10	890	948	891	942	861	916	878	922	879	950	909	921	857	917	859	962	10
11	900	951	878	933	861	926	869	931	874	963	887	934	852	920	856	967	11
Noon	900	953	886	934	875	925	862	925	878	953	885	938	841	925	843	957	Noon
13h	900	950	883	941	900	941	848	922	873	966	890	923	852	932	843	957	13h
14	900	958	883	941	878	932	848	935	872	967	879	869	828	948	845	955	14
15	900	961	885	938	884	940	843	938	870	972	874	883	848	952	856	966	15
16	900	959	884	939	888	931	866	923	874	962	879	886	862	938	871	969	16
17	900	949	889	929	874	911	869	931	879	952	896	896	847	953	876	958	17
18	900	938	887	934	880	920	883	926	874	940	896	896	843	957	873	941	18
19	900	941	888	930	890	910	893	907	878	932	893	893	852	948	870	945	19
20	891	921	890	914	892	908	893	907	878	922	895	895	871	929	881	929	20
21	885	938	885	915	885	910	892	908	878	932	887	913	868	948	892	938	21
22	888	931	887	913	891	907	886	914	885	923	887	913	863	937	886	934	22
23	889	929	888	912	895	903	883	917	884	924	887	913	868	932	887	934	23

Day. / Hour	25d.		26d.		27d.		28d.		29d.		30d.		...		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	...	...	N.	E.	
Midnight	888	931	882	943	886	934	888	918	887	913	882	912	...	...	887	922	Midnight
1h	873	927	900	955	879	932	891	909	886	914	881	912	...	...	888	921	1h
2	878	922	882	943	887	934	889	911	891	909	877	915	...	...	886	919	2
3	882	947	882	945	888	931	891	909	893	907	879	914	...	...	888	918	3
4	879	932	889	928	884	940	889	911	887	913	881	913	...	...	887	919	4
5	891	922	889	952	888	931	911	917	887	913	886	910	...	...	889	919	5
6	889	927	887	932	900	942	910	915	889	911	880	913	...	...	889	919	6
7	882	927	882	944	893	933	893	909	892	908	889	908	...	...	889	919	7
8	876	957	881	946	881	947	889	917	887	913	889	916	...	...	885	928	8
9	872	967	900	946	900	947	884	939	893	910	890	925	...	...	889	935	9
10	868	978	900	970	900	968	886	935	900	913	896	921	...	...	888	941	10
11	865	985	887	963	900	974	900	940	918	882	900	925	...	...	888	944	11
Noon	871	969	874	964	890	947	900	938	918	873	918	927	...	...	887	939	Noon
13h	868	977	872	967	900	972	900	940	893	865	920	913	...	...	886	944	13
14	869	974	875	960	911	952	894	930	913	868	916	916	...	...	887	939	13
15	867	979	871	971	879	950	887	934	887	866	922	878	...	...	884	941	14
16	869	974	877	956	890	949	890	925	900	873	906	873	...	...	887	938	15
17	870	972	875	959	881	947	889	928	890	886	909	878	...	...	886	939	16
18	871	943	882	945	887	933	894	915	893	890	903	892	...	...	886	928	17
19	867	950	870	946	887	919	894	915	893	915	902	894	...	...	886	925	18
20	871	944	883	926	892	911	893	916	888	919	904	890	...	...	888	919	19
21	885	937	879	932	892	911	895	922	882	918	906	887	...	...	886	924	20
22	880	949	882	927	892	911	887	913	884	911	908	880	...	...	887	920	21
23	879	952	873	927	892	910	887	913	882	912	876	900	...	...	886	921	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during SEPTEMBER 1927.

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

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	25	2·1	24	2·6	25	0·7	26	1·6	32	0·7	27	1·3	27	3·6	24	3·8	26	1·6	26	5·3	28	3·3	26	1·8	26	1·9	28	1·6	27	3·9	27	5·0
1h	26	2·9	24	2·3	25	0·9	26	1·1	32	1·1	27	1·6	26	3·6	22	4·5	26	1·7	27	2·8	28	2·1	26	1·1	26	2·0	28	1·6	27	4·0	27	5·3
2	26	2·2	24	1·8	25	1·4	26	1·4	32	0·6	27	1·8	27	3·4	25	3·3	26	1·9	27	3·1	28	2·2	26	1·2	26	1·8	28	1·8	27	2·8	27	4·7
3	26	2·1	24	2·1	26	1·3	26	1·1	32	0·8	27	1·4	26	3·5	26	2·5	26	1·8	28	3·0	28	2·1	26	1·8	26	2·0	28	3·0	27	3·4	27	3·2
4	26	2·2	24	2·1	26	1·6	26	1·6	29	1·0	28	1·4	26	3·0	25	3·2	26	1·8	28	4·1	28	2·0	26	1·8	26	2·1	28	2·9	27	4·4	27	4·3
5	26	2·3	24	2·7	26	1·3	26	1·1	28	0·9	28	2·3	27	2·9	26	4·2	26	1·5	28	4·0	28	1·6	36	1·8	27	1·6	27	1·9	26	4·0	27	2·9
6	26	3·0	24	2·3	26	1·2	26	1·4	30	1·6	28	1·7	26	3·5	25	2·6	26	2·1	28	3·1	28	1·3	26	1·4	27	1·7	27	2·0	26	4·2	28	3·7
7	26	3·1	24	2·1	26	1·1	26	1·2	30	1·4	28	1·6	26	4·4	26	2·1	23	2·2	27	2·7	28	1·2	26	1·7	28	0·9	27	2·4	26	5·5	27	4·0
8	25	4·1	24	2·5	26	2·3	26	0·6	29	3·9	28	3·1	25	4·9	25	3·7	27	2·2	26	4·8	26	3·2	24	1·5	28	1·4	27	4·3	26	5·6	26	5·3
9	25	4·1	23	2·6	24	3·2	26	0·7	28	4·6	26	4·0	24	6·3	22	6·1	22	2·2	26	6·2	24	4·4	21	2·5	27	2·1	27	5·7	26	5·4	26	4·4
10	25	4·8	22	2·9	23	3·4	24	1·3	27	5·2	26	5·0	24	7·2	24	6·3	27	4·2	26	4·9	24	4·0	21	2·5	25	2·2	26	5·8	26	6·9	26	5·1
11	24	6·0	22	3·5	26	4·4	d11	3·2	27	5·7	26	4·5	24	6·9	23	6·9	25	4·6	26	7·3	23	4·5	21	3·7	28	2·8	26	5·9	25	7·4	26	6·0
Noon	25	5·2	22	3·0	25	4·5	7	2·8	26	5·2	25	5·3	24	7·2	24	6·5	27	5·0	26	4·7	23	3·4	21	2·4	d 7	2·6	26	7·0	26	7·2	25	6·0
13h	24	5·0	21	2·6	25	4·1	5	4·1	26	6·1	26	5·6	25	7·4	24	6·6	25	5·5	26	6·8	24	3·3	21	2·8	8	3·5	26	6·8	26	7·8	25	6·6
14	21	4·4	20	3·1	24	3·2	6	4·1	26	6·0	25	5·5	24	7·1	24	7·8	26	5·5	26	6·4	23	4·6	22	2·8	9	2·3	26	6·8	26	7·0	25	6·2
15	25	4·4	20	3·2	24	4·3	6	4·6	26	6·6	25	5·2	24	6·7	24	6·9	26	6·3	26	6·7	24	4·3	21	3·5	1	2·3	26	7·6	26	8·0	25	6·9
16	24	3·8	21	1·8	25	4·4	r21	2·3	26	4·9	26	4·8	24	6·1	24	6·1	26	6·8	26	5·1	25	4·3	22	2·4	r26	3·2	26	5·9	25	6·6	26	4·8
17	24	4·1	22	2·2	25	3·5	r16	1·6	26	5·7	27	4·7	25	5·5	25	5·1	26	5·1	26	5·1	24	5·2	22	2·2	28	3·3	26	6·5	26	5·9	26	4·4
18	25	3·1	22	1·8	26	2·6	16	0·8	26	3·7	27	3·8	26	4·2	25	4·0	26	3·7	28	4·0	26	3·0	24	2·1	28	2·3	26	6·3	26	5·4	26	4·3
19	25	2·1	22	1·9	26	1·6	d29	2·5	27	2·4	26	3·3	26	2·6	26	3·1	27	4·1	28	4·6	25	2·0	24	2·0	28	1·4	26	4·4	26	4·7	27	3·8
20	25	3·3	23	1·1	26	1·1	30	1·1	27	2·4	27	3·7	26	3·7	26	2·2	27	3·4	28	3·4	26	1·5	24	0·7	28	1·5	27	5·0	26	4·7	27	2·4
21	24	3·5	24	1·6	26	1·1	30	2·7	27	2·3	26	4·0	26	4·0	26	2·1	27	4·5	28	4·8	26	3·0	24	1·1	28	2·3	27	3·7	27	5·4	27	4·0
22	24	2·1	25	0·7	26	1·0	30	1·7	27	2·0	26	4·2	26	3·0	26	1·8	27	3·1	28	3·9	26	1·8	24	1·8	28	2·2	27	3·6	26	4·4	27	3·3
23	24	2·9	25	0·9	26	1·1	31	3·4	27	1·3	26	3·4	24	3·8	26	1·8	27	3·5	28	3·5	26	2·4	26	2·2	28	1·9	27	3·8	26	4·5	27	3·6

Hour \ Day	17d.		18d.		19d. *		20d.		21d.		22d. *		23d.		24d.		25d.		26d.		27d.		28d.		29d. *		30d. *		...		Mean
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	...	...	Velocity
Midnight	26	4·4	27	2·8	28	1·4	29	0·7	28	1·0	28	1·5	30	1·7	28	5·8	26	3·3	26	4·7	26	3·7	27	2·1	28	1·8	29	2·1	...	...	2·6
1h	27	3·4	26	3·4	28	1·8	29	0·6	28	2·6	27	3·3	31	1·0	28	5·4	28	3·8	24	5·5	27	3·8	28	1·3	28	2·0	29	2·2	...	...	2·6
2	28	3·4	27	2·2	1	1·7	29	0·6	28	3·2	26	2·7	31	1·7	28	5·1	28	3·2	26	4·7	26	3·6	28	1·5	28	1·3	29	2·7	...	...	2·4
3	24	1·8	27	2·7	1	1·2	29	0·6	28	1·7	26	2·6	31	1·7	28	3·9	27	3·2	26	4·9	26	3·3	28	1·3	28	1·0	29	2·5	...	...	2·3
4	27	2·7	27	1·9	2	0·8	29	0·8	28	1·7	26	1·5	31	1·2	28	4·7	27	3·8	26	3·0	26	4·3	28	1·5	28	1·8	29	2·3	...	...	2·4
5	27	3·0	28	2·1	2	0·7	29	0·6	24	1·1	26	2·6	31	2·0	28	6·1	26	2·4	25	5·3	26	3·3	21	2·0	28	1·9	29	1·7	...	...	2·4
6	28	2·9	26	2·8	2	0·7	29	0·7	25	2·6	26	2·2	21	1·4	28	4·2	26	2·9	26	3·4	24	4·2	21	1·8	28	1·5	29	2·4	...	...	2·4
7	28	2·1	26	2·5	30	4·1	29	0·0	27	2·9	19	1·9	31	1·1	28	2·6	27	3·3	26	4·8	25	3·4	27	1·1	28	1·2	29	1·4	...	...	2·4
8	27	3·5	26	3·6	30	2·9	29	1·9	26	3·9	20	1·9	31	2·7	28	7·3	26	6·2	26	5·0	26	5·1	27	2·0	28	1·8	27	1·9	...	...	3·4
9	24	4·4	26	3·9	30	3·8	28	2·1	26	4·6	24	2·3	30	4·3	28	5·7	26	7·3	24	4·6	24	4·7	26	4·2	27	1·2	26	2·7	...	...	4·0
10	25	4·9	25	4·3	30	4·3	28	3·1	26	5·4	22	2·3	30	4·6	27	7·4	26	8·4	24	7·0	24	6·8	26	3·8	24	1·3	25	2·2	...	...	4·6
11	24	5·1	27	4·0	29	4·7	28	4·4	26	6·8	26	2·6	30	5·2	27	8·0	26	9·2	25	6·4	24	7·4	24	4·0	d12	2·5	24	2·5	...	...	5·2
Noon	24	5·3	26	3·7	28	3·5	29	4·0	26	5·8	26	4·1	30	6·4	28	8·1	26	7·5	26	6·9	25	4·8	24	3·8	11	3·2	21	3·2	...	...	4·9
13h	24	5·0	26	4·4	24	4·1	30	5·7	26	7·1	26	2·5	29	5·8	28	8·1	26	8·3	26	7·2	24	7·2	24	4·0	7	3·6	19	2·4	...	...	5·3
14	24	5·3	26	4·4	27	3·9	29	6·3	25	7·3	d 5	3·7	29	8·7	28	7·8	26	8·0	26	6·5	23	5·3	25	3·1	10	3·4	20	2·3	...	...	5·3
15	24	6·1	26	4·1	26	4·3	29	6·9	26	7·8	3	3·1	28	7·4	27	7·9	26	8·6	26	7·7	26	5·4	26	3·6	6	3·6	r12	3·1	...	...	5·6
16	24	5·9	26	4·2	26	3·3	29	4·1	26	6·7	3	2·5	28	5·4	26	7·5	26	8·0	26	6·1	25	5·0	26	2·7	8	2·7	9	2·8	...	...	4·7
17	24	4·9	26	3·1	30	2·8	28	4·4	26	5·6	4	0·6	28	7·5	26	6·3	26	7·8	26	6·4	26	5·1	26	3·0	5	1·7	10	2·4	...	...	4·4
18	24	3·8	26	3·6	28	2·9	27	3·1	27	4·8	4	0·6	28	8·0	27	4·9	27	5·2	26	4·9	26	3·5	26	1·6	5	1·2	10	0·9	...	...	3·5
19	24	4·1	26	3·2	28	1·4	28	1·0	27	3·9	4	1·0	28	6·8	27	5·4	27	6·0	27	5·5	27	2·3	25	1·6	d26	1·7	10	0·6	...	...	3·0
20	26	2·3	27	1·7	28	1·1	28	1·0	28	3·2	4	0·7	28	4·2	27	3·5	27	5·3	27	3·1	27	1·4	26	1·8	27	2·2	10	1·1	...	...	2·5
21	26	4·1	28	2·1	29	1·8	29	1·1	27	3·9	r28	1·9	27	5·8	25	3·9	26	4·1	27	3·8	27	1·4	25	2·3	28	2·6	10	1·4	...	...	3·0
22	26	3·3	28	1·8	29	1·1	28	2·0	27	2·7	28	1·8	28	5·3	26	3·7	26	5·3	27	3·2	27	1·4	28	1·8	29	1·9	10	2·2	...	...	2·6
23	26	3·1	28	1·7	29	0·6	28	2·4	27	2·9	28	1·9	28	4·6	26	3·6	26	5·6	28	3·8	27	1·3	28	1·8	29	2·1	r32	2·4	...	...	2·7

r = retrograde. d = direct.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for SEPTEMBER 1927.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART for the MONTH of SEPTEMBER 1927.

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	35·6	30·2	7
	3	Belmont	50	0·99	25·1	26·4	6
	4	Poudre d'Or	20	0·50	12·7	24·9	6
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	1·19	30·2	59·9	9
	10	Mont Piton	360	0·93	23·6	44·7	10
	11	Mon Choix	700	1·03	26·2	50·5	8
	12	Antoinette§	640	...	...	...	...
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	1·97	50·0	69·1	8
	15	Mon Songe	620	1·05	26·7	66·0	5
	16	La Grande Rosalie§ ..	640	...	...	...	..
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	1·03	26·2	46·9	13
	19	The Observatory ...	179	1·18	30·1	38·9	17
	20	Solitude§	175	...	...	...	...
	21	St André	90	1·04	26·4	28·2	4
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	..	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ ...	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	1·34	34·0	...	9
2 & 3	1	Union Régnard S.E.§ ...	600	...	...	...	...
	2	Constance d'Arifat L.G.	100	1·28	32·5	38·4	7
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	2·55	64·8	61·0	12
	5	Constance (Manès)§ ...	..	...	...	...	..
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	1·60	40·6	...	9
	10	St. Julien E(K Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	1·77	45·0	64·3	5
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	5·51	139·9	...	24
5	1	Rose Belle§	850	..	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	..	...	...	...
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	6·21	157·7	196·8	18
	2	Tivoli*	1,300	3·66	98·0	...	12
	3	La Flora*	1,050	3·52	89·4	...	20
	4	Britannia	730	3·30	83·8	100·8	19
	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	3·87	98·3	...	16
	10	Terracine§	1000	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	1·48	37·6	...	8
	15	Fontenelle*	...	1·26	32·0	...	4
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre§	40	...	...	...	...
	3	Beau Champ§	...	...	...	...	...
	4	Board§	...	...	..	...	...
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	..	...	...	...	...
	2	Curepipe Gardens ...	1,840	5·33	135·4	136·1	25
	3	Mare aux Vacoas ...	1,850	9·43	239·5	167·4	20
	4	La Marie Filter Bed ...	1,700	5·80	147·3	113.8	22
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse§	850	...	...	...	...
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands§	1,300	...	...	43·4	...
	7	Trianon	950	1·70	43·2	...	10
	8	Salency§	923	...	...	...	...
	9	La Ferme*	850	1·74	44·3	...	10
	10	Bon Air§	1,050	...	...	45·7	...
	11	Val Ory	1,100	1·56	39·6	...	17
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin*	..	..	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or	...	2·45	62·2	...	9
	17	Mon Repos§	...	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute§	...	0·12	3·0	...	1

§ Records not received * Normals not available.

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of SEPTEMBER 1927

Day \ Type	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. st. &c. Dir.	Cumulus Cu. st. &c. Vel./Height	Alto cu: Alto st: Dir.	Alto cu: Alto st: Vel./Height	Cirro Cumulu Dir.	Cirro Cumulu Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
	h	°	°	°	°	°	°	°	°	°	°	°	°
1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	8¾	285	21·6	270	5·4	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	9¾	...	...	270	7·3*	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...
13	8¼	...	...	...	...	...	...	...	...	...	...	120	5·1
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	10	...	...	300	12·1*	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...
18	11	...	...	300	7·3*	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	9¾	...	...	300	8·1*	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	9¾	...	...	330	10·5*	...	...	...	...	...	...	...	...
27	9¾	...	...	285	10·8*	...	...	...	...	...	...	...	...
28	10	...	...	300	6.8*	...	...	...	...	...	...	...	...
29	11¾	...	...	300	6·4*	...	...	...	...	...	...	...	...
30	9¾	...	...	315	4·7*	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...

Day \ Type	Time	Scud Dir.	Scud Vel./Height	Cum: Cu. st. &c. Dir.	Cum: Cu. st. &c. Vel./Height	Alto Cum Alto St: Dir.	Alto Cum Alto St: Vel./Height	Cirro Cum Dir.	Cirro Cum Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
	h	°	°	°	°	°	°	°	°	°	°	°	°
1	13¼	...	...	270	9·7*	...	...	...	...	...	...	...	...
2	13¼	...	...	240	4·9*	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	13¾	285	14·3	300	8·2	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	12¼	...	...	270	25·9*	...	...	...	...	...	...	...	...
8	13¼	...	...	300	11·7*	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	14½	...	...	270	13·4	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	13¾	...	...	330	7·0*	120	2·4	...	...	...	...	...	...
13	12¼	...	...	330	5·2	...	...	...	...	...	...	...	...
14	14¾	...	...	285	5·5	...	...	...	...	...	...	...	...
15	14½	...	...	330	12·1	...	...	...	...	...	...	...	...
16	14¼	...	...	270	9·1	...	...	...	...	...	...	...	...
17	13¾	...	...	300	11·8*	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...
19	14¾	...	...	330	5·3	...	...	...	...	...	...	...	...
20	13¾	...	...	315	10·7	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	12½	...	...	330	8·1*	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...
27	17½	...	...	270	8·1	...	...	...	...	...	...	...	...
28	12¼	...	...	300	2·1	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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NEW SERIES (MONTHLY). VOL. XIII. PART 10 PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

OCTOBER 1927

R. A. WATSON, B.A., F.R. MET. SOC.,

DIRECTOR.

Published by Authority of His Excellency the Governor

PORT LOUIS

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of OCTOBER 1927.

Month and Day. 1927	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.) K* †	Daily Range of.† Declination	Horizontal Force	Vertical Force.
	° ′				Unit 1 γ	
1	11·33.7	·22798	·00026	8·8	30	34
2	33·5	803	27	7·2	27	27
3	34·0	797	26	7·8	33	34
4	33·7	802	27	7·0	20	24
5	33·9	823	25	6·0	60	20
6	33·6	807	24	6·0	46	17
7	34·0	790	30	7·6	71	23
8	33·1	774	30	8·2	54	26
9	33·9	796	30	6·6	46	20
10	32·9	787	26	10·8	50	46
11	34·3	792	30	7·4	48	23
12	33·4	741	38	14.0	259	39
13	34·7	725	51	8·4	59	12
14	33·8	767	38	9·2	38	29
15	34·4	782	34	11·2	14	32
16	34·5	801	33	8·0	38	28
17	34·0	801	29	10·2	29	37
18	33·5	810	32	7·8	36	25
19	33·3	803	28	9·0	13	28
20	35·0	807	28	10·2	42	32
21	34·1	813	27	8·4	41	35
22	33·9	792	29	12·6	282	47
23	32·8	748	40	10·0	75	11
24	34·4	775	39	5·0	40	22
25	34·2	784	36	7·4	34	23
26	34·1	782	35	7·0	23	24
27	34·2	794	30	8·6	30	36
28	34·2	790	35	7·8	16	22
29	33·5	805	27	8·8	29	27
30	34·2	802	26	7·8	30	33
31	34·1	805	26	8·8	35	26
Mean	11·33·90	·22790	·00031	8.50	53·2	27·8

Description of the Principal Magnetic Disturbance

The 6th and 10th showed disturbances of some magnitude.

On the 12th a big storm occurred. There were small irregular disturbances up to 14.25 and then an apparently instantaneous rise in H of 50. The lowest value was reached about 20.10 when the light left the sheet for a few minutes The absolute range was more than 300γ. On the two following days the absolute value of H was very small though without notable disturbances. On the V trace some disturbance was evident before 14.25 but at that time a very sharp peak of 22γ occurred. A sharp peak before 22.00 corresponded with a similar peak on the D curve. A notably quiet period following was ended abruptly at 10.37 on the 22nd. The S.C. of this storm was apparently simultaneous in D, H and V and in all cases was a rise in value of the element. The remainder of the mouth was quiet.

Pulsations of V were conspicuous about 01.00 on the 5th, 23.00 on the 14th, 03.00 and 22.00 on the 16th, 22.00 on the 17th, 01.00 and 24.00 on the 19th and 00.00 on the 30th.

T=* : Mean Dip=θ=* (X=·22329 : Y=−·04568 : Z=*).

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

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of OCTOBER 1927

Declination (West)		Horizontal Force (C.G.S. Uni		Dip (South). A. M. Observations		Resulting	P. M Observations.		Resulting
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Vertical Force	Day and Hour.	Observed Value.	Vertical Force
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
OCT. 6· 8·55	11·34·53	OCT. 5· 9·22	·22796	OCT. 7.11.25	52·29.62	—	OCT.		—
6·14.14	11·30·45	12· 9·22	·22779	18· 9·46	52·26·81	—	10·12·38	52·28·50	—
11· 9.45	11·37·84	17· 9·07	·22813	22· 9·22	52·24·87	—	18·12·12	52·39·50	—
11·14·27	11.25.89	17·12·48	·22828	26·11·55	52·30·00	—	22·13·14	52·33·56	—
17· 9·43	11.38.38	24· 9·27	·22775	31· 9·43	52·27·06	—			—
17·11·29	11.36.20	31· 9·26	·22800			—			—
23·10·00	11.33.64					—			—

*See note at foot of Table V.

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

OCTOBER 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour
	11° +																
Midnight	35·6	33·8	34·0	34·0	33·8	35·0	34·0	36·0	34·0	33·8	34·0	34·0	35·4	34·0	34·0	34·0	Midnight
1h	34·4	33·8	34·2	34·0	33·6	34·2	34·2	36·0	34·0	33·8	34·4	34·2	34·4	34·0	33·8	34·0	1h
2	34·0	33·8	34·0	34·0	33·4	35·0	34·2	36·2	34·2	33·0	33·8	34·2	36·2	34·0	32·4	34·0	2
3	34·0	34·0	34·2	34·0	33·6	35·0	34·0	36·6	34·4	34·6	34·8	34·6	37·4	34·0	33·6	33·4	3
4	33·8	34·2	34·2	34·0	33·6	34·2	34·0	35·8	34·6	34·4	35·4	35·0	36·2	34·0	34·0	34·0	4
5	34·0	34·4	33·6	34·0	33·6	35·4	34·0	33·6	34·6	35·0	36·0	35·4	36·0	34·2	34·0	34·2	5
6	34·0	34·0	31·8	34·0	33·2	34·4	33·6	30·4	34·0	34·8	36·0	35·4	35·0	34·2	34·0	34·2	6
7	34·2	34·2	32·7	34·6	33·8	33·0	34·0	30·8	34·4	35·4	36·0	36·0	36·2	35·8	36·8	36·0	7
8	35·6	34·8	35·2	35·2	35·0	33·0	35·8	32·0	36·0	36·8	36·2	37·0	35·0	36·8	39·0	37·4	8
9	37·0	36·4	37·0	36·8	36·2	34·8	37·4	33·0	37·2	36·4	37·0	38·0	35·2	37·0	40·6	38·6	9
10	37·8	36·2	38·0	37·2	37·4	36·0	37·6	33·4	37·0	36·2	37·4	37·4	35·4	38·0	40·4	39·0	10
11	37·2	36·0	38·4	36·2	37·0	35·6	37·0	32·0	35·6	34·4	36·4	36·0	33·4	36·0	39·0	38·2	11
Noon	34·4	34·2	36·6	34·2	35·4	33·4	34·6	31·0	33·0	31·4	34·0	33·0	32·0	33·6	36·4	36·6	Noon
13h	31·4	31·4	35·0	32·4	33·2	30·4	32·0	28·4	32·0	26·0	30·6	29·2	29·8	30·6	33·4	34·0	13h
14	29·4	29·6	31·6	30·6	32·0	30·0	30·2	29·0	30·8	27·0	30·0	27·8	30·0	29·6	30·6	32·0	14
15	29·0	29·2	30·8	30·2	31·4	30·8	30·0	30·4	30·6	28·2	31·0	25·0	31·2	28·8	29·4	31·0	15
16	30·0	29·6	30·6	30·4	31·8	31·4	30·4	32·0	31·4	30·0	32·2	24·0	32·4	30·2	29·6	31·4	16
17	32·0	31·4	31·4	32·2	33·0	32·2	30·8	33·6	32·4	31·6	34·0	28·0	35·0	32·0	31·6	32·8	17
18	33·4	33·4	33·2	33·4	33·4	33·0	34·0	33·8	33·2	31·4	34·4	30·0	36·0	33·8	32·6	33·6	18
19	33·6	33·6	33·8	33·6	33·6	33·6	33·6	33·8	33·8	33·0	34·4	33·4	36·8	33·8	33·8	33·6	19
20	33·8	33·6	33·8	33·6	33·8	33·8	33·4	34·0	33·8	33·8	34·0	35·0	38·2	34·0	34·0	33·8	20
21	34·0	33·6	33·8	33·6	33·8	34·0	33·8	34·0	34·0	33·0	34·0	37·2	36·2	34·0	34·2	34·0	21
22	33·8	34·4	33·8	33·6	34·2	34·0	35·6	34·2	34·4	33·0	34·0	36·0	36·2	34·0	34·2	34·4	22
23	34·0	33·6	33·8	33·6	34·2	34·0	35·8	34·2	34·2	33·0	34·0	34·0	35·0	34·0	34·2	34·2	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. \ Hour
	11° +																
Midnight	34·0	34·0	34·0	35·2	34·2	34·2	34·6	35·0	35·4	35·2	35·0	34·4	34·4	34·6	35·0	34·5	Midnight
1h	33·8	34·0	34·2	34·4	34·2	34·2	35·0	35·4	35·0	35·4	34·6	34·2	34·4	35·2	35·0	34·4	1h
2	33·8	34·0	34·0	34·4	34·4	34·4	35·0	34·2	35·0	35·4	34·6	34·2	34·6	35·4	34·6	34·3	2
3	34·2	34·2	34·2	34·4	34·8	34·4	35·4	35·4	34·2	35·2	34·0	34·2	34·8	35·2	34·8	34·6	3
4	34·6	34·2	34·4	35·0	34·8	34·6	35·6	35·2	34·2	35·4	33·6	34·2	35·0	35·2	34·8	34·6	4
5	34·8	34·2	34·4	35·0	35·2	34·4	36·0	35·2	34·4	35·2	34·2	34·2	35·4	35·4	35·2	34·7	5
6	35·6	33·4	34·4	35·4	34·6	34·4	33·0	35·4	35·2	35·6	34·0	33·6	35·2	35·2	35·0	34·3	6
7	36·8	34·0	35·6	37·0	36·0	36·2	32·0	35·0	37·0	36·0	35·4	34·0	36·0	35·6	37·0	35·1	7
8	37·6	35·4	36·0	39·4	37·0	37·4	31·6	36·0	37·2	36·0	36·6	34·4	36·0	35·6	37·8	36·0	8
9	38·2	36·0	36·4	41·2	38·2	39·4	31·0	36·0	37·4	36·2	38·0	36·2	35·8	35·4	38·0	36·8	9
10	38·0	36·4	36·0	40·0	38·0	39·0	30·8	35·2	36·0	36·0	37·6	37·2	34·4	36·0	37·4	36·9	10
11	37·4	36·0	34·0	38·0	37·0	36·0	30·8	34·2	35·2	35·2	37·0	37·8	33·2	35·6	35·0	35·8	11
Noon	35·0	33·2	32·0	36·0	35·0	30·8	30·6	33·0	32·6	32·4	35·6	36·4	32·0	34·0	33·0	33·7	Noon
13h	31·0	32·0	28·6	33·0	31·6	28·6	26·0	31·4	31·0	30·0	31·6	33·0	28·2	31·4	31·6	30·9	13h
14	28·0	29·4	27·4	31·2	30·0	26·8	26·2	31·0	30·0	29·2	29·4	30·4	27·2	30·0	29·4	29·5	14
15	28·2	28·6	28·0	31·0	29·8	28·4	30·0	33·0	31·0	29·6	29·6	30·0	28·0	28·2	29·2	29·7	15
16	30·0	30·0	30·0	32·0	30·4	32·2	32·2	34·0	31·6	30·4	31·0	31·2	30·2	30·2	30·2	30·7	16
17	32·0	32·8	32·4	33·4	32·2	33·0	34·4	34·8	33·4	33·2	33·0	33·6	33·0	33·2	31·8	32·6	17
18	33·2	33·4	33·4	33·6	33·4	34·0	35·6	34·2	34·0	34·0	34·0	34·4	34·2	34·6	33·2	33·6	18
19	33·6	33·8	33·6	34·0	33·6	34·0	35·0	34·6	34·2	34·2	34·2	35·0	34·6	35·2	34·0	34·0	19
20	33·8	33·8	33·4	34·2	33·6	33·6	34·4	34·2	34·0	34·2	34·4	35·0	34·6	35·0	34·2	34·2	20
21	34·0	33·8	33·6	34·0	33·8	34·2	34·0	34·0	34·4	34·2	34·4	34·8	34·6	34·8	34·0	34·2	21
22	34·2	34·0	34·0	34·4	33·8	34·2	34·2	34·2	34·4	35·0	34·4	34·6	34·6	35·0	34·0	34·3	22
23	34·2	34·4	35·0	34·4	34·0	34·2	34·4	35·4	34·4	35·2	34·4	34·6	34·6	34·8	34·0	34·3	23

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

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

OCTOBER 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	·22000 + (C.G.S. UNIT).																
Midnight	777	802	800	800	800	800	800	770	785	783	790	785	727	745	775	789	Midnight
1h	777	803	803	800	803	823	802	773	791	794	799	788	701	751	779	790	1h
2	789	809	810	800	807	812	803	770	799	785	803	789	697	757	783	790	2
3	793	809	809	800	808	813	803	770	802	790	802	792	702	760	782	801	3
4	796	809	802	801	809	833	803	772	803	790	790	793	719	762	780	795	4
5	800	809	800	808	810	820	803	773	803	792	793	795	710	762	781	790	5
6	800	807	813	809	812	814	805	787	800	790	796	791	724	761	780	792	6
7	802	802	795	807	821	813	806	782	799	799	796	790	719	760	779	800	7
8	802	805	797	807	830	812	810	789	795	800	798	790	715	755	779	803	8
9	807	806	804	810	842	819	820	791	800	799	809	791	720	763	779	805	9
10	803	810	799	810	858	823	829	791	808	801	819	795	729	770	780	803	10
11	805	812	800	809	860	810	830	791	812	802	820	801	738	769	779	809	11
Noon	805	818	806	809	859	800	816	797	816	806	819	809	740	770	782	815	Noon
13h	802	810	802	805	858	791	780	770	809	810	791	800	736	773	787	827	13h
14	800	800	793	805	837	787	779	750	798	780	783	790	740	774	787	826	14
15	800	798	784	795	827	800	768	743	793	769	780	763	739	775	788	820	15
16	798	794	780	790	820	800	759	745	799	771	780	740	730	775	788	811	16
17	797	791	784	792	819	799	760	749	799	769	780	642	713	771	781	801	17
18	800	791	788	795	812	797	760	760	795	760	772	575	712	771	780	795	18
19	800	792	789	797	817	800	760	770	793	769	779	570	725	771	783	794	19
20	798	793	790	799	814	799	769	776	783	772	778	550	756	773	782	791	20
21	795	797	793	800	804	800	768	779	771	779	778	618	729	775	781	790	21
22	795	800	795	800	808	800	779	787	770	781	780	730	733	773	783	800	22
23	800	799	796	799	806	799	765	791	783	793	783	728	745	783	789	794	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d	30d.	31d.	Mean	Hour \ Day
	2 2000 + (C.G.S. UNIT).																
Midnight	793	799	801	803	810	805	760	765	769	794	793	789	791	802	793	786·9	Midnight
1h	796	796	800	803	809	809	761	792	789	781	791	793	799	819	793	790·6	1h
2	799	800	809	805	807	809	763	781	791	790	790	791	799	798	811	791·8	2
3	798	800	804	802	803	809	769	770	783	780	790	790	800	799	802	791·5	3
4	798	800	803	801	806	810	763	770	776	780	797	790	800	802	799	792·0	4
5	799	800	802	801	808	811	784	773	770	780	799	791	799	800	799	792·6	5
6	799	800	802	802	809	811	780	771	775	780	795	793	800	800	799	793·5	6
7	799	807	809	809	810	816	770	770	771	777	796	797	805	801	799	793·7	7
8	803	812	807	810	812	819	770	760	771	775	799	791	805	805	792	794·1	8
9	812	820	801	814	819	823	750	772	782	779	800	790	810	803	799	798·0	9
10	815	826	799	820	829	832	730	783	782	790	803	788	813	801	803	801·4	10
11	812	829	799	831	834	922	721	796	790	794	811	791	817	812	810	807·0	11
Noon	814	831	802	832	839	952	709	800	800	792	813	793	820	820	815	809·6	Noon
13	819	832	801	830	840	850	723	789	803	781	810	790	820	819	828	802·8	13h
14	812	831	810	820	835	783	722	780	801	781	796	785	812	812	822	794·5	14
15	802	824	810	809	821	720	723	779	798	779	790	781	806	802	815	787·1	15
16	798	814	800	806	812	670	733	776	789	771	789	785	802	799	810	781·7	16
17	792	809	798	801	803	730	739	762	776	772	785	788	805	798	809	777·9	17
18	792	802	797	802	801	721	740	771	780	780	783	790	808	791	802	774·9	18
19	793	802	803	800	801	737	730	770	780	782	786	790	800	790	803	776·6	19
20	793	801	809	800	800	741	735	770	782	782	787	790	800	790	802	777·6	20
21	792	800	806	795	799	745	752	770	780	781	788	791	803	799	802	779·4	21
22	790	800	801	790	800	750	760	770	779	789	790	790	804	798	801	784·7	22
23	791	800	800	790	801	753	770	768	783	790	783	790	800	793	802	786·0	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*).

OCTOBER 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	K + (10—5C.G.S. UNIT.)																
Midnight	31	29	29	28	28	27	26	32	30	29	31	31	56	45	40	36	Midnight
1h	31	28	30	29	29	25	27	32	30	27	31	31	58	43	40	36	1h
2	30	28	28	29	29	27	27	33	30	27	30	30	57	42	38	36	2
3	29	28	30	29	29	28	27	32	30	30	30	31	57	42	38	35	3
4	29	27	30	29	29	27	28	33	31	30	32	31	51	42	39	35	4
5	29	28	30	29	29	27	29	30	32	32	33	32	51	43	39	36	5
6	28	27	27	28	28	27	28	27	30	32	34	33	50	43	39	36	6
7	30	28	27	30	29	25	30	32	35	34	36	37	50	46	43	40	7
8	34	34	35	33	32	26	35	37	39	38	38	38	53	49	49	42	8
9	40	39	40	39	32	29	41	38	40	36	39	39	56	48	49	44	9
10	40	40	43	39	32	29	40	36	34	33	37	35	55	46	40	43	10
11	33	34	38	32	27	20	30	30	30	23	33	28	54	39	32	39	11
Noon	21	23	28	24	23	14	23	18	26	10	26	17	53	29	26	31	Noon
13h	10	17	23	22	19	12	18	12	20	—08	16	03	48	21	22	22	13h
14	06	13	13	18	12	15	20	20	21	00	18	02	48	20	17	16	14
15	10	16	09	15	12	19	27	26	25	08	21	00	48	23	18	18	15
16	15	19	12	18	17	21	30	31	27	18	26	17	47	30	20	22	16
17	20	21	16	21	20	22	31	34	30	27	29	40	50	35	24	27	17
18	22	26	21	25	21	23	36	33	31	29	29	65	47	38	28	30	18
19	23	25	22	25	22	25	33	32	30	32	30	68	49	38	31	30	19
20	23	26	23	26	22	24	33	32	30	33	31	77	48	38	31	31	20
21	27	27	26	27	23	25	32	32	32	35	32	80	46	40	33	32	21
22	28	29	27	28	25	25	33	32	33	34	32	75	48	41	35	36	22
23	28	29	26	28	27	26	32	31	30	31	32	56	46	42	36	34	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. \ Hour.
	K + (10—5C.G.S. UNIT.)																
Midnight	35	32	33	32	32	30	39	40	40	39	35	35	35	31	32	33·8	Midnight
1h	35	33	33	32	30	30	39	41	40	37	33	33	34	32	32	33·5	1h
2	35	33	33	32	31	30	38	38	38	38	33	33	33	31	31	33·2	2
3	35	33	34	32	32	30	39	40	37	37	33	33	33	31	30	33·4	3
4	35	33	34	33	32	32	39	40	37	38	33	33	33	31	31	33·5	4
5	35	33	34	33	33	32	40	41	38	38	34	34	33	32	31	33·9	5
6	36	32	34	35	32	32	33	40	40	39	35	33	34	33	32	33·5	6
7	39	34	35	39	35	36	35	42	43	41	38	37	36	35	36	35·9	7
8	41	38	37	41	37	39	36	47	44	43	43	40	34	37	35	38·8	8.
9	42	42	40	40	38	39	40	49	43	42	44	48	34	35	34	40·6	9
10	38	43	37	27	31	29	44	42	39	42	38	47	29	32	30	37·7	10
11	31	41	30	22	33	10	42	36	32	40	28	45	24	27	24	31·8	11
Noon	23	33	22	19	27	—07	40	28	26	29	17	40	20	13	19	23·9	Noon
13h	13	23	16	13	03	—08	37	27	21	19	08	31	13	06	12	16·5	13h
14	05	18	12	—09	03	03	38	30	21	19	09	27	09	04	10	15·4	14
15	07	20	12	13	10	20	43	32	26	21	13	26	10	10	10	18·3	15
16	17	27	14	20	18	40	41	38	31	25	21	29	16	15	14	23·7	16
17	22	33	21	27	23	47	42	40	35	34	28	31	21	20	20	28·7	17
18	26	33	25	28	28	37	43	40	36	35	31	32	23	26	26	31·4	18
19	26	32	27	28	28	34	42	41	37	35	32	32	27	27	27	31·9	19
20	27	30	27	29	28	37	41	38	37	35	33	33	28	28	28	32·5	20
21	29	31	29	29	30	38	41	40	38	36	35	33	29	28	28	33·6	21
22	31	32	30	30	30	39	42	40	38	37	35	35	30	30	29	34·5	22
23	31	33	31	31	30	38	40	40	39	38	35	35	31	31	30	33·8	23

* Absolute values cannot be allotted. The figures are consistent apart from instrumental drift throughout the month, but discontinuities may occur between successive months. These will be noted

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of OCTOBER 1927.

Month and Day 1927	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees	Wind. Velocity.	Highest.	Lowest.	Range				
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	971·1	20·9	1·9	17·5	81	19·8	—	Calm	Thermometer broken	10·9		1·0	0·0	11·7	96
2	970·1	21·9	2·2	18·0	78	20·4	—	Calm		12·0		4·1	0·0	6·0	49
3	969·3	21·2	2·0	17·7	81	20·1	290	0·5		13·3		6·3	0.0	11·1	90
4	971·1	19·4	1·1	17·4	88	19·7	290	1·3		14·7		8·2	5·3	7·8	63
5	972·7	18·6	0·4	17·9	96	20·3	290	3·6		16·0		5·1	7·5	7·2	58
6	970·3	20·0	2·9	14·8	72	16·7	310	4·5		12·9		7·1	0·0	9·8	80
7	971·0	18·7	1·4	16·1	85	18·1	300	2·2		15·6		6·3	0·9	9·6	78
8	971·7	20·9	2·5	16·4	75	18·5	290	5·4		15·0		1·1	0·5	11·5	94
9	972·1	20·2	1·7	17·2	83	19·4	290	1·8		19·4		5·2	0·4	10·2	82
10	972·7	20·2	1·7	17·2	83	19·4	290	2·2		15·4		5·2	0·1	7·7	62
11	974·0	18·5	0·8	17·0	91	19·2	270	4·5		16·3		8·2	6·1	6·7	54
12	973·8	20·9	1·8	17·7	82	20·1	240	7·2		15·7		7·2	2·4	10·4	84
13	971·4	21·5	1·6	18·7	84	21·4	250	5·4		15·4		5·1	0·0	9·2	74
14	970·4	22·0	2·4	17·8	77	20·2	250	1·3		16·0		7·1	0·0	6·1	49
15	971·8	21·9	2·0	18·4	81	21·0	270	1·3		15·9		6·1	0·6	11·5	92
16	971·6	21·9	3·2	16·2	70	18·2	250	3·6		16·1		2·1	0·0	11·2	90
17	970·8	22·4	3·9	15·6	66	17·6	280	1·3		14·3		1·0	0·2	6·3	50
18	970·5	22·0	3·7	15·5	66	17·4	—	Calm		15·4		3·2	0·0	5·9	47
19	970·0	22·4	3·0	17·1	72	19·3	210	0·9		15·4		6·2	0·0	5·7	46
20	969·7	21·3	2·4	17·1	77	19·3	—	Calm		17·2		4·4	6·5	5·5	44
21	971·2	21·5	1·6	18·7	84	21·4	—	Calm		15·1		7·0	0·0	5·7	45
22	972·3	19·9	2·7	15·0	73	16·9	310	8·1		15·5		2·1	1·3	11·5	91
23	972·1	19·5	2·1	15·7	79	17·7	300	3·1		12·9		9·1	0·0	6·9	55
24	971·1	19·6	1·1	17·6	88	19·9	250	4·0		15·6		4·1	13·6	8.1	64
25	970·0	21·9	2·2	18·0	78	20·4	260	1·3		17·6		3·1	0·0	10·4	82
26	970·4	23·3	2·9	18·3	73	20·8	220	1·3		16·5		7·1	0·0	6·9	54
27	972·0	20·9	0·9	19·3	91	22·2	250	3·1		17·7		8·1	2·3	4·3	34
28	970·7	22·5	1·3	20·2	87	23·4	240	1·3		17·2		6·1	0·0	6·4	50
29	970·3	21·6	1·2	19·1	86	21·9	290	1·3		14·6		5·0	6·3	9·9	78
30	969·1	23·2	1·6	20·4	84	23·7	260	1·3		16·5		5·1	0·5	8·1	64
31	970·7	23·4	1·3	21·1	87	24·8	250	0·5		17·3		7·0	0·0	7·7	60
Mean	971·2	21·1	2·0	17·6	80.6	20·0	272·3°	2·5		15·5		5·3	Sum 54·5	8·26	66·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.

Atmospheric Pressure	+ 42·4 mbs
Temperature of the Air	+ 3·5°C
Vapour Tension	— 1·6 mbs
Relative Humidity	— 20·5%
Direction of Wind	9.3°S
Velocity of Wind	+ 1·5 m.p.s.
Amount of cloud	— 0·4

Amount of rain	— 16·6 mm.
Duration of sunshine	+ 33·1 hrs.
Mean of highest temperatures	...
Mean of lowest temperatures	+ 2·3°C
Absolute highest temperature	...
Absolute lowest temperature	+ 3·2°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1927.

Month and Day 1927	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)		Elasti Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0—10)
	Mean	Excess above Average	ighest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
	mbs.	mbs.	c	c	c	c	c	c		c			mbs.	c	mm.	min	mm.	
1	1012·4	− 0·5	25·7	14·1	11·6	20·1	− 1·4	2·9	14·9	− 0·9	72	+ 1	16·8	10·3	0·0	...	5·2	2.2
2	1011·9	− 0·9	26·0	14·3	11·7	20·3	− 1·2	3·0	14·9	− 1·0	71	0	16·8	9·7	0·0	...	4·6	4·2
3	1011·4	− 1·4	25·9	14·9	11·0	20·6	− 0·9	3·1	15·1	− 0·8	71	0	17·0	11·5	0·0	...	4·2	3·8
4	1013·1	+ 0·4	25·9	18·7	7·2	21·7	+ 0·1	3·1	16·3	+ 0·4	72	+ 2	18·4	16·1	0·3	10	4·5	7·2
5	1013·4	+ 0·8	24·6	16·0	8·6	20·8	− 0·8	2·5	16·4	+ 0·5	76	+ 6	18·5	11·3	5·2	50	7·2	6·4
6	1012·4	− 0·1	25·0	14·7	10·3	20·2	− 1·5	3·3	14·3	− 1·7	69	− 1	16·2	11·1	0·0	...	9·0	4·0
7	1012·9	+ 0.5	25·2	18·8	6·4	21·5	− 0·2	3·6	15·1	− 0·9	67	− 3	17·0	14·8	0·0	...	7·0	3·1
8	1013·4	+ 1·1	25·2	17·9	7·6	21·5	− 0·3	3·3	15·7	− 0·4	70	0	17·7	13·5	0·0	...	6·2	2·3
9	1013·6	+ 1·4	25·3	19·3	6·0	21·9	+ 0·1	3·3	16·1	0·0	70	0	18·1	16·2	0·0	...	7·0	4·8
10	1014·3	+ 2·2	25·8	18·8	7·0	21·9	0·0	2·9	16·8	+ 0·7	73	+ 3	18·9	16·0	0·0	...	5·0	5·4
11	1015·3	+ 3·3	25·0	19·0	6·0	21·6	− 0·3	2·8	18·8	+ 2·6	74	+ 4	18·8	16·5	10·0	155	7·0	7·2
12	1015·3	+ 3·3	25·2	18·2	7·0	21·7	− 0·2	3·6	15·4	− 0·8	67	− 3	17·3	17·1	0·8	20	7·8	6·2
13	1012·9	+ 1·0	25·9	18·8	7·1	22·0	0·0	3·5	15·9	− 0·3	68	− 2	17·9	16·5	0·2	5	6·2	5·2
14	1012·1	+ 0·3	25·9	18·6	7·3	21·8	− 0·2	3·0	16·5	+ 0·2	72	+ 2	18·6	16·4	0·0	...	4·6	3·8
15	1013·4	+ 1·6	25·6	18·6	7·0	22·0	− 0·1	2·8	17·1	+ 0·8	74	+ 4	19·3	15·5	3·4	40	5·6	5·4
16	1013·2	+ 1·5	26·5	17·9	8·6	22·1	0·0	3·3	16·3	0·0	70	0	18·4	14·7	0·0	...	6·0	3·1
17	1012·9	+ 1·3	26·7	17·2	9·5	21·9	− 0·3	3·5	15·8	− 0·6	69	− 1	17·8	14·5	0·0	...	6·0	1·7
18	1012·1	+ 0·6	26·7	18·0	8·7	21·9	− 0·3	3·2	16·3	− 0·1	71	+ 1	18·4	14·0	0·0	...	5·6	3·8
19	1011·8	+ 0·3	27·7	17·7	10·0	22·6	+ 0·3	3·1	17·2	+ 0·7	71	+ 2	19·4	13·9	0·0	...	2·8	6·2
20	1011·7	+ 0·3	26·5	19·8	6·7	22·2	− 0·2	1·9	18·9	+ 2·4	82	+ 13	21·6	14·6	12·3	245	7·3	7·0
21	1013·0	+ 1·7	25·4	16·7	8·7	21·3	− 1·1	1·9	17·9	+ 1·4	81	+ 12	20·3	14·5	0·7	12	3·5	5·4
22	1014·2	+ 3.0	24·8	17·8	7·0	21·3	− 1·2	4·2	13·9	− 2·7	63	− 6	15·7	11·8	0·0	...	7·2	2·0
23	1013·8	+ 2·6	24·9	14·6	10·3	20·0	− 2·6	2·9	14·8	− 1·8	72	+ 3	16·7	8·8	0·5	9	4·5	4·7
24	1012·3	+ 1·2	25·0	18·2	6·8	21·4	− 1·2	2·2	17·5	+ 0·9	79	+ 10	19·8	15·9	2·6	65	5·8	4·6
25	1011·4	+ 0·4	26·4	18·8	7·6	22·1	− 0·6	2·6	17·5	+ 0·8	75	+ 6	19·8	17·3	0·0	...	6·0	3·5
26	1012·2	+ 1·2	28·2	18·1	10·1	23·0	+ 0·3	3·0	17·8	+ 1·1	73	+ 4	20·2	16·6	0·2	2	5·2	2·6
27	1013·3	+ 2·4	27·4	20·2	7·2	23·3	+ 0·5	2·4	18·1	+ 1·3	73	+ 4	20·6	17·6	1·0	22	5·8	4·5
28	1012·8	+ 2·0	26·7	19·3	7·4	23·2	+ 0·3	3·1	17·8	+ 1·0	72	+ 3	20·2	14·6	0·3	15	6·3	4·3
29	1011·9	+ 1·1	26·9	17·0	9·9	22·6	− 0·3	3·1	17·2	+ 0·3	71	+ 2	19·4	12·4	0·0	...	5·0	3·8
30	1010·7	0·0	28.1	19·2	8·9	23·5	+ 0·6	3·3	17.8	+ 0·9	70	+ 1	20·2	16·9	0·0	...	7·0	3·9
31	1012·5	+ 1·9	26·1	20·6	5·5	23·2	+ 0·2	2·2	19·4	+ 2·5	79	+ 10	22·3	17·5	0·4	15	3·6	7·5
Mean	1012·8	+ 1·1	26·0	17·8	8·2	21·8	− 0.4	3·0	16·5	+ 0·1	72·2	+ 2.5	18·6	14·5	Sum 37·9	Sum 665	5·8	4·5
Aver.	1011·7	...	27·1	18·1	9·0	22·2	...	3·3	16·4	...	69·7	...	18·5	14·9	35·1	848	5·7	5·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF OCTOBER 1927.

The characteristic features of the month under review were a long positive wave of pressure culminating on the 12th and 22nd, low air temperatures and high humidity with, generally, low wind velocities.

Pressure was above normal on 27 days and 1·1 mbs above in the mean.

Temperature was below normal on 20 days and relative humidity above on 20 days

Rainfall all over the Island was variable but practically normal

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

Northern Districts	River System 1,	15% below	Western Districts	River System 11	13% above
Eastern Districts	,, ,, 2, 3, 4,	28% above		,, ,, 12	29% below
South-Eastern Districts	,, ,, 5 & 6	32% below		,, 13	No rainfall

January 23 1928.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1927.

Month and Day 1927.	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	6 inches	3 inches	Weather
OCTOBER	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	
1	11·7	96	− 0·4	− 0·6	56	0·7	2·1	− 1·6	24·2	23·3	22·8	23·3	22·8	23·0	b : f
2	6·8	56	− 0·7	− 0·1	8	0·7	1·9	− 1·8	24·2	23·3	22·9	23·6	23·1	23·4	b : f : c : f
3	6·1	50	− 1·4	+ 0·9	327	1·6	2·5	− 1·2	24·2	23·3	23·0	23·6	23·0	22·7	b : c : f
4	8·3	68	− 1·6	+ 3·0	298	3·4	3·5	− 0·2	24·2	23·3	23·1	23·5	23·0	23·1	c
5	8·0	65	− 1·4	+ 3·5	292	3·7	3·8	+ 0·2	24·2	23·3	23·1	23·7	23·3	23·2	c : f : b
6	11·6	94	− 1·7	+ 3·0	300	3·4	3·5	− 0·1	24·1	23·4	23·2	23·6	22·7	22·6	f
7	11·3	92	− 2·0	+ 3·7	298	4·2	4·2	+ 0·6	24·1	23·4	23·2	23·6	23·0	23·0	f
8	11.1	90	− 2·0	+ 3·6	299	4·1	4·2	+ 0·6	24·1	23·5	23·2	23·8	23·2	23·3	b
9	10·3	83	− 2·0	+ 3·7	298	4·2	4·3	+ 0·7	24·1	23·3	23·3	24·0	23·4	23·4	f
10	9·7	78	− 1·3	+ 4·0	388	4·2	4·3	+ 0·7	24·1	23·4	23·4	24·1	23·3	23·2	f
11	8·3	67	− 1·1	+ 4·8	283	4·9	4·9	+ 1·3	24·1	23·4	23.4	24·1	23·4	23·1	c
12	8·7	70	− 1·1	+ 4·6	283	4·7	4·9	+ 1·3	24·1	23·4	23·5	24·0	23·2	23·0	f : c : f
13	8·5	69	− 1·1	+ 3·8	286	3·9	4·1	+ 0·5	24·0	23·4	23·5	24·1	23·3	23·0	f
14	7·5	60	− 1·1	+ 2·5	294	2·7	2·9	− 0·7	23·9	23·4	23·6	24·2	23·5	23·4	b : f : b
15	11·8	94	− 0·9	+ 3·2	286	3·3	3·4	− 0·2	24·1	23·5	23·6	24·1	23·7	23·7	c : f
16	11·3	90	− 0·7	+ 2·8	284	2·9	3·1	− 0·5	24·1	23·4	23·7	24·5	23·8	23·9	b : f : b
17	11·7	94	− 1·3	+ 2·4	298	2·7	2·9	− 0·6	24·1	23·5	23·8	24·5	24·0	24·0	b
18	11·2	90	− 0·3	+ 2·4	277	2·4	2·6	− 0·9	24·1	23·5	23·9	24·7	24·0	23·9	b : c : f
19	8·6	69	+ 0·2	+ 2·1	265	2·1	2·4	− 1·1	24·1	23·6	24·0	24·7	24·1	24·3	b : f : c
20	5·2	41	+ 0·6	− 0·2	162	0·6	1·8	− 1·7	24·1	23·5	24·1	25·0	24·8	25·1	cgp : f
21	4·3	34	− 0·5	+ 0·1	349	0·5	1·8	− 1·7	24·1	23·5	24·2	25·2	23·3	24·2	b : cg : f
22	11·9	94	− 5·1	+ 3·3	327	6·0	6·1	+ 2·6	24·1	23·5	24·2	24·9	24·1	24·2	b
23	8·0	64	− 2·4	+ 3·2	307	4·0	4·2	+ 0·7	24·1	23·5	24·2	24·7	23·4	22·9	b : c : f
24	9·4	75	− 1·0	+ 3·8	285	3·9	4·2	+ 0·7	24·0	23·7	24·1	24·1	23·3	23·2	b : c : f : b
25	10·4	82	− 0·5	+ 2·8	280	2·8	2·9	− 0·6	24·0	23·6	24·1	24·3	23·8	24·0	b : f : b
26	11·9	94	+ 0·3	+ 2·0	261	2·0	2·1	− 1·4	24·1	23·4	24·0	24·6	24·3	24·2	f
27	9·6	76	+ 0·6	+ 2·6	257	2·6	2·7	− 0·8	24·0	23·7	24·1	25·1	24·8	25·2	f : c : f
28	10·2	80	− 0·1	+ 2·5	272	2·5	2·7	− 0·8	24·0	23·7	24·3	25·5	25·0	25·4	b : c : f
29	11·6	91	− 1·5	+ 2·5	301	2·9	3·0	− 0·5	24·0	23·6	24·4	25·6	25·0	25·0	b : c : b
30	11·3	89	0·0	+ 2·5	360	2·5	2·7	− 0·8	24·0	23·6	24·6	25·5	25·2	25·4	b : f : b
31	3·6	28	− 0.5	+ 2·3	282	2·3	2·5	− 1·0	24·0	23·6	24·7	25·6	25·3	25·3	c : b
Mean	9·35	74·9	− 1·03	+ 2·60	291·6	2·80	3·30	− 0·26	24·08	23·47	23·72	24·39	23·79	23·79	...
Average	8·21	65·7	− 0·60	+ 2·44	283·8	2·51	3·56	...	24·41	24·13	23·98	24·39	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF OCTOBER 1927.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1016·3mbs	at	21h	on 11th	1009·1 mbs	at	16h	on 30th
Temperature of the Air	28·2C	at	13h30m	on 26th	14·1C	at	06h00m	on 1st
Daily range of temperature of the Air...	11·7C		...	on 2nd	5·5C		...	on 31st
Temperature of the Dew Point	21·4C	at	8h	on 27th	11·0C	at	22h	on 22nd
Daily range of temperature of the Dew Point	7·0C	...	...	on 22nd	2·0C		...	on 18th
Relative humidity...	100·0%	at	7h,	on 5th	46·6%	at	13h	on 30th
Wind Velocity	9·6 m.p.s.	at	11h	on 22nd	0·6 mps	at	often	on often
Rainfall	12·3 mm	ending	6h	on the 20th	...		...	...
Temperature of the soil at 3 ins. ...	27·3C	at	18h	on 30th	20·6C	at	9h	on 1st & 6th
, at 6 ins. ...	26·0 C	at	21h	on 30th	21·6C	at	9h	on 1st
Duration of sunshine	11·9 hrs.		...	on 22nd & 26th	3·6hrs		...	31st
Amount of Evaporation in 24 hours	9·0 mm.		...	on 6th	2·8 m.m		...	on 19th
Vapour Tension	25·4 mbs	at	8h	on 27th	13·0 mbs	at	22h	on 22nd
Minimum on Grass	...		...	...	8·8°C		...	on 23rd

Number of Days Overcast, 4 Clear 5, of Rain 14 of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air, 24·01C. Average 24·60C Mean Night Temperature of Air, 19·52C. Average 19·77°C.

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

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

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

OCTOBER 1927.

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	0130	0133	0120	0129	0140	0139	0126	0140	0137	0145	0154	0160	0153	0130	0136	0140	Midnight
1h	0129	0130	0119	0128	0139	0137	0124	0138	0134	0141	0153	0159	0148	0123	0136	0137	1h
2	0124	0123	0113	0128	0134	0131	0120	0135	0131	0139	0150	0154	0142	0120	0131	0132	2
3	0121	0120	0110	0124	0130	0129	0117	0133	0129	0135	0146	0150	0136	0117	0131	0130	3
4	0121	0120	0109	0124	0131	0127	0118	0131	0129	0137	0143	0150	0133	0113	0131	0130	4
5	0123	0120	0110	0128	0138	0128	0120	0132	0131	0139	0146	0150	0130	0114	0133	0130	5
6	0127	0122	0113	0132	0141	0130	0128	0135	0137	0140	0150	0153	0134	0120	0137	0134	6
7	0131	0127	0119	0135	0143	0131	0130	0137	0140	0147	0155	0159	0136	0123	0140	0138	7
8	0134	0130	0120	0139	0147	0133	0134	0142	0145	0150	0160	0161	0140	0127	0145	0140	8
9	0134	0130	0121	0140	0145	0130	0136	0141	0148	0150	0161	0162	0141	0130	0147	0141	9
10	0130	0127	0119	0138	0141	0129	0133	0140	0141	0150	0160	0161	0139	0130	0143	0140	10
11	0125	0120	0111	0134	0138	0125	0130	0139	0140	0148	0159	0159	0136	0124	0140	0136	11
Noon	0121	0118	0108	0128	0130	0120	0125	0132	0138	0140	0153	0156	0130	0119	0133	0127	Noon
13h	0114	0117	0100	0125	0123	0114	0121	0130	0132	0133	0149	0150	0123	0112	0130	0119	13h
14	0110	0108	0098	0122	0120	0104	0113	0123	0129	0130	0149	0144	0116	0109	0122	0112	14
15	0108	0103	0097	0118	0118	0104	0113	0120	0121	0130	0140	0140	0111	0105	0119	0112	15
16	0110	0102	0097	0119	0119	0106	0119	0120	0121	0131	0140	0141	0110	0107	0120	0118	16
17	0114	0103	0100	0121	0120	0110	0122	0121	0126	0132	0142	0142	0110	0110	0121	0120	17
18	0118	0109	0109	0128	0125	0118	0130	0129	0130	0139	0150	0147	0117	0117	0127	0127	18
19	0125	0113	0118	0130	0131	0124	0138	0134	0138	0146	0153	0150	0121	0121	0132	0133	19
20	0129	0120	0121	0137	0135	0127	0141	0140	0140	0153	0160	0152	0127	0128	0138	0140	20
21	0133	0124	0129	0142	0140	0130	0147	0141	0148	0157	0163	0157	0130	0135	0140	0144	21
22	0133	0122	0130	0141	0142	0129	0147	0142	0149	0160	0162	0157	0130	0137	0141	0147	22
23	0131	0122	0130	0141	0140	0129	0146	0140	0148	0155	0162	0157	0130	0137	0140	0144	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	0140	0133	0130	0120	0130	0141	0154	0134	0120	0121	0132	0140	0130	0115	0121	1013·5	Midnight
1h	0137	0130	0122	0114	0124	0137	0150	0132	0112	0119	0130	0137	0123	0110	0119	1013·1	1h
2	0130	0128	0118	0109	0121	0132	0147	0129	0110	0113	0129	0133	0120	0103	0116	1012·7	2
3	0130	0123	0114	0105	0119	0131	0142	0121	0106	0112	0125	0131	0119	0100	0115	1012·4	3
4	0130	0120	0115	0106	0120	0131	0140	0120	0106	0111	0126	0133	0120	0101	0117	1012·4	4
5	0131	0122	0119	0110	0122	0137	0141	0123	0110	0114	0130	0132	0123	0101	0120	1012·6	5
6	0132	0127	0121	0112	0127	0140	0149	0130	0114	0120	0136	0137	0128	0104	0127	1013·0	6
7	0137	0130	0129	0121	0131	0143	0150	0136	0122	0127	0140	0140	0129	0112	0129	1013·4	7
8	0138	0133	0131	0127	0137	0149	0150	0136	0124	0128	0141	0140	0130	0117	0132	1013·7	8
9	0138	0134	0130	0125	0139	0150	0150	0139	0125	0128	0141	0140	0130	0120	0137	1013·8	9
10	0137	0130	0127	0121	0137	0149	0149	0137	0121	0127	0140	0137	0129	0118	0133	1013·6	10
11	0131	0123	0117	0119	0130	0145	0141	0130	0120	0124	0135	0131	0122	0111	0131	1013·1	11
Noon	0129	0119	0113	0114	0129	0141	0137	0123	0113	0121	0131	0125	0119	0110	0127	1012·7	Noon
13h	0121	0111	0107	0110	0123	0132	0130	0114	0104	0118	0127	0119	0111	0100	0121	1012·1	13h
14	0117	0103	0101	0109	0119	0130	0122	0110	0101	0111	0120	0112	0110	0099	0119	1011·6	14
15	0113	0101	0100	0103	0118	0127	0122	0107	0100	0110	0120	0110	0102	0093	0114	1011·3	15
16	0114	0100	0101	0103	0120	0130	0120	0104	0099	0110	0120	0109	0101	0091	0112	1011·3	16
17	0115	0101	0108	0108	0122	0132	0120	0107	0100	0112	0121	0110	0103	0093	0116	1011·6	17
18	0121	0109	0112	0113	0129	0136	0126	0113	0108	0120	0130	0119	0111	0099	0122	1012·2	18
19	0129	0118	0119	0121	0135	0147	0129	0119	0117	0129	0137	0127	0115	0103	0127	1012·8	19
20	0132	0124	0121	0130	0141	0152	0131	0121	0126	0133	0141	0130	0120	0110	0130	1013·3	20
21	0134	0129	0127	0133	0147	0159	0134	0123	0129	0137	0143	0132	0122	0117	0133	1013·7	21
22	0138	0131	0128	0139	0150	0159	0141	0126	0128	0140	0145	0132	0121	0122	0136	1013·9	22
23	0137	0131	0123	0138	0144	0159	0140	0121	0126	0136	0141	0130	0120	0121	0136	1013·7	23

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

Hour \ Day.	OCTOBER 1927.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	0	0	0	2	9	4	2	2	3	5	8	2	5	1	5	2	0	0	1	10	0	1	1	1	0	0	2	1	0	1	5	2·4
1h	0	0	0	3	10	5	1	1	4	6	10	3	4	1	9	2	0	0	3	10	0	1	1	1	0	0	2	1	1	1	8	2·8
2	1	0	0	5	8	5	1	1	4	6	10	3	3	1	10	2	1	0	5	10	0	1	1	1	1	0	2	1	1	1	9	3·0
3	2	0	0	10	4	4	2	1	3	8	9	3	3	1	10	3	1	1	1	10	0	1	2	1	1	0	1	3	1	1	9	3·1
4	1	0	0	9	9	3	1	1	3	7	9	5	4	1	10	2	2	1	8	10	0	1	1	2	1	0	8	5	1	1	8	3·7
5	1	1	0	8	10	3	2	1	3	5	9	8	5	1	9	2	2	1	9	10	1	1	1	4	1	0	9	3	1	2	9	3·9
6	2	3	0	8	10	4	2	2	2	2	8	9	8	2	9	2	2	2	10	10	1	2	2	9	5	1	10	3	1	5	9	4·7
7	1	3	0	9	8	4	3	2	4	3	8	8	9	4	6	3	2	1	10	10	1	1	2	9	8	2	10	2	1	5	9	4·8
8	1	3	1	10	8	3	2	2	6	4	8	8	9	4	6	4	2	2	6	10	3	2	4	8	8	4	8	3	3	5	9	5·0
9	1	4	1	10	4	3	1	1	5	5	8	8	10	4	6	8	2	6	2	10	6	2	6	10	8	5	7	5	7	5	10	5·5
10	1	5	7	9	9	5	1	3	4	10	9	2	2	5	6	6	3	6	3	10	9	1	10	10	7	5	7	4	5	5	10	5·8
11	0	6	8	7	9	6	4	4	4	9	9	3	5	5	6	6	3	7	3	8	8	7	9	6	6	6	6	8	7	10	6·2
Noon	0	0	8	7	9	7	4	4	5	8	7	8	5	7	5	6	4	7	5	8	9	5	9	9	6	7	7	6	6	7	9	6·4
13h	1	7	8	6	9	6	5	5	5	7	7	8	6	6	4	6	4	7	4	9	9	6	9	7	4	5	6	7	6	5	9	6·2
14	2	9	10	6	9	5	5	5	6	4	9	8	6	6	5	5	3	8	4	9	10	8	10	4	4	5	4	7	9	7	9	6·5
15	3	10	10	3	8	7	4	4	7	5	7	9	5	8	4	4	3	9	4	8	10	1	10	4	7	4	4	7	7	7	10	6·2
16	5	10	9	5	6	5	3	3	7	4	7	7	6	8	4	3	3	7	6	7	10	1	9	4	6	4	4	8	7	6	10	5·9
17	7	9	8	7	5	4	3	3	8	3	8	8	5	8	4	3	2	7	7	2	10	2	8	5	5	4	4	9	8	5	9	5·9
18	8	9	7	9	3	3	2	2	8	2	8	9	5	6	3	2	2	7	8	2	9	2	5	5	3	3	4	9	8	4	5	5·2
19	9	7	5	6	2	3	3	2	6	5	6	8	6	4	5	2	1	5	8	2	8	1	4	4	2	2	2	7	5	3	3	4·5
20	5	5	3	8	2	2	5	1	5	4	4	7	8	2	2	1	0	3	8	2	7	0	3	3	1	1	1	5	2	2	2	3·4
21	2	2	3	9	1	2	9	1	4	5	2	5	4	0	1	1	0	1	10	1	8	0	3	2	0	1	0	2	1	1	1	2·6
22	1	1	1	5	1	1	6	2	4	6	2	4	2	1	1	0	0	0	10	1	6	0	1	1	0	1	0	1	1	2	2	2·1
23	0	0	1	7	2	2	3	2	5	6	3	5	1	3	1	0	0	2	10	0	4	0	1	1	0	1	0	0	1	3	4	2·2

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

r* Ending \ Day.	OCTOBER 1927.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0
7	50	8	51	0	2	50	25	20	22	35	10	6	5	45	50	30	50	50	0	0	60	55	55	17	9	59	0	50	58	35	4	15·2
8	60	60	60	0	45	60	55	60	55	55	32	25	43	15	60	55	60	60	0	0	60	60	60	57	60	60	8	60	60	55	44	24·1
9	60	60	60	15	60	60	60	60	55	48	58	37	22	47	60	60	60	60	55	0	60	60	60	0	60	60	58	60	55	60	18	25·8
10	60	60	57	44	55	60	60	60	60	50	50	60	48	60	60	60	60	60	60	13	35	60	50	30	60	60	60	60	60	50	20	27·4
11	60	60	56	52	50	60	60	60	60	16	55	60	60	60	60	60	60	55	60	35	27	60	13	50	60	60	60	60	58	60	25	27·2
Noon	60	60	12	60	45	60	60	60	60	58	58	58	55	50	60	60	60	52	60	60	15	60	60	60	60	60	60	60	60	55	13	27·8
13h	60	60	14	60	11	60	60	60	60	56	60	60	58	50	60	60	60	59	60	44	0	60	32	55	60	55	60	60	60	52	32	26·6
14	60	40	14	60	54	60	60	60	60	56	38	60	60	54	60	60	60	48	60	10	0	60	55	60	55	60	60	60	56	60	0	26·0
15	60	2	0	60	60	60	60	60	60	60	31	56	60	40	60	60	60	51	60	15	0	60	20	60	60	60	60	60	50	60	0	24·4
16	60	0	0	60	58	55	60	58	56	60	60	51	60	15	60	60	60	60	60	24	0	60	13	60	26	60	60	60	50	60	9	23·9
17	60	0	35	60	9	58	60	55	50	39	35	22	15	17	60	60	60	60	40	45	1	60	40	60	54	58	60	23	58	60	22	22·3
18	52	0	9	25	30	55	57	54	18	50	10	27	25	0	55	52	50	60	0	60	0	60	19	55	58	60	27	0	60	60	30	18·6
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	5	2	0	0	10	10	0	0·6

The total amount of registered sunshine was 289·9 hours and the total possible sunshine 387·2 hours.

* Reckoned from apparent midnight.

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

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

OCTOBER 1927

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

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

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

OCTOBER 1927

Day / Hour	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day / Hour
Midnight	18·9	1·7	19·3	1·7	18·6	1·5	21·1	1·2	18·8	0·9	20·3	1·3	17·9	3·0	19·1	1·4	Midnight
1h	18·1	1·3	19·1	1·5	17·9	1·0	20·6	0·9	18·0	0·9	20·4	1·5	17·9	3·2	18·9	1·4	1h
2	18·0	1·2	18·7	1·4	17·7	1·1	20·1	0·7	17·8	0·8	20.1	1·8	16·7	2·7	18·9	1·0	2
3	17·8	1·4	18·7	1·4	18·3	1·0	20·0	0·6	17·1	0·8	20·1	2·0	16·1	2·1	18·7	1·4	3
4	17·5	1·2	18·4	1·3	18·0	1·0	20·2	0·2	16·8	0·8	19·9	1·9	15·9	1·9	18·3	1·0	4
5	18·0	1·0	18·1	1·1	18·6	1·0	20·0	0·6	16·9	0·9	19·8	2.1	15·0	1·5	18·7	1·3	5
6	17·5	1.2	18·6	1·1	19·8	1·2	20·0	0·5	18·0	0·8	19·8	2·7	16·1	1·7	19·0	0·9	6
7	21·4	2·6	21·4	2·3	20·1	2·0	20·6	0·6	21·3	1·4	21·2	3·1	19·7	3·1	20·7	1·0	7
8	23.4	4·1	23·7	3·9	22·1	3·1	30·9	0·7	24·0	3·1	22·3	4·2	22·2	4·6	22·4	2·7	8
9	25.0	6·0	25·0	4·9	24·2	4·4	22·1	0·9	25·1	4·1	23·1	4·7	23·5	5·6	21·7	1·6	9
10	25·4	6·4	25·7	5·1	25·3	4·8	23·9	2·0	24·7	3·5	23·9	5·6	23·3	5·3	23·0	2·8	10
11	25·4	6·3	25·6	5·3	26·0	5·5	25·3	3·2	25·0	3·4	24·1	6·3	22·9	4·6	24·2	3·5	11
Noon	26·3	6·3	25·9	5·4	27·2	6·1	26·2	4·0	24·0	3·5	24·4	6·6	24·2	5·1	24·6	4·0	Noon
13	26·2	6·4	25·4	5·4	27·0	6·1	26·1	4·1	23·2	2·9	24·5	6·8	23·9	4·6	24·4	4·4	13h
14	26.0	6·2	25·4	5·4	26·8	6·0	25·5	4.1	23·7	2·9	24·5	6·7	23·0	4·0	24·9	4·1	14
15	25·9	5·9	25·1	5·0	26·9	6·1	25·1	3.7	23·9	3·0	24·0	7·0	20·5	1·5	24·2	4·0	15
16	25·2	5·8	24·2	5·2	26·0	5·1	24·9	4·2	22·9	1·9	23·7	6·3	21·7	2·8	23·5	3·8	16
17	24.1	4·6	23·9	4·9	25·0	4·2	24·2	3.3	22·3	1·3	22·0	5·0	21·3	3·0	23·0	3·4	17
18	22·7	3·7	23·0	3·7	24·2	3·5	23·7	2·8	22·1	1·8	20·9	4·5	20·1	1·9	22·2	2·6	18
19	21·4	2·7	21·4	2·8	23·2	2·9	22·1	1·6	21·2	1·5	19·9	4·2	19·9	1·9	21·2	1·9	19
20	21·1	2·5	20·6	2·4	23·0	2·7	21·5	1·4	20·7	1·0	19·3	4·0	19·7	1·6	20·8	1·7	20
21	20·3	2·2	19·6	1·8	22·5	2·2	20·8	1·5	20·9	1·2	19·0	4·0	19·8	1·5	20·5	1·4	21
22	19·5	1·8	19·7	1·7	21·4	1.2	19·7	1·0	20·6	1·4	18.5	4·1	19·3	1·3	20·0	1·1	22
23	19·4	1·7	19·1	1·5	21·0	1·1	18·8	0·8	20·7	1·6	17·9	3·5	19·7	1·7	19·9	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	19·9	1·2	19·7	1·3	20·7	0·9	21·3	1·2	20·7	1·8	20·9	1·7	20·8	1·0	19·4	1·5	Midnight
1h	19·9	1·4	19·7	1·4	20·3	1·0	21·1	0·9	20·2	1·9	20·3	1·3	21·0	1·0	19·1	1·3	1h
2	19·5	1·3	19·3	1·1	21·0	0·8	20·5	0·9	19·0	1·3	20·8	1·4	20·7	0·8	18·9	1·3	2
3	19·6	1·2	19·0	1·1	21·0	1·0	20·1	0·8	18·4	1·2	20·0	1·3	21·7	1·0	18·7	1·2	3
4	19·3	1·1	18·6	1·2	21·1	0·8	20·5	0·6	17·7	1·0	19·3	1·1	21·7	1·0	18·4	1·1	4
5	18·9	0·9	18·3	0·9	21·1	0·9	19·6	0·6	17·7	0·8	19·9	1·2	22·0	1·2	18·4	1·1	5
6	19·3	0·6	18·4	1·0	20·9	0·8	20·0	1·0	18·0	1·0	20·2	1·0	22·0	1·2	18·6	1·1	6
7	21·3	1·6	22·1	1·7	21·7	0·8	22·9	2·6	21·2	1·5	23·3	2·4	24·0	2·5	20·7	1·9	7
8	24·0	3·2	24·1	3·2	23·3	1·1	24·0	3·7	24·2	3·9	24·9	3·8	24·9	3·1	22·7	3·2	8
9	24·1	3·3	25·5	4·3	25·1	3·0	26·1	5·4	26·0	5·6	25·0	4·0	24·9	3·1	23·9	4·2	9
10	24·0	3·6	26·1	4·8	26·1	4·2	26·0	5·1	26·3	5·8	26·5	5·4	25·7	3·2	24·6	4·9	10
11	24·3	3·9	26·3	5·2	26·2	4·3	26·2	5·3	26·7	5·7	26·9	7·2	25·3	3·3	25·1	5·3	11
Noon	26·0	5·3	27·2	5·7	26·8	4·6	26·7	5·8	26·9	5·9	27·1	7·5	25·4	3·1	25.4	5·3	Noon
13h	26·1	5·2	27·1	5·8	26·9	4·9	26·6	5·7	26·8	5·6	28·0	7·5	25·1	3·1	25·4	5·5	13h
14	26·1	5·8	27·5	5·6	26·9	4·9	26·7	5·7	24·0	3·8	27·5	7·2	25·1	4·2	25·2	5·3	14
15	25·0	4·8	27·8	5·9	26·5	4·8	26·1	5·3	26·0	5·1	26·9	5·5	25·3	4·0	24·9	5·1	15
16	24·1	3·8	26·4	5·0	25·9	4·7	25·6	4·7	25·8	5·3	26·1	5·0	25·2	3·9	24·3	4·8	16
17	24·0	4·0	25·3	4·1	25·0	3·9	24·1	3·9	24·8	4·7	25·4	4·3	24·4	3·1	23·4	4·1	17
18	23·1	3.1	24·7	3·7	23·8	3·1	23·9	3·9	23·8	3·5	24·2	3·2	23·6	2·5	22·5	3·3	18
19	21·3	1·9	23·1	2·2	22·8	2·1	23·0	2·8	22·3	2·4	22·9	1·9	22·5	1·6	21·4	2·4	19
20	21·0	1·7	22·3	2·0	22·0	1·7	22·4	1·7	21.9	2·2	22·3	1·4	22·1	1·4	20·9	2·1	20
21	20·2	1·3	22·0	1·7	21·3	1·3	22·0	2·1	21·7	2·2	21·9	1·2	21·6	1·3	20·5	1·9	21
22	20·0	1·1	21·1	1·1	21·0	1·1	21·3	2·1	21·3	1·8	21·7	1·4	21·7	1·0	20·1	1·7	22
23	20·0	1·1	21·1	1·1	21·2	1·3	21·0	1·9	21·0	1·7	21·1	1·0	21·1	1·1	19·9	1·7	23

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

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

OCTOBER 1927.

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	876	905	882	896	886	910	885	915	892	908	896	907	884	924	893	916	Midnight
1h	879	904	883	900	884	911	888	919	890	910	897	905	882	927	893	915	1h
2	883	903	884	911	885	910	886	921	897	916	893	910	879	932	891	922	2
3	885	906	882	912	890	907	887	920	893	915	895	907	883	942	890	914	3
4	879	914	882	912	891	907	887	913	888	931	894	908	885	937	889	917	4
5	881	913	881	913	881	912	879	921	894	927	896	907	879	931	886	921	5
6	881	912	881	913	881	913	882	918	889	928	893	909	869	946	882	927	6
7	890	908	890	907	882	912	864	924	887	933	895	907	880	930	882	945	7
8	894	904	894	902	882	912	861	939	882	943	883	941	878	954	878	954	8
9	902	912	880	908	883	917	887	933	872	967	882	945	875	960	878	952	9
10	921	900	876	910	884	924	886	935	877	956	880	949	877	955	878	953	10
11	937	885	900	923	880	920	883	943	878	954	877	955	874	962	875	959	11
Noon	919	871	914	864	900	871	900	943	886	970	875	960	878	952	878	954	Noon
13h	921	879	923	866	900	875	900	946	878	953	883	943	867	950	881	946	13h
14	913	867	920	880	905	877	890	948	870	972	873	965	874	963	878	954	14
15	906	870	908	880	903	885	883	942	875	960	875	959	868	948	867	949	15
16	893	866	900	884	878	878	882	944	878	954	868	947	874	940	881	946	16
17	891	879	900	893	876	936	882	943	882	944	862	938	870	945	871	943	7
18	894	886	900	894	877	935	874	939	886	934	878	922	883	926	865	935	18
19	898	894	900	891	881	929	882	927	891	912	887	920	893	910	879	931	19
20	896	891	883	900	880	920	886	922	894	908	888	919	893	909	873	927	20
21	883	893	890	900	887	919	885	924	892	911	878	933	891	912	875	925	21
22	890	898	888	902	881	928	884	924	892	910	876	936	891	913	875	925	22
23	883	897	887	909	883	917	880	920	891	912	880	930	886	921	878	922	23

Day / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	881	919	890	915	882	944	886	921	883	925	890	925	887	913	890	915	Midnight
1h	881	928	890	915	900	944	889	927	887	913	885	924	886	935	889	916	1h
2	877	934	890	915	906	927	890	951	882	927	889	917	900	918	891	912	2
3	884	924	892	911	890	924	884	940	888	919	890	915	905	926	891	912	3
4	883	925	890	915	885	938	883	942	886	921	882	927	905	911	892	911	4
5	887	920	887	920	881	947	885	938	885	923	885	923	892	918	890	915	5
6	881	928	891	913	877	955	900	932	886	922	891	912	888	918	891	909	6
7	879	931	885	924	891	943	900	946	881	929	889	916	882	927	882	918	7
8	874	939	887	962	889	955	900	956	880	940	886	921	875	938	885	938	8
9	852	948	900	960	889	955	900	967	881	947	881	929	893	936	900	945	9
10	870	972	900	959	887	963	914	970	880	948	885	938	891	943	909	946	10
11	875	961	900	965	887	966	900	973	889	953	878	933	891	943	922	952	11
Noon	885	977	900	970	900	978	888	961	900	956	885	938	900	946	910	949	Noon
13h	876	957	900	953	887	964	885	976	900	950	909	943	900	947	900	949	13h
14	878	954	875	959	889	956	887	964	900	959	908	941	911	956	900	942	14
15	875	959	876	958	886	968	887	965	900	956	900	936	889	953	900	944	15
16	881	947	875	961	900	962	882	945	900	958	900	931	900	944	885	938	16
17	879	952	878	954	889	956	878	952	889	956	887	933	883	943	883	941	17
18	883	943	874	929	890	950	884	940	890	949	879	931	879	932	887	933	18
19	887	920	873	941	889	929	877	935	893	935	880	920	888	919	890	915	19
20	890	915	885	938	886	921	885	924	887	932	887	913	887	919	887	920	20
21	887	919	884	939	888	931	877	934	887	932	887	913	890	923	881	919	21
22	890	914	890	915	885	938	885	924	887	934	889	911	888	930	885	915	22
23	889	916	890	948	884	939	881	928	889	926	889	911	885	923	885	915	23

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

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

OCTOBER 1927.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	887	913	887	913	894	908	894	915	907	885	871	911	878	922	878	932	Midnight
1h	889	911	887	913	892	910	892	918	907	884	853	919	878	914	869	931	1h
2	887	913	885	915	895	907	900	933	906	885	857	918	880	908	876	936	2
3	889	911	888	912	892	910	891	922	905	888	857	917	885	907	880	920	3
4	889	911	886	914	891	913	909	907	907	883	858	917	889	905	881	919	4
5	886	914	882	918	894	908	895	911	885	907	854	930	886	906	882	918	5
6	890	910	891	909	888	919	893	909	888	909	848	934	875	905	877	923	6
7	885	915	880	920	880	920	898	912	891	907	854	930	869	906	882	927	7
8	877	934	900	923	881	928	899	906	891	909	833	944	859	941	890	950	8
9	882	927	900	928	900	939	900	912	896	918	833	944	873	941	900	939	9
10	883	926	900	934	907	932	914	903	908	880	839	941	868	947	900	952	10
11	886	934	907	935	900	944	915	900	922	900	820	953	880	949	900	953	11
Noon	900	944	908	937	914	934	924	890	900	877	841	959	875	960	900	956	Noon
13h	900	945	907	936	922	932	924	884	900	884	835	943	879	950	900	963	13h
14	900	950	908	938	915	938	926	883	899	893	827	949	879	950	900	959	14
15	900	953	908	940	929	929	906	869	909	907	831	946	869	946	888	961	15
16	882	927	911	952	922	922	922	878	906	906	841	939	868	947	900	955	16
17	876	936	908	940	909	922	911	873	904	904	835	943	865	953	900	954	17
18	873	927	900	932	910	915	906	885	878	922	845	936	870	930	900	944	18
19	883	926	900	915	905	911	902	894	883	911	848	934	874	940	893	936	19
20	880	920	893	915	902	912	902	894	886	910	864	924	877	934	883	926	20
21	886	910	893	909	906	913	905	889	875	917	870	920	876	936	889	926	21
22	883	911	893	910	907	910	908	889	885	910	877	923	882	927	892	920	22
23	884	916	893	910	900	917	908	890	870	920	882	918	880	930	883	926	23

Day. / Hour	25d.		26d.		27d.		28d.		29d.		30d.		31		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	891	922	896	919	904	910	900	917	888	905	895	912	893	916	889	915	Midnight
1h	886	922	897	913	904	909	900	915	889	908	894	915	893	917	888	916	1h
2	888	919	897	915	900	907	900	913	890	907	895	912	894	913	889	917	2
3	892	920	897	913	900	918	900	918	888	909	893	916	903	917	890	916	3
4	893	916	896	909	900	913	891	921	887	909	894	913	902	911	889	916	4
5	890	915	897	913	900	918	890	924	891	907	892	911	901	907	887	918	5
6	888	918	898	912	908	911	893	934	882	912	894	914	901	906	886	919	6
7	888	919	892	919	893	915	894	929	885	910	892	920	904	918	885	922	7
8	879	931	893	936	901	926	900	937	883	925	906	927	884	924	884	934	8
9	900	941	900	935	906	939	908	938	872	928	900	934	889	927	888	938	9
10	900	947	900	934	906	940	909	942	883	942	900	944	906	930	892	939	10
11	900	944	906	930	907	941	909	943	873	927	900	938	907	936	893	941	11
Noon	900	947	906	929	908	943	900	943	900	944	907	935	900	945	897	939	Noon
13h	900	946	907	932	900	947	908	937	890	948	915	937	908	939	897	936	13
14	900	945	911	929	900	946	907	935	879	952	916	939	876	936	894	939	13
15	900	948	927	927	900	944	908	939	883	941	923	935	883	941	892	937	14
16	907	936	911	928	915	938	907	935	890	947	922	933	883	942	892	933	15
17	900	938	910	925	914	935	907	933	881	947	900	937	891	944	887	935	16
18	900	926	907	917	900	927	900	918	869	931	900	934	889	927	886	928	17
19	898	911	903	907	903	916	896	918	880	930	890	924	894	914	888	920	18
20	898	908	903	906	903	915	892	900	891	912	890	923	894	914	889	916	19
21	898	909	903	907	906	914	888	902	888	918	893	917	893	916	888	917	20
22	897	917	905	912	903	916	891	902	893	917	892	920	895	911	890	917	21
23	895	922	906	915	900	922	885	906	894	914	896	909	896	910	888	918	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during OCTOBER 1927.

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

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	31	2·5	1	1·8	29	1·7	28	2·1	28	1·1	27	0·8	27	2·9	26	1·8	28	2·7	27	1·8	26	4·8	27	2·5	27	3·0	26	2·7	28	1·8	27	1·8
1h	31	2·2	32	1·7	29	1·9	27	2·2	28	1·4	27	0·6	27	3·3	26	1·7	27	3·4	27	1·8	24	4·4	26	2·9	28	1·9	27	2·8	26	3·8	27	1·9
2	31	1·7	29	1·9	29	1·8	27	2·5	25	1·6	27	1·2	27	3·8	26	2·4	27	4·1	27	1·8	23	2·8	25	5·2	27	3·3	27	2·0	24	1·8	27	1·5
3	30	1·6	29	2·1	29	1·2	27	2·4	26	1·7	27	0·9	26	4·5	27	1·7	27	2·9	27	1·4	26	2·6	26	4·3	27	2·2	27	1·8	23	2·7	27	1·5
4	29	2·5	29	2·1	29	1·1	28	1·9	26	3·3	27	1·0	26	4·0	27	2·0	27	3·0	27	1·8	26	4·1	26	4·5	27	2·5	27	3·2	22	1·2	27	1·4
5	29	2·3	29	2·3	29	2·2	28	3·0	25	2·8	27	0·8	27	3·7	27	2·5	27	2·4	27	2·4	26	5·1	26	4·1	27	2·7	27	2·7	26	2·0	27	1·8
6	29	2·2	29	2·3	29	2·3	28	2·5	26	3·0	27	1·1	27	5·6	27	3·3	27	3·4	27	1·6	26	6·0	24	3·2	27	2·6	27	1·5	27	2·1	28	1·3
7	29	1·3	29	1·2	29	2·1	29	4·3	26	3·5	27	0·9	27	3·6	26	4·9	27	3·7	27	2·8	25	4·4	24	4·6	27	3·5	27	1·9	27	3·3	28	2·5
8	29	0·7	30	0·6	29	2·1	28	5·6	26	4·7	26	4·4	26	5·9	26	5·9	27	4·7	25	6·3	25	5·6	24	5·6	26	5·3	27	2·5	27	4·6	26	4·1
9	23	1·2	30	2·2	28	2·4	26	3·5	26	7·3	26	4·9	26	6·5	26	5·7	28	6·9	24	6·0	25	5·6	24	6·7	26	5·1	27	3·5	25	3·7	24	4·5
10	16	2·1	30	2·6	27	2·9	26	3·8	26	6·1	26	5·3	26	6·0	26	5·8	26	7·8	24	5·9	25	6·4	23	7·1	26	5·2	26	4·1	25	4·4	23	4·7
11	14	4·0	24	2·3	28	2·8	26	4·6	26	5·9	26	6·0	26	6·7	26	6·4	26	6·6	24	6·5	25	6·7	24	7·3	25	5·4	27	4·0	25	4·4	22	5·7
Noon	11	3·5	10	3·9	d 8	2·9	24	4·3	25	7·1	26	6·5	26	5·7	26	5·9	25	7·9	24	7·0	24	7·8	25	6·2	24	5·6	26	4·1	24	4·6	23	5·0
13h	12	3·0	11	4·1	8	2·5	24	4·6	26	5·8	26	4·6	27	6·0	26	5·0	26	6·2	24	5·3	25	6·5	25	7·7	24	5·0	23	4·4	24	4·7	24	4·9
14	10	3·5	12	2·9	9	2·4	25	4·9	26	7·8	26	7·0	26	6·8	26	5·9	26	5·9	26	6·4	25	5·7	25	6·5	24	5·9	23	4·2	23	5·7	24	4·2
15	9	3·1	10	2·2	9	1·5	26	4·5	26	6·5	27	6·4	27	5·8	27	5·0	26	6·4	26	6·3	25	6·9	25	6·6	24	5·6	24	3·6	25	5·4	24	4·4
16	7	3·5	8	1·6	4	3·1	26	4·8	26	5·9	27	5·7	27	4·8	26	5·0	26	5·1	26	6·6	24	6·2	26	4·9	24	5·8	24	3·1	24	4·4	26	4·1
17	6	2·3	8	0·7	r 27	4·4	26	4·7	26	4·8	28	5·4	27	5·4	27	5·2	26	5·6	26	5·9	25	5·7	26	5·7	25	5·7	26	3·5	26	4·6	26	4·4
18	6	1·5	8	0·6	27	4·2	27	4·7	26	3·7	28	3·2	27	3·1	28	5·0	26	4·6	27	4·7	25	5·1	26	4·3	25	5·0	27	3·7	27	3·8	26	3·5
19	6	0·6	8	0·9	27	3·5	27	3·3	27	1·5	27	2·4	27	1·2	27	3·7	27	2·4	27	4·9	26	3·1	27	4·2	25	3·6	28	2·9	27	2·2	27	1·8
20	6	1·0	32	1·7	28	2·8	27	2·6	27	1·0	27	2·2	27	1·1	28	3·8	27	1·8	26	4·1	27	2·5	27	2·8	26	3·4	28	1·9	27	2·3	27	2·4
21	2	1·9	32	1·0	27	2·3	27	2·8	27	1·4	27	4·0	27	1·5	28	3·5	27	2·3	26	4·2	26	3·3	27	4·1	26	3·4	28	1·8	26	2·5	28	2·7
22	1	1·0	31	1·2	27	3·4	27	2·9	27	1·3	27	4·3	27	1·6	28	3·5	27	1·7	27	1·8	26	4·1	27	2·8	26	3·6	28	1·6	26	3·2	28	2·2
23	1	1·7	29	1·6	28	2·4	28	2·9	27	1·5	27	3·6	27	2·5	28	3·2	27	1·9	25	4·9	26	4·2	27	3·4	26	2·8	28	1·5	27	2·7	28	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	28	1·8	28	1·9	27	1·0	26	1·6	10	1·7	30	3·1	28	3·1	27	3·9	26	2·4	25	1·9	22	1·1	24	1·7	30	1·3	26	1·3	26	1·8	2·1
1h	28	1·6	28	1·8	27	1·3	26	2·0	10	1·8	30	5·1	29	2·6	28	4·4	27	2·6	25	1·3	22	1·0	24	1·5	29	1·4	26	1·6	26	1·9	2·3
2	28	1·9	28	2·2	27	0·9	24	3·3	10	1·6	30	4·7	30	2·2	27	4·3	27	2·2	25	1·5	24	0·7	24	1·3	29	1·2	26	1·3	26	1·4	2·3
3	28	1·5	28	1·7	27	1·3	26	2·4	10	1·3	30	4·6	30	1·7	28	2·9	26	2·2	25	1·3	24	1·8	24	1·8	29	1·5	26	1·8	23	1·7	2·1
4	28	1·5	28	2·0	27	1·6	19	1·1	10	1·9	30	4·5	30	1·2	28	2·7	26	1·8	26	1·0	24	1·3	26	2·3	29	1·6	26	1·4	23	1·1	2·1
5	28	2·0	28	2·5	27	1·0	26	1·2	r 30	1·7	29	5·5	30	1·5	28	2·6	27	1·8	25	1·3	24	1·8	26	2·6	29	1·1	27	1·4	23	0·7	2·3
6	28	1·4	28	1·3	27	2·2	27	1·1	29	1·5	29	6·2	31	2·6	28	3·3	27	2·1	25	1·2	21	1·4	25	3·5	29	2·1	26	1·5	23	0·6	2·5
7	28	2·2	28	2·8	28	2·8	25	1·2	29	1·1	29	5·5	31	3·2	27	3·3	27	2·2	26	2·1	26	1·7	25	3·0	29	1·8	26	2·2	23	1·8	2·8
8	27	4·1	24	2·3	27	3·4	25	0·6	28	1·3	29	8·0	28	5·9	25	5·1	27	3·7	25	3·7	22	2·8	24	3·7	27	3·0	23	2·8	27	2·9	3·9
9	27	3·2	24	2·8	24	3·9	24	1·2	25	1·8	29	8·0	27	4·9	24	3·9	24	4·1	24	3·5	22	4·2	23	3·9	28	4·0	24	3·4	26	2·9	4·2
10	27	3·1	24	3·4	23	3·3	17	1·4	d 10	2·2	29	7·3	27	5·7	24	5·2	24	4·7	24	3·4	22	4·3	23	4·3	26	4·5	24	4·4	23	3·1	4·5
11	26	3·7	23	3·6	24	4·4	16	1·5	16	2·2	29	9·6	26	5·3	24	5·3	24	4·4	23	3·1	22	4·4	23	4·4	28	3·9	24	3·8	23	3·7	4·8
Noon	24	4·4	23	3·8	22	3·7	14	2·6	8	2·3	28	8·4	26	6·5	24	5·0	24	4·7	23	3·0	22	4·7	24	4·3	24	4·4	23	3·6	24	4·5	5·0
13h	24	4·5	23	3·7	21	3·9	13	2·9	8	1·6	29	7·8	26	5·4	24	6·3	24	4·6	23	3·3	23	4·8	23	3·8	25	4·9	22	4·0	23	4·0	4·7
14	24	5·0	23	3·9	22	4·1	13	3·1	7	0·7	29	8·8	26	5·4	24	5·9	24	4·5	22	3·1	24	4·6	23	3·6	26	5·6	22	4·2	27	4·4	4·9
15	24	5·3	23	4·1	20	4·1	9	3·2	d 19	1·1	29	8·3	27	5·6	25	6·2	24	4·8	20	3·9	24	4·4	23	4·0	26	4·4	21	4·2	26	4·4	4·8
16	27	3·3	23	5·3	20	3·2	12	3·1	20	0·8	29	7·1	27	5·7	24	5·5	23	3·7	22	3·0	22	4·1	23	3·5	25	4·8	21	4·0	26	4·5	4·4
17	27	4·3	23	4·1	22	2·4	10	2·9	20	0·6	29	7·8	27	6·4	24	5·4	24	3·8	22	2·7	22	3·8	23	3·4	26	5·1	24	3·7	25	4·5	4·4
18	28	3·8	24	3·2	21	1·8	10	1·6	28	3·1	29	6·6	28	4·3	24	4·4	24	2·6	22	1·9	24	2·7	24	1·8	28	4·4	24	3·4	26	2·9	3·5
19	27	3·1	24	1·5	22	1·2	10	0·6	29	2·0	29	6·2	27	4·8	25	3·7	25	1·1	22	0·8	23	1·6	25	1·8	27	3·6	26	2·6	26	1·5	2·5
20	28	2·8	26	1·7	23	1·2	10	0·6	29	1·7	29	4·3	27	4·1	27	3·1	25	0·8	22	0·7	23	1·5	32	0·8	27	1·5	26	2·5	26	1·5	2·1
21	29	1·7	27	1·1	22	1·4	10	1·2	29	3·0	29	3·6	27	4·3	26	2·8	25	0·9	22	0·8	22	1·5	31	1·2	27	2·1	26	1·9	26	1·8	2·3
22	29	2·0	27	1·2	21	1·2	10	1·4	29	1·8	28	3·3	27	3·3	26	2·2	25	1·7	22	1·3	23	1·6	31	0·9	26	1·9	26	2·2	26	1·2	2·2
23	28	2·3	27	1·2	24	1·7	10	1·3	29	3·6	28	2·6	27	3·6	27	3·1	25	2·3	22	1·6	24	2·2	30	1·6	26	1·5	26	1·0	26	1·1	2·4

r = retrograde. d = direct.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for OCTOBER 1927.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART for the MONTH of OCTOBER 1927.

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	1·75	44·5	37·1	7
	3	Belmont	50	1·99	50·5	50·0	8
	4	Poudre d'Or	20	2·43	61·7	44·4	8
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	..
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	2·56	65·0	65·0	11
	10	Mont Piton	360	2·14	54·4	67·6	9
	11	Mon Choix	700	2·29	58·2	63·2	8
	12	Autcinette§	640	2·06	51·0	64·3	7
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	2·50	63·5	94·0	5
	15	Mon Songe	620	1·52	38·6	70·9	5
	16	La Grande Rosalie§ ...	640	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	1·58	40·1	54·6	8
	19	The Observatory ...	179	1·49	37·9	32·5	14
	20	Solitude§	175	...	...	...	...
	21	St André	90	1·14	29·0	29·7	4
	22	Belle Vue Harel§ ...	350	...	..	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trébuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ ...	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E.§ ...	600	...	...	...	..
	2	Constance d'Arifat L.G.	100	1·83	46·5	47·5	7
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	...	...	...	...
	5	Constance (Manès)§ ...	..	...	...	...	..
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	2·56	65·0	...	11
	10	St. Julien E(K Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	4.21	106·9	89·7	15
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	4·05	101·7	...	21
5	1	Rose Belle§	850	..	...	...	...
	2	Riche-en-Eau§	460	...	..	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	..	...	...	...
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	1·52	38·6	...	7
	10	Bananes Estate§ ...	..	..	...	...	...
6	1	Kanaka	2,000	4·20	106·7	164·8	13
	2	Tivoli*	1,300	...	...	..	..
	3	La Flora*	1,050	3·18	80·8	...	14
	4	Britannia	730	3·36	85·3	114·6	13
	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	3·10	78·7	...	10
	10	Terracine§	1000	...	...	.	...
	11	St. Félix S.E.§	...	..	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	..	...	...	...
	14	Union S. E.*	...	1·38	35·1	...	11
	15	Fontenelle*	...	1·84	46·7	...	5
	16	Combo§	..	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre§	40	...	...	...	...
	3	Beau Champ§	...	...	...	...	...
	4	Board§	...	...	.	...	...
	12	Tamarin Station§ ..	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	..	...
	14	Albion Station§ ...	72	..	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ..	1,840	4·84	122·9	113·3	26
	3	Mare aux Vacoas ...	1,850	5·78	146·8	126·7	15
	4	La Marie Filter Bed ...	1,700	4·35	110·5	96.8	21
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse§	850	...	...	...	...
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma§	1,460	..	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands§	1,300	...	...	...	...
	7	Trianon	950	1·51	38·4	46·2	12
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	0·42	10·7	...	7
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	1·32	33·5	54·6	13
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin*	..	..	...	...	...
	15	Hermitage§	...	...	...	...	..
	16	Côte d'Or	...	2·30	60·5	...	7
	17	Mon Repos§	...	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute§	...	0·00	00·0	...	0

§ Records not received

* Normals not available.

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of OCTOBER 1927

Type / Day	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulu		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
	h		°		°		°		°		°			h		°		°		°		°		°		°
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	9¾	...	...	300	8·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	14	...	...	270	2·9	...	...	...	...	...	...	...	...
5	10¼	...	...	240	8·7*	...	...	...	...	...	...	...	...	14¾	315	11·9	60	3·4	...	...	...	...	...	...	...	...
6	10	300	11·9	300	7·5	...	...	...	...	...	...	...	...	15¼	300	11·4	...	...	...	...	...	...	...	...	...	...
7	9¾	...	...	300	9·8*	...	...	...	...	...	...	...	...	14¼	300	8·3	300	6·0	...	...	...	...	...	...	...	...
8	9¼	...	...	285	7·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	330	10·7*	...	...	...	...	...	...	...	...	14¼	285	11·7	270	5·1	255	—	...	...	...	...	...	...
11	8¾	...	...	300	10·1	...	...	...	...	...	...	90	2·7	...	...	...	300	11·4*	...	...	...	...	...	...	...	...
12	...	...	...	285	10·7*	...	...	...	...	...	...	...	...	15¼	300	6·7	270	5·1	...	...	...	...	...	...	...	...
13	8¼	285	22·6	195	6·6	...	...	...	...	...	...	...	...	13½	...	...	150	2·3	...	...	...	...	...	...	...	...
14	10¼	...	...	270	6·4*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	9½	...	...	300	10·1*	...	...	...	...	...	...	...	...	14¾	30	2·7	270	2·0	...	...	...	...	...	...	...	...
16	...	...	...	285	8·4*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	10	...	...	300	5·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	315	5·5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	10	...	...	240	7·9	...	...	...	...	...	...	...	...	13¼	...	...	240	6·7	...	...	...	...	...	...	...	...
20	11¾	...	...	180	8·4	195	8·8	195	7·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	10¼	330	10·9	...	...	...	...	...	...	...	...	120	2·8	...	...	...	...	...	...	...	...	...	...	...	...	...
23	8¾	300	19·9	285	10·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	11¾	...	...	255	9·3	...	...	120	0·9	...	...	120	1·3	15¼	...	...	330	10·6*	60	0·5	...	...	...	...	60	3·5*
25	8½	285	19·0	330	5·9*	...	...	...	...	...	...	120	5·7	...	...	...	...	...	...	...	...	...	...	...	...	...
26	9½	...	...	270	5·6*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	10¼	...	...	270	7·8*	...	...	...	...	...	...	...	...	15¼	255	6·6	270	4·8	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	8½	300	13·4	300	23·0	...	...	...	...	...	...	120	1·6	...	...	...	330	5·6	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	14½	...	...	...	...	...	...	...	...	140	3·1*	135	2·7
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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NEW SERIES (MONTHLY). VOL. XIII. PART 11 PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

NOVEMBER 1927

R. A. WATSON, B.A., F.R. MET. SOC.,

DIRECTOR.

Published by Authority of His Excellency the Governor

PORT LOUIS

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of NOVEMBER 1927.

Month and Day. 1927	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.) K*†	Daily Range of.† Declination.	Horizontal Force (Unit 1 γ)	Vertical Force. (Unit 1 γ)
	° ′					
1	11·34.1	·22812	.00029	7·0	35	21
2	34·7	817	—	9·6	33	—
3	34·6	810	—	7·0	13	—
4	34·0	817	·00026	9·2	22	19
5	34·6	815	27	5·0	23	19
6	35·1	819	25	7·8	25	25
7	34·7	826	23	7·4	31	25
8	34·2	824	26	11·0	42	21
9	33·8	816	25	11·4	22	27
10	34·3	821	24	12·2	31	28
11	34·1	814	22	14·2	30	30
12	35·1	810	23	8.4	41	23
13	34·5	804	25	9·6	17	23
14	34·9	808	20	10·4	17	31
15	35·0	814	19	9·6	39	27
16	34·9	815	20	8·4	21	20
17	35·2	817	21	6·4	20	11
18	35·7	814	17	8·2	87	33
19	35·9	774	29	7·4	17	19
20	35·1	782	24	9·0	28	25
21	35·9	783	23	7·4	27	28
22	35·5	792	22	7·0	29	18
23	36·3	793	20	7·8	13	26
24	36·2	800	19	7·2	25	26
25	35·6	805	22	8·2	17	18
26	36·5	814	19	9·8	24	22
27	36·2	810	16	15·0	17	37
28	36 5	808	21	12·0	30	23
29	36·4	799	21	11·8	48	20
30	36·6	782	24	8·0	61	9
...	...	...	...	...	...	...
Mean	11·35·21	·22807	·00023	9.11	29·5	23·4

Description of the Principal Magnetic Disturbance

The month as a whole was very quiet. At 09.25 on the 8th H rose about 25 γ in about 20 minutes and a sudden though small increase of V occured.

The biggest disturbance of the month began at 08.40 on the 18th.

The 29th and 30th were somewhat disturbed.

Pulsations of V were prominent about the following times 1d 22d. 3d 22d, 4d 24h; 6d 13h and 21h; 8d 3h and 20h; 9d 2h, 15d 4h; 16d 14h; 17d 3h; 19d 24h, 26d 22h,

Γ=* : Mean Dip=θ=* (X=·22342 : Y=—·04572 : Z=*).

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

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of NOVEMBER 1927

Declination (West)		Horizontal Force (C.G.S. Uni		Dip (South). A. M. Observations		Resulting Vertical Force	P. M Observations.		Resulting Vertical Force
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value	
h m	° ′	h m		d h m	° ′		d h m	°	
Nov. 10·8·41	11·37·48	Nov. 7· 9·20	·22826	Nov. 3.11.42	52·31.56	—	Nov.		—
10·11.46	11·28·22	7·14·24	·22838	8· 9· 55	52·30·12	—	9·14·29	52·40·28	—
16· 9.36	11·37·99	12· 9·25	·22819	10·11· 56	52·35·94	—	16·12·39	52·27·25	—
16·12·50	11.31.75	12·12·27	·22845	16· 9·50	52·24·06	—	23·13·07	52·34·75	—
23. 9·27	11.38.13	18·10·30	·22837	21·11·20	52·29·25	—			—
23·12·56	11.32.94	18·14·15	·22835	28. 9 37	52.22.62	—			—
28· 9·41	11.40.92	24· 9.38	·22806			—			—
28.12.47	11·31·58								

*See note at foot of Table V.

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

NOVEMBER 1927.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	11° +																
Midnight	35·0	34·6	34·6	35·2	35·2	35·0	35·4	35·0	34·4	34·4	35·0	35·4	35·6	35·6	35·2	35·6	Midnight
1h	34·8	34·8	35·0	35·0	36·0	35·6	35·6	35·2	34·6	35·0	35·2	35·6	35·6	35·8	35·4	35·6	1h
2	34·6	34·8	35·2	34·8	36·0	35·8	35·6	35·4	35·0	35·4	35·4	35·6	35·2	35·8	35·4	35·4	2
3	34·4	34·8	35·4	34·8	36·0	36·0	35·6	35·6	35·4	36·0	35·8	36·0	35·2	35·8	35·4	35·6	3
4	34·8	34·8	35·4	34·6	35·6	36·0	35·8	36·0	35·4	36·0	36·0	36·0	35·6	35·8	35·6	35·6	4
5	35·4	35·0	35·6	35·0	35·0	36·2	36·0	36·2	35·4	36·2	36·2	36·2	35·8	36·0	35·8	35·8	5
6	34·6	35·6	35·8	35·6	34·4	37·0	37·0	37·6	36·2	37·6	37·4	36·4	35·0	36·6	36·2	36·2	6
7	36·4	38·4	37·0	37·0	35·6	38·6	39·2	40·0	39·0	40·0	40·0	37·0	37·0	39·0	38·4	38·0	7
8	37·4	39·8	37·4	38·0	36·0	39·4	39·2	39·2	39·6	39·8	40·6	38·4	38·0	40·4	40·0	38·2	8
9	37·0	39·8	37·2	37·8	37·0	38·8	36·4	36·0	37·0	37·0	38·0	38·2	37·8	39·6	40·0	38·4	9
10	36·4	38·4	37·0	36·0	36·0	37·6	34·0	33·8	34·2	34·0	35·0	38·0	37·0	37·8	38·0	37·8	10
11	35·0	36·2	35·6	34·4	35·0	35·0	32·6	31·0	30·2	31·6	32·4	37·0	34·2	35·6	35·4	35·8	11
Noon	32·4	34·0	34·0	32·4	33·8	33·4	32·0	30·0	28·6	28·0	30·0	34·0	32·2	33·6	34·0	34·0	Noon
13h	30·8	31·4	32·2	30·0	32·8	32·0	31·8	29·0	28·2	27·8	27·6	30·8	29·8	31·8	31·4	31·6	13h
14	30·4	30·2	31·6	28·8	32·4	31·6	31·8	29·4	28·2	28·0	26·4	30·0	28·4	30·2	30·4	30·2	14
15	30·6	30·4	30·4	28·8	32·0	31·8	32·2	30·6	30·0	29·8	27·2	30·2	29·4	30·0	30·6	30·0	15
16	31·2	31·4	31·4	30·2	32·2	32·6	33·4	32·2	31·8	32·0	29·4	31·4	31·6	30·4	32·0	31·0	16
17	33·0	33·2	33·2	33·0	33·0	34·2	34·0	34·0	34·0	35·0	33·0	34·0	34·2	32·2	33·4	32·6	17
18	33·8	34·0	33·6	34·0	33·6	34·2	34·2	34·4	34·2	35·6	34·0	34·8	35·4	34·0	34·2	34·0	18
19	34·0	34·0	33·8	34·0	34·0	34·2	34·0	34·4	33·8	34·8	34·2	35·4	35·4	34·6	34·2	34·8	19
20	34·2	34·0	34·0	34·0	34·2	34·0	34·0	34·2	33·8	34·4	34·4	35·4	35·2	34·4	34·4	35·0	20
21	34·4	34·0	34·2	34·2	34·6	34·0	34·0	34·0	33·8	34·4	34·4	35·8	35·2	34·4	34·6	35·4	21
22	34·4	34·2	35·0	34·4	34·6	34·2	34·2	34·2	34·0	34·6	34·4	35·6	35·2	34·4	34·8	35·4	22
23	34·6	34·2	35·2	34·6	34·6	34·4	34·4	34·4	34·2	35·0	35·0	35·8	35·2	34·6	35·2	35·8	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour
	11° +																
Midnight	35·8	35·4	38·0	36·2	36·4	36·6	36·0	36·0	36·2	36·2	36·4	37·2	36·8	37·8	...	35·7	Midnight
1h	35·8	35·6	37·4	35·8	36·0	35·8	36·2	36·2	36·2	36·4	36·0	36·6	36·8	37·4	...	35·8	1h
2	35·8	35·6	37·8	35·6	35·4	36·0	36·4	36·4	36·2	36·6	36·0	37·0	37·0	37·2	...	35·8	2
3	35·8	35·8	37·0	35·2	35·6	36·0	36·6	37·0	36·4	37·0	36·8	37·4	37·0	37·4	...	36·0	3
4	36·2	35·8	36·8	35·0	35·8	36·2	37·0	37·0	36·8	37·4	36·6	37·8	38·0	37·6	...	36·1	4
5	36·2	36·0	36·8	35·2	36·2	36·4	37·2	37·0	37·2	37·8	37·4	38·0	38·8	38·4	...	36·3	5
6	37·0	36·2	36·1	36·0	36·4	37·4	37·8	38·0	37·6	38·4	38·4	38·8	40·0	40·4	...	36·9	6
7	38·4	39·0	37·0	37·2	38·2	38·4	39·6	39·8	38·0	40·8	41·0	40·2	41·8	40·4	...	38·7	7
8	38·2	40·0	39·0	39·0	39·4	38·6	40·0	40·0	38·6	41·2	43·4	41·4	40·8	38·4	...	39·3	8
9	38·0	39·0	39·0	38·8	39·0	37·8	39·4	37·8	38·6	40·6	43·4	42·0	40·0	38·4	...	38·6	9
10	36·6	37·8	38·0	37·8	39·4	36·0	38·0	36·4	38·0	38·6	41·4	40·8	38·0	36·4	...	37·1	10
11	35·0	36·0	36·2	34·8	37·0	33·8	36·0	36·0	36·0	37·0	37·4	37·8	36·0	36·4	...	35·1	11
Noon	33·8	34·4	34·6	32·0	34·4	32·0	34·0	35·4	33·4	34·4	34·0	35·0	34·0	35·6	...	33·1	Noon
13h	32·8	32·0	32·4	30·0	33·0	31·6	33·0	34·4	31·0	32·0	30·2	31·6	31·8	34·4	...	31·3	13h
14	32·0	32·0	31·6	30·0	32·0	32·2	32·2	33·4	30·4	31·4	28·4	30·0	30·4	32·8	...	30·6	14
15	32·6	31·8	31·8	30·8	32·2	32·4	33·8	32·8	30·8	32·0	29·0	31·4	30·0	32·4	...	30·9	15
16	33·6	32·2	32·4	32·2	33·0	33·8	35·0	33·6	32·2	34·0	31·4	32·0	31·6	33·6	...	32·2	16
17	34·0	33·8	35·0	34·4	35·0	35·8	36·0	35·0	34·6	35·4	34·0	34·4	34·0	35·8	...	34·1	17
18	34·2	35·8	35·6	35·6	36·4	36·0	36·4	36·0	36·0	36·0	35·8	35·8	36·0	36·2	...	35·0	18
19	34·2	35·6	36·0	36·0	36·2	36·0	36·0	36·0	36·0	36·0	36·0	36·0	36·8	36·4	...	35·1	19
20	34·4	35·8	36·0	36·0	36·2	35·8	35·8	36·0	36·0	36·2	36·2	36·0	36·6	36·2	...	35·1	20
21	34·4	36·6	36·2	36·0	36·0	36·0	35·8	35·8	36·0	36·2	36·4	36·0	36·4	36·4	...	35·2	21
22	35·0	37·0	36·2	36·0	36·2	36·0	35·8	35·8	36·2	36·4	36·4	36·0	36·4	36·4	...	35·3	22
23	35·0	37·4	36·2	36·2	36·4	36·4	36·0	36·0	36·2	37·0	37·4	36·0	37·0	36·2	..	35·6	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).

NOVEMBER 1927.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	·22000 + (C.G.S. UNIT).																
Midnight	802	806	811	810	827	820	819	820	814	827	805	809	800	800	810	809	Midnight
1h	801	807	812	810	810	822	820	819	818	823	809	810	800	800	810	808	1h
2	807	809	810	810	802	822	821	818	819	829	810	810	804	802	810	809	2
3	806	810	810	809	804	820	821	819	817	830	810	810	805	803	810	809	3
4	807	810	810	810	805	819	822	819	819	830	810	809	803	803	812	809	4
5	807	811	810	812	810	818	822	819	815	828	815	810	803	807	815	810	5
6	808	811	810	813	810	818	820	818	812	823	816	813	813	810	818	810	6
7	807	813	812	813	812	813	821	819	809	820	813	819	809	813	820	813	7
8	809	818	817	816	817	813	828	822	805	817	818	821	811	817	823	817	8
9	814	820	818	821	815	815	834	827	806	816	825	820	810	817	827	820	9
10	820	827	814	830	811	815	839	852	812	822	829	820	811	813	833	823	10
11	823	838	815	831	819	823	848	851	818	830	831	827	813	810	839	829	11
Noon	830	839	814	830	825	830	849	843	818	838	830	823	810	808	833	829	Noon
13h	836	839	810	830	822	835	847	844	820	839	829	829	804	805	827	829	13h
14	830	831	809	827	820	831	836	840	827	832	822	827	799	802	813	820	14
15	817	823	809	822	823	830	823	830	818	829	819	820	796	800	810	819	15
16	810	819	808	818	819	827	820	829	819	820	810	810	800	807	808	814	16
17	807	813	808	811	817	818	820	820	817	811	803	800	803	810	806	816	17
18	807	810	805	810	819	812	820	816	817	808	801	795	804	810	804	812	18
19	808	810	806	810	820	810	819	813	812	809	803	792	802	809	802	810	19
20	808	810	805	812	817	810	818	810	813	809	802	790	800	809	804	809	20
21	806	810	806	813	813	813	818	813	819	809	802	788	801	809	800	808	21
22	803	809	809	817	813	817	818	813	819	809	805	790	801	810	803	809	22
23	804	810	810	812	817	817	818	814	817	809	807	798	801	809	809	813	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day / Hour
	22000 + (C.G.S. UNIT).																
Midnight	818	818	763	789	776	780	788	798	798	805	815	793	806	771	...	803·6	Midnight
1h	821	819	767	790	780	789	789	798	796	807	815	797	810	776	...	804·4	1h
2	820	817	772	789	790	783	789	799	802	808	815	799	808	779	...	805·4	2
3	810	818	771	786	784	785	790	800	804	809	815	799	803	781	...	804·9	3
4	816	817	773	783	780	783	790	801	801	810	811	798	808	787	...	805·2	4
5	815	818	779	780	779	781	790	802	801	810	810	800	810	802	...	806·3	5
6	815	817	773	779	777	782	789	805	805	813	814	802	813	809	...	807·2	6
7	813	813	775	780	780	787	788	808	805	819	814	809	815	811	...	808·1	7
8	819	814	776	780	784	790	788	812	808	820	813	817	809	809	...	810·3	8
9	823	826	779	787	796	797	787	809	810	823	810	820	814	801	...	812·9	9
10	821	831	779	792	800	798	787	807	813	829	814	823	817	792	...	815·8	10
11	822	849	776	798	800	798	789	809	810	827	812	820	809	780	...	818·1	11
Noon	828	851	776	799	798	801	791	804	803	822	806	812	802	771	...	817·1	Noon
13	830	846	773	788	789	803	792	809	800	818	809	816	799	769	...	816·2	13h
14	822	830	769	776	786	807	791	804	808	812	809	812	799	760	...	811·7	14
15	817	830	769	779	777	809	796	800	809	811	808	809	803	750	...	808·5	15
16	813	830	770	781	777	803	800	802	803	811	808	804	806	753	...	806·6	16
17	817	825	773	777	786	799	799	800	802	812	810	807	806	774	...	805·6	17
18	813	785	775	771	781	792	797	791	803	812	810	808	798	778	...	802·1	18
19	812	794	780	779	779	788	797	789	805	811	810	808	779	778	...	801·5	19
20	812	794	779	774	779	784	797	787	807	812	810	808	770	779	...	800·6	20
21	813	789	772	772	773	786	797	789	805	810	809	809	769	781	...	800·1	21
22	813	780	775	776	777	786	798	789	807	808	807	810	770	788	...	801·0	22
23	812	764	777	778	773	786	797	789	806	810	798	806	770	785	...	800·5	23

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

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

NOVEMBER 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	K + (10—5 C.G.S. UNIT.)																
Midnight	31	30	...	28	29	27	26	25	28	27	28	27	27	28	22	23	Midnight
1h	32	30	...	28	28	28	26	25	28	26	28	27	27	28	22	23	1h
2	31	30	...	28	30	28	26	26	27	26	27	26	26	27	22	23	2
3	30	30	...	29	30	28	27	27	27	26	27	27	26	27	22	23	3
4	30	30	...	29	30	29	27	28	27	27	27	27	26	27	22	23	4
5	31	30	...	30	30	30	29	29	29	27	28	28	26	27	23	23	5
6	32	32	...	31	30	32	31	31	31	30	30	28	29	29	24	25	6
7	37	39	...	33	33	36	37	38	38	34	33	30	32	33	29	27	7
8	39	39	...	32	37	36	34	35	39	33	31	30	36	35	30	26	8
9	38	34	...	30	36	33	26	28	33	28	24	29	33	30	27	27	9
10	32	...	...	22	33	28	21	21	25	21	13	28	31	25	21	23	10
11	28	...	...	19	31	23	17	19	17	17	08	27	25	22	13	20	11
Noon	24	...	20	17	26	20	13	17	12	10	05	18	18	14	07	13	Noon
13h	20	...	14	14	19	14	13	19	12	06	03	09	16	08	04	07	13h
14	18	...	13	15	18	11	12	19	13	10	07	07	13	04	03	07	14
15	21	...	18	18	19	13	12	21	17	17	10	10	15	04	08	10	15
16	24	...	22	22	20	16	19	24	20	23	19	13	20	05	11	13	16
17	29	...	26	27	20	18	23	29	23	30	23	19	25	08	15	16	17
18	29	...	26	27	21	21	23	28	23	29	26	22	27	13	18	18	18
19	27	...	26	27	23	22	23	27	23	26	24	22	23	17	18	19	19
20	27	...	26	27	25	23	23	26	25	26	24	23	23	18	19	19	20
21	28	...	26	27	26	25	24	27	25	27	26	25	26	18	20	20	21
22	29	...	28	27	27	25	25	28	26	28	27	27	27	20	22	21	22
23	30	...	28	28	27	26	25	28	27	28	27	27	27	22	23	21	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. \ Hour.
	K + (10—5 C.G.S. UNIT.)																
Midnight	22	22	28	25	24	25	24	22	23	22	22	22	22	27	...	25·2	Midnight
1h	21	23	28	23	23	23	23	22	23	22	21	21	22	27	...	24·9	1h
2	22	22	29	23	23	23	23	22	23	21	21	22	22	27	...	24·9	2
3	23	22	28	25	23	24	23	22	21	21	22	22	22	27	...	25·0	3
4	25	23	30	27	26	25	23	23	22	21	21	22	23	27	...	25·6	4
5	23	23	28	27	27	26	24	23	23	22	22	22	23	27	...	26·1	5
6	25	24	28	29	29	27	27	24	24	25	26	24	26	29	...	27·9	6
7	27	29	31	31	33	30	30	28	29	30	30	28	30	26	...	31·5	7
8	26	27	37	33	35	27	31	27	30	31	32	32	28	23	...	31·9	8
9	26	20	42	30	32	26	27	21	30	26	28	32	26	23	...	29·0	9
10	24	17	40	26	29	20	23	16	27	21	23	30	22	23	...	24·5	10
11	20	07	35	21	25	17	22	14	23	16	10	23	14	23	...	19·9	11
Noon	18	00	33	16	20	16	15	07	19	10	—02	18	13	24	...	15·0	Noon
13h	16	—04	30	10	12	14	13	02	13	09	—05	10	12	23	...	11·4	13h
14	16	—03	27	08	07	13	10	03	12	10	—05	09	11	21	...	10·6	14
15	16	—01	26	16	10	12	07	10	13	11	—03	12	10	20	...	12·6	15
16	19	03	23	20	14	15	05	12	19	13	02	17	12	21	...	15·9	16
17	20	10	24	25	19	20	11	17	21	17	11	20	17	22	...	20·0	17
18	20	18	25	27	23	21	15	22	23	18	16	20	20	22	...	22·0	18
19	20	20	25	26	25	22	16	22	22	17	17	19	22	22	...	22·0	19
20	20	20	25	25	24	23	18	22	22	19	18	19	22	21	...	22·4	20
21	20	24	27	25	24	24	20	23	22	20	19	20	23	22	...	23·5	21
22	21	25	26	26	25	25	21	24	22	22	20	21	26	22	...	24·5	22
23	21	27	25	25	25	25	22	24	22	23	21	21	27	23	...	24·9	23

* Absolute values cannot be allotted. The figures are consistent apart from instrumental drift throughout the month, but discontinuities may occur between successive months. These will be noted

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of NOVEMBER 1927.

Month and Day 1927	Observations at 10 a.m.								Temperature of the Air.						
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction degrees *	Wind. Velocity.	Highest.	Lowest.	Range	Amount of Cloud (Scale 0—10)	Amount of Rain measured at a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	971·7	21·1	0·8	19·7	91	22·7	290	1·8	Thermometer broken	18·2		7·1	1·7	3·4	27
2	971·2	19·1	0·2	18·7	98	21·4	290	5·8		17·4		7·2	12·0	6·2	48
3	969·0	20·7	1·6	17·7	83	20·1	280	3·6		16·5		4·1	1·4	3·7	29
4	968·3	20·0	0·7	18·7	92	21·4	240	1·3		16·8		10·0	0·5	1·7	13
5	969·3	22·6	1·5	20·0	86	23·2	250	4·9		18·1		0·3	3·5	10·8	84
6	969·2	19·9	0·1	19·7	99	22·7	270	1·3		17·3		6·1	0·3	2·2	17
7	968·8	21·6	1·4	19·1	86	21·9	Calm			15·5		5·2	0·0	7·1	55
8	967·9	23·0	2·0	19·5	81	22·4	300	4·5		17·1		3·1	0·0	11·0	85
9	967·4	22·9	0·8	21·5	92	25·4	280	3·1		18·7		7·2	0·0	7·5	58
10	968·5	21·9	0·7	20·7	93	24·2	260	6·3		19·6		7·3	5·5	0·9	7
11	970·3	22·9	1·8	19·7	82	22·7	260	5·8		19·1		9·2	2·5	10·3	80
12	970·0	22·3	2·1	18·6	79	21·2	290	8·9		18·3		1·0	2·2	10·2	78
13	968·2	22·6	2·7	17·9	75	20·3	230	2·2		16·6		4·1	0·3	9·6	74
14	966·7	20·5	0·9	18·9	90	21·6	230	1·3		17·1		7·2	5·1	1·9	15
15	966·9	24·1	3·1	18·8	72	21·5	Calm			16·4		4·0	1·0	9·0	69
16	968·1	22·2	1·7	19·2	83	22·0	290	0·9		18·2		5·2	0·0	4·6	35
17	966·9	23·4	3·1	18·0	72	20·4	290	4·0		18·0		3·0	0·0	9·8	75
18	964·6	23·8	2·7	19·1	75	21·9	310	7·2		18·1		5·1	0·0	8·9	68
19	962·8	22·1	0·2	21·7	94	25·7	310	8·1		18·1		7·2	12·9	4·9	37
20	966·0	22·8	1·0	21·1	90	24·8	330	0·9		20·1		7·1	6·5	8·5	65
21	967·6	21·6	0·6	20·5	94	23·9	280	7·2		18·7		6·2	2·7	7·6	58
22	967·9	21·9	0·7	20·7	93	24·2	270	7·2		17·8		8·0	0·1	3·1	24
23	967·4	23·3	2·1	19·7	80	22·7	290	3·1		17·1		4·3	0·0	8·1	62
24	968·2	23·1	1·2	21·0	88	24·6	270	5·8		18·8		2·0	0·0	10·0	76
25	969·9	22·9	3·3	17·1	70	19·3	280	7·2		16·4		0·3	0·0	11·8	90
26	969·6	22·2	1·1	20·3	89	23·6	290	7·6		16·3		9·2	0·0	5·1	39
27	969·7	20·4	0·2	20·0	98	23·2	270	6·3		18·8		7·0	12·1	5·6	43
28	969·2	23·4	2·0	19·9	81	23·0	260	4·0		18·6		4·3	1·5	10·7	81
29	968·6	24·6	2·3	20·6	78	24·0	Calm			18·1		6·3	0·0	5·7	43
30	967·9	23·7	2·4	19·5	77	22·4	360	0·5		17·7		5·3	1·7	5·7	43
...	...	...	...	...	...	...	...	...		...		...	...	...	...
Mean	968·3	22·2	1·2	19·6	85·3	22·6	281·0	4·2		17·8		5·4	Sum 73·5	6·85	52·6
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.:

Atmospheric Pressure	+ 42·2 mbs
Temperature of the Air	+ 3·8°C
Vapour Tension	— 1·9 mbs
Relative Humidity	— 23·1%
Direction of Wind	10.8°S
Velocity of Wind	+ 0·1 m.p.s.
Amount of cloud	+ 0·5

Amount of rain	—54·6 mm.
Duration of sunshine	+ 43·4 hrs.
Mean of highest temperatures	...
Mean of lowest temperatures	+ 2·5°C
Absolute highest temperature	...
Absolute lowest temperature	+ 2·4°C

* South 0 West 90 North 180 East 270.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1927.

Month and Day 1927	Atmospheric Pressure: Mean	Atmospheric Pressure: Excess above Average	Temperature of the Air (in degrees Centigrade.): ighest	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)
	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min	mm.	
1	1013·3	+ 2·7	26·3	20·6	5·7	22·9	− 0·2	2·6	18·4	+ 1·4	76	+ 7	21·0	17·6	0·4	35	4·2	8·3
2	1012·3	+ 1·8	25·4	20·0	5·4	22·2	− 0·9	2·5	17·8	+ 0·8	76	+ 7	20·2	17·2	3·0	97	6·8	6·1
3	1010·5	+ 0·1	25·5	19·3	6·2	22·3	− 0·9	3·2	16·7	− 0·4	70	+ 1	18·8	17·6	0·2	5	5·2	4·0
4	1010·1	− 0·2	24·6	19·3	5·3	22·2	− 1·0	2·4	18·0	+ 0·9	77	+ 8	20·4	18·1	0·9	30	2·8	8·0
5	1010·7	+ 0·4	27·1	19·8	7·3	23·4	+ 0·1	4·0	16·5	− 0·7	65	− 4	18·6	16·8	0·0	...	7·0	4·4
6	1010·6	+ 0·4	25·7	19·3	6·4	22·2	− 1·1	2·5	17·8	+ 0·6	76	+ 7	20·2	16·2	0·9	25	3·9	6·0
7	1010·2	+ 0.1	27·8	17·9	9·9	22·9	− 0·5	3·6	16·6	− 0·7	68	− 1	18·7	12·2	0·0	...	6·0	4·2
8	1009·5	− 0·6	28·7	19·3	9·4	23·7	+ 0·3	3·5	17·7	+ 0·4	69	+ 1	20·1	16·8	0·0	...	6·0	4·7
9	1009·0	− 1·0	27·8	20·1	7·7	23·9	+ 0·4	2·5	19·6	+ 2·2	77	+ 9	22·6	18·8	0·0	...	5·0	5·6
10	1010·2	+ 0·2	26·9	22·0	4·9	23·9	+ 0·3	2·2	20·1	+ 2·7	79	+ 11	23·3	20·9	3·0	40	5·9	9·1
11	1011·7	+ 1·8	27·7	22·0	5·7	24·2	+ 0·6	2·6	19·7	+ 2·2	76	+ 8	22·7	18·9	0·5	10	5·7	5·8
12	1011·5	+ 1·7	27·8	20·0	7·8	23·6	− 0·1	3·4	17·8	+ 0·3	70	+ 2	20·2	18·6	0·0	...	7·6	3·9
13	1009·8	0·0	27·7	20·1	7·6	23·4	− 0·3	3·3	17·7	+ 0·1	71	+ 3	20·1	17·6	0·0	...	6·6	5·0
14	1008·6	− 1·1	26·1	19·2	6·9	22·8	− 1·0	2·4	18·6	+ 1·0	77	+ 9	21·2	15·4	0·3	10	4·3	6·5
15	1008·9	− 0·8	28·3	18·3	10·0	23·5	− 0·3	3·0	18·3	+ 0·6	72	+ 4	20·8	15·3	0·0	...	4·8	4·5
16	1009·5	− 0·1	27·7	19·7	8·0	23·5	− 0·4	2·8	18·6	+ 0·9	74	+ 5	21·2	17·1	0·0	...	4·6	5·1
17	1008·5	− 1·0	29·0	19·2	9·8	23·9	0·0	3·5	17·9	+ 0·1	69	0	20·3	17·6	0·2	10	7·2	5·2
18	1006·2	− 3·3	29·0	19·8	9·2	24·7	+ 0·7	3·6	18·6	+ 0·7	69	0	21·2	17·7	0·0	...	7·0	4·5
19	1004·5	− 4·9	28·7	23·0	5·7	25·1	+ 1·0	2·5	20·8	+ 2·9	77	+ 8	24·3	21·3	0·9	30	5·2	7·9
20	1006·9	− 2·4	30·1	22·2	7·9	25·5	+ 1·4	3·8	19·0	+ 1·0	68	− 1	21·8	18·6	0·0	...	7·0	4·4
21	1009·1	− 0·2	28·0	21·4	6·6	23·9	− 0·3	2·7	19·3	+ 1·3	76	+ 7	22·2	19·6	0·0	...	7·5	5·3
22	1009·1	− 0.1	27·2	21·2	6·0	23·6	− 0·7	3·5	17·6	− 0·5	69	0	19·9	19·6	0·0	...	7·2	6·5
23	1009·4	+ 0·3	27·2	19·5	7·7	23·5	− 0·8	4·0	16·6	− 1·6	65	− 4	18·7	15·9	0·0	...	8·0	3·7
24	1010·6	+ 1·6	27·8	19·3	8·5	23·2	− 1·2	3·6	16·9	− 1·4	68	− 1	19·0	14·8	0·0	...	7·4	3·4
25	1011·8	+ 2·8	28·2	20·3	7·9	23·8	− 0·6	4·4	16·2	− 2·1	62	− 7	18·2	19·3	0·0	...	9·0	2·8
26	1011·7	+ 2·8	27·2	21·7	5·5	23·7	− 0·8	2·3	19·7	+ 1·3	78	+ 9	22·7	19·8	6·0	77	6·6	7·1
27	1011·0	+ 2·1	27·3	21·6	5·7	23·7	− 0·9	2·0	20·3	+ 1·8	81	+ 12	23·6	20·2	0·1	5	6·0	6·3
28	1010·9	+ 2·1	28·5	21·6	6·9	24·4	− 0·2	2·7	19·8	+ 1·2	76	+ 6	22·9	20·1	0·2	5	7·4	5·2
29	1010·7	+ 2·0	31·0	21·1	9·9	24·5	− 0·2	2·1	20·9	+ 2·2	81	+ 11	24·5	19·5	2·1	35	4·3	6·8
30	1010·4	+ 1·8	29·6	21·1	8·5	24·0	− 0·7	2·2	20·2	+ 1·4	79	+ 9	23·4	19·4	0·2	5	3·8	7·7
...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1009·9	+ 0·3	27·6	20·3	7·3	23·6	− 0.3	3·0	18·4	− 0·6	73·0	+ 4·2	21·1	17·9	Sum 18·9	Sum 419	6·0	5·6
Aver.	1009·6	...	28·7	19·6	9·1	23·9	...	3·6	17·8	...	68·8	...	20·2	16·5	40·2	744	6·7	4·9
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF NOVEMBER 1927.

With the exception of a negative wave, due to the passage of a cyclone probably of feeble intensity and certainly of small diameter, between Rodrigues and Mauritius on the morning of the 20th, pressure was generally above normal throughout the month and 0·3 mbs above in the mean.

The approximate positions of the centre of the cyclone at 9 A.M. were

18th	...	12.3° S	63.0° E
19th	...	16.7° S	61.3° E
20th	...	21.0° S	61.9° E

Temperature was in the mean, about normal while the percentage of relative humidity was generally above average.

The amount of cloud was markedly below normal and the percentage of possible sunshine ranged to practically normal.

At the Observatory, rainfall was 53% below normal and its duration 44% below. The percentage variation for the different districts of the Island was as follows:

Northern Districts	River System 1,	9% below	Western Districts	River System 11	147% above
Eastern Districts	,, ,, 2, 3, 4,	105% above		,, ,, 12	51% below
South-Eastern Districts	,, ,, 5 & 6	169% above		,, 13	No rainfall

January 28 1928.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1927.

Month and Day 1927.	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	6 inches	3 inches	Weather
NOVEMBER	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	
1	5·6	44	− 1·1	+ 3·2	289	3·4	3·5	0·0	23·8	23·8	24·8	25·5	24·9	24·7	cg .
2	10·4	81	− 2·5	+ 4·9	297	5·5	5·6	+ 2·1	24·0	23·6	24·8	25·5	24·7	24·6	cg : f .
3	7·5	59	− 1·4	+ 2·8	297	3·1	3·4	− 0·1	24·0	23·6	24·8	25·5	24·5	24·2	b: c : b .
4	2·6	20	+ 0·2	+ 2·8	266	2·8	3·0	− 0·5	23·8	23·9	24·8	25·1	24·2	23·9	b : og .
5	10·5	81	− 1·2	+ 3·0	292	3·2	3·3	− 0·2	24·0	23·9	24·7	25·0	24·6	24·9	cg : b .
6	2·5	19	− 0·7	+ 2·2	288	2·3	2·6	− 0·9	24·1	23·9	24·7	25·3	24·7	24·5	b: cg : f .
7	8·1	63	− 0·9	+ 2·4	291	2·6	2·7	− 0·7	24·0	23·9	24·7	25·1	24·4	24·3	b: f .
8	7·2	56	− 2·3	+ 2·0	319	3·0	3·4	0·0	24·0	23·9	24·8	25·3	24·8	24·9	f .
9	8·7	68	− 1·5	+ 3·7	292	4·0	4·2	+ 0·8	23·8	23·9	24·8	25·5	25·1	25·2	b: c : f .
10	5·9	46	− 0·5	+ 5·4	275	5·4	5·5	+ 2·1	24·0	24·0	24·9	25·6	25·3	25·2	cg .
11	10·9	84	− 0·3	+ 4·2	274	4·2	4·3	+ 0·9	24·1	23·9	24·9	25·7	25·2	25·3	f : c .
12	11·3	87	− 2·1	+ 3·3	303	3·9	4·0	+ 0·6	24·0	23·9	25·0	25·7	25·5	25·6	f
13	10·3	79	− 1·2	+ 2·8	293	3·0	3·2	− 0·2	24·0	23·9	25·0	25·9	25·5	25·7	f .
14	1·4	11	0·0	+ 1·8	270	1·8	2·0	− 1·4	23·8	24·0	25·2	26·0	25·6	25·3	f : cg : f .
15	9·4	72	0·0	− 0·5	90	0·5	2·0	− 1·4	24·0	24·1	25·3	25·6	25·1	25·2	b : cg : f .
16	6·6	51	− 1·0	+ 1·9	298	2·1	2·4	− 1·0	24·1	23·9	25·2	25·6	25·3	25·4	f : c : f .
17	10.2	78	− 1·2	+ 1·4	311	1·8	2·6	− 0·8	24·0	23·9	25·3	25·6	25·5	25·8	f .
18	11·0	84	− 3·5	+ 2·3	327	4·2	4·3	+ 0·9	23·8	24·1	25·3	25·8	26·0	26·3	f : c .
19	5·8	44	− 3·5	+ 2·3	327	4·2	4·3	+ 0·9	24·0	24·4	25·1	26·4	26·9	27·4	c .
20	11·6	89	− 3·2	+ 1·4	336	3·5	3·5	+ 0·1	23·8	24·1	25·7	26·6	27·2	27·7	c : f .
21	9·6	73	− 2·8	+ 3·6	308	4·5	4·6	+ 1·2	23·8	24·1	25·8	26·7	27·1	27·2	f .
22	7·5	57	− 1·8	+ 3·6	297	4·0	4·1	+ 0·7	24·0	24·2	25·9	26·7	26·7	26·4	f : cg .
23	10·7	82	− 1·6	+ 3·3	296	3·6	3·8	+ 0·4	23·8	24·3	26·0	26·5	26·4	26·1	f .
24	11·2	86	− 1·6	+ 3·8	293	4·1	4·2	+ 0·8	24·0	24.3	26·1	26·4	26·1	25·9	f
25	12·5	95	− 2·7	+ 3·6	307	4·5	4·5	+ 1·1	24·1	24·3	26·1	26·5	26·2	26·1	b : f : b .
26	4·7	36	− 2·7	+ 4·3	302	5·1	5·2	+ 1·8	23·8	24·2	26·1	26·7	26·5	26·6	b : cg .
27	10·4	79	− 2·5	+ 5·1	296	5·7	5·7	+ 2·3	24·1	24·4	26·2	26·8	26·6	26·3	f .
28	11·7	89	− 1·1	+ 3·3	288	3·5	3·6	+ 0·2	24·1	24·4	26·2	26·7	26·6	26·5	f .
29	7·4	56	+ 0·5	+ 1·3	249	1·4	1·9	− 1·5	24·0	24·4	26·3	26·8	26 8	26·6	f : cg .
30	5·8	44	− 0·9	+ 1·5	301	1·7	3·0	− 0·4	24·1	24·4	26·3	26·7	26·5	26·2	cg .
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Mean	8·30	63·8	− 1·50	+ 2·89	297·4	3·26	3·68	+ 0·26	23·96	24·05	25·37	25 97	25·68	25·67	...
Average	8·79	67·5	− 0·25	+ 2·63	275·4	2·64	3·42		24·42	24·84	25·45	26·07	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF NOVEMBER 1927.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1014·7mbs	at	21h	on 1st	1003·1 mbs	at	15h & 16h	on 19th
Temperature of the Air	31·0C	at	12·00h	on 29th	17·9C	at	05·30h	on 7th
Daily range of temperature of the Air...	10·0C		...	on 15th	4·9C		...	on 10th
Temperature of the Dew Point	22·0C	at	17h	on 29th	13·9C	at	11h	on 5th
Daily range of temperature of the Dew Point	4·3C	...	...	on 12th	1·8C	...	on 16th, 19th, 22nd and 24th	
Relative humidity...	95·9%	at	22h	on 26th	45·7%	at	14h	on 25th
Wind Velocity	8·2 m.p.s.	at	·13h	on 2nd	0·6 mps	at	often	on often
Rainfall	6·1 mm	ending	3h	on the 27th	..		...	...
Temperature of the soil at 3 ins. ...	29·9C	at	·18h	on 20th	22·6C	at	6h	on 7th
, at 6 ns. ...	28·4 C	at	·21h	on 20th	23·6C	at	9h	on 7th
Duration of sunshine	12·5 hrs.		...	on 25th	1·4hrs		...	14th
Amount of Evaporation in 24 hours	9·0 mm.		...	on 25th	2·8 m.m		...	on 4th
Vapour Tension	26·2 mbs	at	17h	on 29th	15·7 mbs	at	11h	on 5th
Minimum on Grass	...		...	...	12·2°C		...	on 7th

Number of Days Overcast, 6 Clear 1, of Rain 15 of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air, 25·57C. Average 26·34C Mean Night Temperature of Air, 21·64C. Average 21·30oC.

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

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

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

NOVEMBER 1927.

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

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour
Midnight	0131	0136	0116	0102	0112	0112	0107	0108	0095	0099	0121	0127	0114	0091	0089	0101	Midnight
1h	0130	0130	0112	0100	0107	0107	0101	0100	0090	0093	0116	0120	0110	0088	0082	0099	1h
2	0128	0127	0110	0099	0101	0101	0097	0099	0083	0092	0112	0117	0102	0081	0080	0095	2
3	0128	0125	0109	0095	0100	0100	0093	0093	0080	0091	0112	0113	0101	0079	0080	0091	3
4	0128	0126	0110	0098	0100	0100	0100	0091	0079	0092	0111	0110	0100	0081	0080	0090	4
5	0129	0129	0109	0100	0107	0101	0101	0091	0081	0091	0113	0111	0102	0082	0081	0090	5
6	0131	0131	0111	0103	0111	0109	0103	0099	0085	0099	0118	0119	0104	0088	0089	0094	6
7	0134	0135	0114	0105	0118	0112	0109	0100	0091	0101	0119	0121	0109	0091	0092	0099	7
8	0140	0140	0118	0112	0119	0114	0111	0101	0095	0102	0120	0123	0110	0093	0096	0100	8
9	0141	0140	0119	0110	0120	0119	0113	0101	0097	0102	0120	0123	0110	0096	0096	0101	9
10	0138	0134	0116	0102	0117	0115	0110	0100	0093	0103	0121	0123	0109	0092	0092	0100	10
11	0137	0130	0112	0101	0111	0110	0105	0100	0091	0101	0120	0120	0101	0090	0090	0099	11
Noon	0132	0121	0108	0100	0105	0110	0101	0098	0091	0100	0116	0118	0098	0090	0084	0098	Noon
13h	0127	0116	0100	0093	0100	0100	0093	0091	0086	0099	0110	0109	0091	0082	0081	0090	13h
14	0121	0110	0093	0090	0093	0093	0088	0084	0080	0091	0104	0103	0087	0079	0080	0082	14
15	0120	0107	0088	0090	0091	0090	0085	0080	0079	0090	0104	0100	0083	0076	0079	0081	15
16	0120	0104	0084	0089	0089	0090	0085	0075	0080	0091	0105	0100	0082	0071	0079	0080	16
17	0124	0110	0087	0090	0092	0093	0089	0080	0080	0097	0109	0102	0081	0073	0081	0085	17
18	0130	0115	0092	0096	0100	0100	0096	0088	0087	0102	0116	0109	0088	0080	0090	0090	18
19	0138	0121	0100	0101	0112	0108	0103	0096	0095	0110	0121	0114	0091	0088	0094	0099	19
20	0146	0121	0104	0109	0116	0111	0112	0100	0101	0119	0125	0119	0099	0090	0101	0101	20
21	0147	0123	0109	0112	0120	0113	0113	0101	0103	0120	0130	0120	0100	0091	0104	0108	21
22	0144	0123	0111	0114	0120	0114	0114	0102	0107	0126	0131	0120	0100	0091	0107	0110	22
23	0141	0120	0107	0117	0119	0113	0112	0100	0102	0125	0130	0120	0099	0090	0104	0107	23

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

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Hour
Midnight	0100	0080	0055	0060	0086	0100	0099	0103	0119	0127	0122	0118	0115	0111	..	1010·5	Midnight
1h	0091	0075	0050	0059	0082	0092	0091	0099	0113	0120	0115	0113	0110	0107	...	1010·0	1h
2	0087	0073	0041	0057	0079	0087	0087	0097	0111	0114	0110	0110	0103	0099	...	1009·6	2
3	0084	0069	0037	0054	0077	0081	0085	0096	0110	0111	0104	0106	0101	0093	...	1009·3	3
4	0084	0066	0038	0057	0080	0080	0086	0093	0111	0110	0104	0106	0100	0096	...	1009·4	4
5	0088	0068	0037	0058	0082	0081	0088	0097	0113	0112	0105	0109	0101	0099	...	1009·5	5
6	0091	0070	0040	0064	0090	0089	0092	0101	0120	0115	0110	0113	0107	0101	...	1010·0	6
7	0098	0071	0048	0070	0099	0092	0097	0108	0124	0119	0116	0117	0110	0104	...	1010·4	7
8	0100	0074	0050	0075	0100	0093	0099	0111	0128	0124	0117	0117	0110	0109	...	1010·7	8
9	0098	0072	0050	0077	0101	0095	0100	0111	0128	0128	0120	0118	0111	0108	...	1010·8	9
10	0093	0069	0050	0077	0100	0097	0101	0110	0124	0125	0117	0114	0110	0105	...	1010·5	10
11	0090	0065	0042	0073	0098	0092	0100	0110	0121	0120	0113	0112	0106	0101	...	1010·2	11
Noon	0084	0059	0040	0071	0095	0092	0093	0103	0119	0117	0109	0108	0103	0100	..	1009·9	Noon
13h	0079	0051	0033	0064	0087	0089	0090	0100	0110	0112	0101	0103	0100	0093	...	1009·3	13h
14	0070	0050	0033	0061	0083	0082	0088	0098	0107	0111	0098	0099	0098	0091	...	1008·8	14
15	0067	0043	0031	0059	0080	0080	0082	0094	0103	0108	0098	0095	0098	0089	...	1008·6	15
16	0068	0043	0031	0058	0080	0080	0080	0091	0103	0105	0095	0093	0098	0094	...	1008·5	16
17	0073	0045	0033	0061	0082	0083	0086	0100	0109	0109	0097	0098	0100	0100	...	1008·8	17
18	0077	0050	0041	0070	0089	0089	0091	0109	0114	0111	0101	0100	0106	0106	...	1009·4	18
19	0080	0059	0051	0077	0098	0097	0100	0113	0119	0117	0107	0106	0110	0112	...	1010·1	19
20	0083	0060	0059	0082	0101	0100	0103	0120	0125	0121	0116	0111	0113	0119	...	1010·6	20
21	0087	0062	0060	0086	0106	0100	0108	0120	0129	0125	0118	0116	0116	0121	...	1010·9	21
22	0088	0065	0061	0090	0109	0102	0111	0120	0131	0129	0121	0120	0119	0122	...	1011·1	22
23	0081	0063	0061	0090	0104	0105	0107	0121	0130	0125	0121	0118	0117	0121	...	1010·9	23

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

Hour. \ Day.	November 1927.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Mean.
Midnight	7	9	1	1	10	1	1	5	0	9	2	3	2	5	0	4	5	0	6	8	0	1	4	0	1	0	7	6	2	9	...	3·6
1h	9	10	1	1	10	1	1	6	0	10	1	3	10	7	0	5	7	0	5	7	0	1	2	0	1	0	5	7	2	9	...	4·0
2	9	10	1	1	10	1	1	6	0	10	1	2	3	7	0	5	9	0	6	7	0	1	3	0	1	0	3	5	2	9	...	3·8
3	9	10	1	1	10	1	1	8	1	10	1	3	10	8	0	5	10	0	5	7	1	1	2	0	1	0	2	2	1	9	...	4·0
4	6	10	1	2	10	1	1	5	1	9	1	4	9	9	1	3	10	0	10	8	2	1	2	0	1	0	4	5	1	8	...	4·2
5	3	10	2	5	10	1	1	3	1	10	1	4	8	8	3	2	8	0	9	7	7	2	2	1	1	1	6	6	1	8	...	4·4
6	3	8	3	9	10	4	2	2	8	9	2	4	9	8	9	2	5	1	9	6	8	9	5	2	3	9	7	8	8	7	...	6·0
7	5	9	3	8	10	9	3	2	3	10	4	4	8	8	4	2	4	0	9	6	8	9	4	2	4	9	7	6	8	5	...	5·8
8	9	7	3	9	8	9	5	2	9	9	6	6	4	9	5	5	3	1	10	8	10	7	4	2	3	8	8	8	8	7	...	6·4
9	7	8	4	10	1	9	7	1	5	9	8	4	3	10	6	10	1	0	9	8	8	3	4	3	1	9	8	4	7	9	...	5·9
10	10	9	10	10	1	9	6	1	9	10	9	4	2	10	9	10	7	4	10	8	9	6	5	4	0	9	8	7	8	9	...	7·1
11	10	9	9	10	1	9	6	4	8	9	8	4	3	10	6	9	9	6	8	6	7	6	6	6	6	8	9	6	7	8	...	7·1
Noon	10	9	9	10	1	10	9	8	9	9	7	5	3	10	8	9	8	4	10	4	8	9	9	4	5	8	7	5	7	7	...	7·4
13h	8	8	8	10	1	10	6	7	7	10	8	4	7	9	8	9	4	7	9	4	6	8	7	4	8	9	6	6	8	7	...	7·1
14	8	6	8	10	2	10	6	8	9	10	8	8	8	9	8	9	1	8	8	4	5	10	5	5	7	10	6	7	8	8	...	7·3
15	10	3	8	10	2	10	9	9	9	10	8	7	6	10	7	9	4	8	8	3	5	10	5	6	8	10	5	8	9	10	...	7·5
16	10	3	7	10	2	10	7	7	9	9	8	6	5	8	7	8	6	8	10	3	5	9	8	7	7	9	7	8	10	10	...	7·4
17	10	3	6	10	2	10	5	6	10	10	8	5	4	5	7	6	9	9	9	2	5	9	7	8	8	9	8	8	10	9	...	7·2
18	10	3	4	10	2	10	3	4	8	9	9	4	4	4	7	3	9	9	8	2	5	9	4	9	2	9	8	7	10	9	...	6·5
19	10	2	3	10	2	8	3	6	6	10	9	2	3	2	5	2	6	9	7	1	6	10	2	8	1	10	9	5	9	9	...	5·8
20	9	2	2	10	1	5	4	8	4	10	8	1	2	1	2	1	2	9	6	0	7	10	1	5	0	10	10	1	9	9	...	5·0
21	8	1	1	10	1	3	5	4	3	10	10	1	1	0	1	0	0	9	5	0	8	10	0	3	0	10	1	0	8	8	...	4·0
22	9	1	1	10	1	2	4	2	5	7	7	1	2	0	1	1	0	7	6	0	4	9	0	1	0	10	4	0	8	4	...	3·6
23	9	0	1	10	1	1	3	1	7	4	4	6	4	0	2	2	0	6	7	0	2	5	0	1	0	10	7	1	9	1	...	3·5

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

Hour* Ending \ Day.	November 1927.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	5	0	0	0	0	0	5	5	0	0	0	10	10	0	0	15	0	21	0	0	0	7	0	0	15	0	0	0	0	0	...	1·5
7	40	14	55	30	0	16	60	60	46	13	59	60	30	0	38	60	52	60	0	54	36	25	47	60	60	22	23	35	58	40	...	19·2
8	41	36	60	17	25	55	55	60	60	21	60	50	40	2	60	40	58	60	9	54	18	53	60	60	54	43	54	60	57	57	...	23·0
9	48	53	60	45	60	22	60	60	45	46	53	60	60	6	60	30	60	60	18	60	30	60	60	60	60	23	56	60	60	55	...	24·8
10	60	55	58	15	60	16	60	60	58	47	59	60	60	12	44	45	60	60	40	44	50	60	60	60	60	13	52	60	50	2	...	24·0
11	48	60	25	25	60	9	60	60	57	40	30	60	60	0	17	0	58	60	31	55	55	60	60	60	60	24	35	60	50	25	...	21·7
Noon	8	55	0	4	60	0	40	47	18	50	60	60	60	0	57	15	54	60	45	60	58	60	58	60	60	45	55	60	55	29	...	21·6
13h	15	55	0	0	60	0	34	30	28	45	60	60	60	0	22	16	50	60	10	54	45	45	53	59	60	27	60	60	60	33	...	19·4
14	25	60	7	0	60	15	60	15	59	0	60	58	60	0	42	55	60	60	35	55	58	50	40	60	60	4	60	60	47	52	...	21·3
15	28	60	32	0	60	16	30	10	60	14	60	55	60	0	32	40	58	55	34	58	60	8	45	59	60	17	60	60	4	15	...	19·2
16	7	58	60	0	60	0	0	21	40	17	58	58	50	11	59	40	40	50	19	60	52	0	60	45	58	25	60	60	0	0	...	17·8
17	2	60	59	1	60	0	0	6	20	32	50	57	55	20	60	15	52	40	50	60	58	10	30	60	60	16	54	60	0	25	...	17·9
18	7	60	30	21	60	0	18	0	30	30	48	30	2	33	60	20	6	11	45	60	57	10	52	32	60	23	53	60	0	17	...	15·6
19	0	0	0	0	5	0	2	0	0	1	0	0	11	0	12	4	2	0	12	20	0	0	18	0	22	0	4	5	0	0	...	2·0

The total amount of registered sunshine was 249·0 hours and the total possible sunshine 390.1 hours.

* Reckoned from apparent midnight.

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

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

NOVEMBER 1927

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

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

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

NOVEMBER 1927

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	1·2	20·9	2·0	24·1	2·3	23·7	1·8	22·3	1·4	21·8	1·9	22·2	2·2	19·5	1·6	Midnight
1h	19·8	1·1	21·3	2·2	23·9	2·0	23·5	1·6	22·3	1·1	21·3	1·6	21·7	2·0	20·0	1·7	1h
2	19·7	1·1	20·4	1·6	23·8	1·9	23·4	1·4	21·8	1·0	21·3	1·6	21·3	1·9	20·2	1·6	2
3	21·0	1·1	20·0	1·7	23·7	2·0	23·1	1·4	21·6	0·9	21·5	1·8	21·2	1·9	20·0	1·6	3
4	21·4	1·5	21·1	2·2	23·7	1·5	23·0	1·4	21·9	1·0	21·2	1·6	21·2	2·0	19·3	1·3	4
5	21·1	0·7	21·5	2·5	23·1	1·1	22·7	1·6	22·1	1·2	21·3	1.7	21·0	1·9	19·8	1·3	5
6	21·0	0.8	22·1	2·9	23·0	1·0	23·1	1·5	22·1	0·8	21·9	2·0	21·6	2·4	20·3	1·2	6
7	23·5	2·5	24·1	4·0	24·0	1·7	25·0	3·1	23·7	1·8	23·1	3·0	23·9	3·9	23·6	3·4	7
8	25.0	4·1	25·4	4·4	25·1	2·6	25·4	3·3	23·5	1·6	25·0	4·7	24·9	5·2	24·8	4·6	8
9	26.4	5·3	27·0	5·2	26·3	3·2	27·4	4·7	26·0	4·9	26·1	5·1	26·0	5·6	26·0	5·7	9
10	26·2	5·3	27·8	6·1	26·0	2·4	27·1	4·8	26·0	4·1	26·4	5·5	26·5	6·1	26·3	5·8	10
11	26·3	5·0	28·3	6·1	27·1	3·2	29·1	6·8	26·9	4·7	26·3	5·3	26·5	6·1	26·7	6·0	11
Noon	26·9	5·7	28·9	6·5	27·9	4·0	29·5	7·2	27·4	5·2	26·5	5·6	26·9	6·5	26·8	5·5	Noon
13	27·4	6·2	28·5	6·2	28·7	4·7	29·8	7·3	27·0	5·3	26·9	6·0	26·3	6·1	26·7	5·7	13h
14	28.4	7·2	28·0	5·3	27·1	4·0	29·3	7.0	26·9	5·3	26·0	5·5	26·4	6·2	26·8	5·8	14
15	28·1	7·1	27·5	4·6	27·4	4·1	29·0	7.1	26·9	5·0	25·3	5·0	26·3	6·1	25·8	5·0	15
16	28·0	5·9	26·7	3·9	25·0	2·0	28·4	6·5	25·4	4·2	24·7	4·6	26·0	6·1	25·4	4·7	16
17	26.4	4·5	26·3	4·0	26·9	3·7	27·0	5.4	24·5	3·4	24·2	4·2	24·9	5·4	24·2	4·2	17
18	25·8	3·9	25·4	3·4	26·4	3·7	25·9	4·6	23·8	2·8	23·4	3·7	23·5	4·5	23·9	3·9	18
19	23·8	3·5	24·5	2·6	25·0	2·6	24·5	3·2	23·0	2·4	22·8	3·4	22·1	3·4	22·7	3·3	19
20	22·9	2·9	24·2	2·5	23·7	1·5	24·0	2·9	22·6	2·3	22·2	3·1	21·8	3·5	22·3	3·0	20
21	22·1	2·3	24·1	2·2	23·9	1·8	23·3	2·2	22·7	2·6	22·3	2·9	21·1	2·9	22·0	2·8	21
22	21·2	2·2	24·2	2·2	23·8	1.7	23·0	2·0	22·3	1·9	22.1	2·7	20·9	2·7	21·7	2·7	22
23	21·1	2·1	24·0	2·1	23·9	1·9	22·4	1·8	22·3	2·0	22·1	2·4	20·3	2·2	21·3	2·5	23

Hour \ Day	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day / Hour
Midnight	21·1	2·4	22·1	2·2	22·3	0·6	22·1	0·9	22·5	0·8	21·2	0·8	...	...	21·4	1·5	Midnight
1h	20·9	2·3	21·9	2·1	22·1	0·7	22·0	0·7	22·6	0·7	21·3	0·5	...	...	21·4	1·5	1h
2	20·7	2·5	21·9	2·3	21·7	0·7	21·8	0·7	22·1	0·5	21·3	0.5	...	...	21·2	1·4	2
3	20·9	2·7	21·9	2·5	22·0	0·7	21·6	0·5	21·9	0·7	21·4	0·6	...	...	21·1	1·4	3
4	20·7	2·5	21·7	2·3	22·0	0·8	21·7	0·7	21·1	0·6	21·8	0·8	...	...	21·1	1·4	4
5	20·4	2·4	22·1	2·3	22·0	0·9	11·7	0·7	21·2	0·7	21·6	0·6	...	...	21·0	1·3	5
6	21·0	2·7	22·7	2·4	22·2	1·0	21·9	0·8	21·7	0·6	21·3	0·6	...	...	21·4	1·4	6
7	23·2	4·0	24·0	3·2	22·4	0·9	23·9	1·9	24·9	1·9	23·7	1·6	...	...	23·4	2·5	7
8	24·2	4·9	25·4	4·2	24·0	1·9	25·3	3·4	25·2	2·2	24·9	2·6	...	...	24·6	3·5	8
9	25·9	6·7	25·5	3·8	24·5	2·2	26·3	4·2	26·5	3·6	26·7	3·3	...	...	25·6	4·2	9
10	26·8	7·0	26·0	4·0	25·0	2·5	26·4	4·4	26·4	3·5	27·0	3·3	...	...	26·0	4·6	10
11	26·8	6·5	26·8	4·3	25·6	2·6	27·4	5·5	28·1	4·5	27·0	3·6	...	...	26·4	4·9	11
Noon	27·6	6·7	27·0	4·2	26·7	4·2	27·7	5·4	31·0	6·8	27·8	4·1	...	...	26.8	5·2	Noon
13h	27·4	7·1	25·4	2·9	27·0	5·1	27·9	5·7	30·0	6·0	29·0	5·0	...	...	26·7	5·2	13h
14	27·7	7·7	25·8	3·0	26·9	5·3	27·5	5·2	29·0	5·6	28·7	4·8	...	...	26·8	5·3	14
15	27·0	7·0	25·2	2·8	26·5	4·3	27·6	5·3	27·1	3·8	27·5	3·7	...	...	26·2	4·8	15
16	26·8	6·9	24·2	1·7	24·7	2·6	26·9	4·9	24·6	1·9	25·2	2·4	...	...	25·5	4·3	16
17	25·9	6·5	23·8	1·6	25·0	3·1	26·3	4·2	24·2	1·3	23·7	1·6	...	...	24·9	3·8	17
18	24·5	5.0	23·1	1·2	24·1	2·3	24·9	3·0	24·0	1·2	22·8	1·6	...	...	23·9	3·1	18
19	22·8	3·7	22·6	0·8	22·9	1·6	23·9	2·1	23·8	1·1	22·3	1·2	...	...	23·0	2·6	19
20	22·3	2·8	22·7	0·8	22·9	1·2	23·2	1·4	23.1	0·8	22·3	1·6	...	...	22·5	2·2	20
21	22·3	2·4	22·7	0·7	22·4	1·1	22·9	1·2	23·0	1·0	22·1	1·8	...	...	22·1	2·0	21
22	22·3	2·3	22·2	0·4	22·3	1·0	22·7	1·0	22·6	0·7	22·2	2·0	...	...	21·9	1·8	22
23	22·1	2·1	22·5	0·6	22·1	0·8	22·5	0·9	22·0	0·7	22·2	2·3	...	...	21·6	1·6	23

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

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

NOVEMBER 1927.

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	898	906	883	941	877	923	892	918	900	918	892	908	883	926	890	914	Midnight
1h	895	911	882	944	881	929	893	917	900	917	889	911	877	923	890	915	1h
2	889	917	881	947	880	920	893	916	900	924	887	913	873	927	886	921	2
3	882	927	883	942	885	915	900	925	900	916	890	910	888	930	888	918	3
4	887	913	883	943	884	916	880	920	900	921	887	913	893	917	892	908	4
5	894	906	874	939	883	917	885	915	900	926	890	910	896	910	894	906	5
6	889	911	900	945	882	918	890	914	900	924	893	909	897	907	892	908	6
7	879	932	880	948	887	933	900	928	882	944	903	916	893	915	885	915	7
8	889	929	876	957	900	938	912	931	891	946	887	933	900	941	881	946	8
9	900	946	874	962	900	937	894	930	877	956	907	934	888	931	867	933	9
10	911	953	871	969	876	936	916	940	890	950	892	938	889	929	867	933	10
11	890	951	875	960	876	936	900	934	857	929	915	937	908	939	876	924	11
Noon	900	945	869	974	875	925	909	944	900	944	931	912	900	942	894	871	Noon
13h	890	947	869	976	857	917	913	934	876	936	906	931	900	946	907	884	13h
14	900	953	843	957	876	936	925	937	884	940	900	944	883	941	887	919	14
15	876	957	843	957	900	946	912	930	891	946	889	926	900	937	868	932	15
16	900	943	884	978	900	945	908	938	884	940	900	937	885	915	845	936	16
17	869	931	851	949	890	948	909	943	883	941	885	924	882	918	858	928	17
18	878	932	868	947	883	941	905	925	871	929	885	915	887	920	871	929	18
19	883	926	886	934	890	925	900	923	887	919	884	916	892	911	862	938	19
20	885	924	877	923	892	919	900	933	885	915	892	918	892	910	857	918	20
21	881	919	877	923	890	925	900	932	889	911	881	919	891	913	854	931	21
22	900	930	888	931	892	920	900	928	889	911	876	924	889	926	871	929	22
23	875	938	877	934	892	918	900	916	890	910	883	926	888	918	875	917	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	891	944	900	944	893	932	887	913	894	913	892	911	889	902	Midnight
1h	874	905	880	949	900	939	896	921	880	920	894	914	896	906	889	902	1h
2	896	909	884	939	892	940	892	918	882	911	893	916	891	912	887	903	2
3	896	909	883	941	892	940	888	930	880	920	897	908	890	914	882	904	3
4	895	912	876	936	892	938	900	926	886	914	896	910	890	914	896	909	4
5	903	914	881	946	893	934	888	930	881	919	895	912	891	913	898	906	5
6	904	918	900	942	900	938	884	924	886	914	898	906	893	910	897	906	6
7	878	922	900	946	900	946	875	937	881	919	893	916	893	909	893	915	7
8	900	941	900	959	900	961	880	949	889	952	918	927	894	914	871	929	8
9	893	936	923	955	890	950	878	952	900	939	900	920	891	907	870	930	9
10	890	950	900	967	889	955	866	951	900	942	913	919	913	881	876	936	10
11	878	954	914	970	900	951	867	950	869	931	900	930	922	878	908	941	11
Noon	866	952	900	970	923	955	857	943	891	942	894	929	915	863	867	933	Noon
13h	888	960	900	969	921	950	857	943	900	942	900	931	922	867	880	930	13h
14	880	949	886	967	900	950	877	955	884	940	909	921	916	884	907	936	14
15	875	959	888	960	888	959	864	936	900	937	900	920	912	870	909	942	15
16	878	952	887	966	885	938	861	939	866	934	906	927	915	876	892	940	16
17	878	954	900	966	900	942	878	954	891	943	911	927	900	869	894	931	17
18	868	932	900	970	900	932	883	942	893	936	905	923	912	888	891	922	18
19	868	947	900	958	885	938	880	920	894	931	900	917	907	891	895	911	19
20	883	941	900	944	900	932	887	913	894	914	900	917	878	900	894	908	20
21	879	950	900	944	891	922	881	919	892	919	893	916	883	903	893	910	21
22	880	948	900	940	889	927	886	914	890	925	891	912	884	903	892	911	22
23	889	956	892	938	900	929	888	912	896	910	893	909	890	902	897	905	23

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

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

NOVEMBER 1927.

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	895	907	882	918	869	912	879	909	885	910	877	935	890	925	893	917	Midnight
1h	896	907	883	907	866	914	888	905	885	910	882	927	893	915	891	921	1h
2	896	906	889	902	854	919	893	901	890	908	882	927	888	918	894	915	2
3	892	911	891	907	854	931	888	902	885	915	878	933	883	925	897	908	3
4	892	911	880	892	882	912	888	902	887	913	880	930	886	922	894	915	4
5	888	918	889	895	864	924	876	905	882	912	879	931	878	922	890	925	5
6	892	910	879	900	854	930	878	905	877	923	880	930	886	936	890	925	6
7	893	909	851	920	854	930	862	915	875	938	881	947	877	934	884	940	7
8	878	933	849	921	860	940	864	914	876	936	878	953	882	945	891	945	8
9	882	945	857	943	865	935	867	907	867	949	876	958	883	943	871	943	9
10	880	948	854	946	864	936	864	907	864	954	880	949	883	942	882	945	10
11	900	952	854	946	848	934	852	920	859	961	866	952	882	945	889	955	11
Noon	871	943	865	952	859	941	842	924	860	960	900	954	900	952	878	954	Noon
13h	879	932	853	947	859	941	846	922	857	964	900	960	875	938	900	965	13h
14	877	923	857	943	852	948	844	923	863	957	890	950	881	947	877	956	14
15	881	881	843	937	858	928	848	934	861	959	882	944	882	943	877	955	15
16	882	856	866	934	861	916	843	924	867	950	880	948	882	945	877	956	16
17	900	877	851	933	854	909	849	934	859	941	866	934	883	942	863	956	17
18	903	885	856	929	863	908	864	924	860	940	873	927	877	934	870	946	18
19	886	922	868	921	866	914	865	914	869	931	880	920	881	928	876	936	19
20	884	916	859	917	888	918	869	921	869	931	880	920	882	927	879	931	20
21	893	907	866	914	885	915	881	913	879	932	893	910	888	930	886	935	21
22	889	911	860	916	893	903	890	908	879	932	893	910	890	925	885	937	22
23	886	914	871	911	893	903	890	908	871	929	891	912	890	924	881	928	23

Hour \ Day.	25d.		26d.		27d.		28d.		29d.		30d.		31		Mean.		Day. \ Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	882	927	880	920	882	943	887	934	895	911	898	908	...	...	888	920	Midnight
1h	881	928	883	941	878	954	882	927	896	910	898	911	...	...	887	920	1h
2	879	932	869	931	878	953	888	918	895	911	898	911	...	...	887	920	2
3	880	930	871	929	878	952	890	925	896	910	898	908	...	...	887	921	3
4	884	924	878	922	881	946	875	925	897	907	899	906	...	...	888	918	4
5	882	927	872	928	874	940	879	921	895	911	899	906	...	...	886	919	5
6	879	932	873	927	869	946	889	926	897	908	899	906	...	...	888	920	6
7	875	938	874	940	874	940	883	941	895	911	899	906	...	...	883	928	7
8	868	947	867	949	866	952	900	958	908	918	887	894	...	...	885	939	8
9	866	951	870	945	864	954	884	939	911	926	890	875	...	...	884	938	9
10	880	948	854	946	871	969	889	953	905	925	894	873	...	...	884	940	10
11	871	944	853	947	873	966	900	952	937	925	889	874	...	...	884	940	11
Noon	878	953	843	957	872	967	900	946	944	929	914	922	...	...	887	940	Noon
13h	857	943	875	960	872	967	900	951	936	924	931	900	...	...	888	939	13
14	859	941	864	954	871	970	885	938	938	915	940	916	...	...	885	940	13
15	857	943	864	954	873	966	891	943	921	909	917	907	...	...	882	937	14
16	854	946	876	958	887	965	883	942	885	910	866	934	...	...	880	936	15
17	849	951	871	943	875	960	884	939	886	906	873	941	...	...	878	934	16
18	866	934	880	949	878	952	886	934	889	905	867	949	...	...	881	930	17
19	878	922	882	945	880	948	889	927	900	910	876	936	...	...	884	926	18
20	885	923	886	934	879	931	893	916	900	909	866	951	...	...	885	922	19
21	889	929	881	947	878	932	893	916	900	910	872	941	...	...	885	923	20
22	881	928	900	944	874	939	893	915	899	907	873	941	...	...	887	923	21
23	880	920	888	957	882	927	893	916	898	909	866	934	...	...	887	921	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during NOVEMBER 1927.

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

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	26	0·6	26	4·4	28	3·3	26	2·0	24	1·8	28	1·1	27	3·1	27	1·7	28	1·6	25	4·5	24	4·4	25	3·3	28	1·9	26	1·4	27	1·4	31	1·1
1h	26	1·2	26	4·8	27	3·5	26	1·9	24	1·7	28	1·6	28	3·3	27	1·8	31	2·7	26	5·3	24	3·9	25	2·2	29	2·8	26	1·5	27	0·7	31	1·1
2	27	2·0	26	5·1	28	2·8	26	1·8	24	2·4	28	1·8	28	3·8	27	2·5	26	1·0	26	4·2	25	4·1	26	2·0	29	2·0	26	1·8	27	1·5	31	1·3
3	27	3·3	26	4·5	28	2·2	24	2·5	24	1·6	28	1·4	26	3·2	27	2·1	26	1·0	26	4·4	25	4·1	26	3·2	28	2·8	26	0·9	27	1·7	31	1·8
4	28	1·9	26	4·6	28	2·3	28	2·8	24	2·1	28	1·8	26	1·9	28	1·2	26	1·3	27	4·4	25	3·9	24	2·6	28	2·0	26	1·1	27	1·7	26	1·0
5	28	0·9	27	4·7	28	2·4	28	2·2	24	2·6	28	1·4	26	1·1	28	0·8	23	1·4	26	5·0	25	3·5	26	3·2	28	2·7	26	1·3	27	1·6	26	0·6
6	28	1·5	24	4·5	28	2·5	27	1·7	24	2·4	27	1·1	26	0·8	28	1·1	23	1·8	24	4·2	24	3·8	27	2·9	28	2·0	26	0·6	27	1·2	26	0·7
7	27	3·8	26	5·2	26	3·5	24	2·8	26	4·8	23	1·6	26	1·7	28	2·2	28	3·2	24	4·6	24	4·6	27	4·5	28	2·7	26	1·8	27	1·1	26	1·7
8	26	3·1	26	6·2	24	3·8	22	3·3	25	4·7	26	3·5	24	4·1	26	5·0	24	4·1	24	5·9	24	6·1	26	5·3	25	5·3	21	3·2	26	1·5	28	4·2
9	24	4·6	26	6·7	24	3·7	25	3·1	26	6·1	23	3·5	26	3·3	28	4·7	25	3·7	22	6·0	25	5·1	26	5·7	24	3·9	24	2·0	29	1·1	28	4·3
10	23	5·4	26	7·5	27	4·4	22	4·3	25	5·1	25	3·9	26	3·1	28	4·7	25	5·1	24	6·7	25	5·6	27	6·1	24	4·2	21	2·3	d11	2·3	27	4·4
11	25	5·2	26	6·5	27	4·4	24	3·4	29	5·2	22	4·0	23	4·0	28	3·4	26	5·9	23	7·1	24	5·1	27	6·0	28	4·4	24	3·0	12	3·1	23	4·2
Noon	24	4·5	26	8·0	28	3·6	23	4·5	24	4·4	18	3·3	24	4·2	d 7	3·0	27	6·2	24	7·0	22	6·0	28	6·1	25	4·3	25	3·0	10	4·0	28	4·7
13h	25	4·8	26	8·2	30	4·6	22	3·6	27	4·4	23	3·2	24	4·6	10	1·8	25	6·1	24	6·9	22	5·4	28	6·1	24	4·2	24	3·1	11	4·0	27	3·6
14	24	5·3	28	8·0	27	4·4	21	4·5	26	4·3	24	4·4	26	4·4	r27	2·3	26	5·3	25	6·8	24	5·0	26	6·0	26	4·3	22	2·3	12	2·3	23	3·7
15	26	6·2	28	8·1	24	4·6	22	3·2	25	4·7	26	2·8	24	3·7	28	4·6	26	6·4	25	6·1	25	6·0	28	5·1	24	3·7	24	2·0	10	3·2	23	4·3
16	24	4·3	25	8·0	24	4·5	23	3·9	26	4·3	24	3·7	28	2·2	29	6·6	26	5·7	25	6·7	26	4·1	28	5·5	28	4·9	23	2·8	11	2·8	25	4·1
17	28	4·4	28	7·0	25	4·9	23	4·4	26	4·4	27	2·8	28	2·5	29	5·1	26	5·9	24	6·6	24	4·2	26	5·9	25	4·4	22	2·9	8	3·1	25	3·2
18	27	3·9	27	5·7	26	4·4	23	2·6	28	4·2	28	2·1	27	2·4	28	4·1	28	4·5	24	7·0	24	3·2	26	4·5	25	3·7	23	2·4	12	1·7	26	2·4
19	27	3·1	26	3·7	26	2·7	24	2·3	27	2·3	28	2·3	27	1·4	28	5·4	27	5·7	24	5·8	26	4·1	28	2·8	25	3·2	24	1·7	11	1·1	26	1·2
20	27	2·8	28	3·3	26	2·1	24	3·3	28	2·2	26	2·0	27	1·3	30	4·7	26	4·4	24	4·4	24	3·2	28	1·8	26	1·5	24	1·7	r32	2·2	27	1·0
21	28	2·7	28	3·3	26	2·7	24	3·2	28	1·5	28	2·7	27	1·6	29	5·6	26	5·4	24	4·4	26	3·4	28	2·7	26	2·1	26	1·8	31	1·7	27	1·2
22	24	3·0	26	3·3	26	2·2	24	2·8	28	1·5	28	3·4	26	2·8	28	4·2	26	5·2	24	4·0	26	2·9	28	2·0	26	2·7	27	1·5	31	1·6	27	1·4
23	27	4·6	27	4·1	26	2·0	24	1·6	28	1·4	27	3·1	27	2·1	29	3·0	25	5·7	25	3·9	24	2·9	28	1·7	26	1·1	27	1·1	31	1·0	27	0.6

Hour \ Day	17d. *		18d. *		19d.		20d.		21d.		22d.		23d.		24d.		25d.		26d.		27d.		28d.		29d. *		30d. *		31d.		Mean
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Ve	Dir.	Vel.	Dir.	Vel.	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Velocity
Midnight	27	0·9	28	2·5	30	3·3	30	2·3	29	1·8	27	4·2	26	2·7	26	1·9	27	3·3	28	2·8	26	4·7	26	3·6	26	1·2	25	0·8	...	...	2·5
1h	27	0·8	30	1·9	30	3·7	30	1·3	28	1·8	27	3·3	26	1·7	26	2·3	27	3·4	26	4·4	26	5·9	27	3·2	26	1·1	25	1·1	...	...	2·5
2	27	0·7	31	1·1	30	5·0	31	0·7	28	1·3	27	3·2	27	2·1	26	1·6	27	3·8	28	4·4	26	5·8	27	2·1	26	1·2	25	1·1	...	...	2·5
3	27	1·4	29	1·1	29	5·6	31	1·2	28	2·2	27	4·0	27	3·0	26	0·9	27	3·6	28	4·2	26	5·7	26	2·7	26	1·1	25	0·8	...	...	2·6
4	27	1·4	2	2·2	29	2·1	31	1·2	28	1·9	27	3·6	27	2·6	26	1·6	27	2·9	28	3·2	26	5·0	28	3·6	26	0·8	25	0·6	...	...	2·3
5	27	2·1	2	1·2	29	4·4	31	2·5	29	2·1	27	3·7	28	3·1	26	2·7	27	3·3	28	4·0	27	4·8	28	3·0	26	1·2	25	0·6	...	...	2·5
6	27	1·3	32	2·1	29	5·5	31	2·3	28	3·3	27	3·6	26	3·9	26	2·7	27	3·8	28	3·8	27	5·6	26	2·8	26	0·9	25	0·6	...	...	2·5
7	27	1·1	30	5·3	29	5·5	30	4·1	27	4·6	26	5·1	27	4·1	26	4·3	27	4·6	27	4·8	27	4·8	26	4·4	26	1·2	25	0·6	...	...	3·5
8	27	4·0	30	5·5	28	5·7	30	3·9	27	4·4	26	5·8	26	4·9	25	4·6	27	5·7	27	5·9	27	6·2	24	5·8	22	2·0	d 2	1·4	...	...	4·5
9	26	4·9	28	6·1	28	5·0	31	3·4	27	5·9	26	6·3	26	4·6	27	5·2	27	6·1	27	5·4	27	6·5	26	4·2	22	2·8	6	2·7	...	...	4·5
10	26	5·2	28	6·5	28	5·1	31	3·7	27	6·5	26	5·3	26	4·5	26	4·9	26	5·2	28	6·5	26	7·5	25	5·4	23	2·6	7	2·8	-	...	4·9
11	24	5·2	28	6·5	29	6·2	30	5·2	27	7·3	27	6·2	26	4·9	25	5·6	27	5·3	28	6·7	26	7·1	24	5·2	19	4·5	6	2·8	...	...	5·1
Noon	27	5·2	27	6·3	28	5·8	30	6·3	27	7·2	24	5·4	24	5·2	26	5·9	26	5·8	28	8·0	26	7·3	24	4·6	19	5·3	r21	2·6	...	...	5·3
13h	27	3·8	28	6·7	28	5·8	30	5·9	27	7·7	24	6·0	27	4·6	24	6·5	28	6·1	26	6·5	26	7·3	24	5·1	19	4·4	16	3·1	...	...	5·1
14	28	3·3	28	6·2	28	6·8	30	6·1	27	6·8	25	5·1	26	5·1	26	6·1	28	5·8	27	6·5	26	7·6	26	4·1	18	4·1	18	4·3	..	...	5·0
15	d 4	2·7	29	6·8	29	5·1	29	6·2	27	7·1	26	4·8	26	4·7	26	6·0	28	6·1	27	6·5	26	7·1	25	4·4	18	2·3	18	1·9	...	...	4·9
16	6	4·8	28	4·8	30	4·2	30	6·2	27	6·0	26	5·2	26	4·9	26	6·1	28	6·6	26	6·3	25	6·6	26	4·5	d29	1·8	d28	4·9	...	...	4·9
17	8	2·3	29	5·9	31	4·7	29	6·1	28	5·9	28	4·9	26	4·5	27	6·7	28	7·2	27	5·2	26	6·5	26	4·2	30	1·5	27	4·9	...	...	4·7
18	9	1·5	29	5·3	31	3·8	29	4·4	28	5·7	28	3·9	27	4·1	27	5·5	28	4·9	26	5·3	26	5·7	26	3·7	30	1·2	27	5·9	...	...	4·0
19	r27	2·6	29	3·8	30	3·7	30	3·8	28	4·4	28	2·8	27	3·4	27	4·4	28	3·2	26	4·9	26	5·2	26	2·9	24	1·0	27	4·4	...	...	3·3
20	28	2·3	30	4·4	27	2·1	29	3·7	28	4·4	28	2·9	27	3·3	27	3·7	27	2·7	26	3·7	27	3·7	26	1·8	24	0·9	27	6·1	...	...	2·9
21	28	1·0	30	3·7	28	2·2	29	2·3	27	3·8	27	1·2	26	3·2	26	3·8	26	3·1	26	5·1	27	3·9	26	1·8	24	1·0	27	5·0	...	...	2·9
22	28	1·6	30	4·3	30	0·8	29	1·3	27	3·8	27	1·2	26	2·7	26	4·0	27	3·4	24	4·4	27	4·7	20	1·7	25	0·7	27	4·9	...	...	2·8
23	28	2·0	30	3·1	30	0·8	29	1·3	28	4·2	27	1·5	26	2·6	27	3·4	28	2·8	25	5·8	27	3·2	26	1·8	25	0·9	28	4·9	...	...	2·6

r = retrograde. d = direct.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for NOVEMBER 1927.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART for the MONTH of NOVEMBER 1927.

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	0·90	22·9	28·4	3
	3	Belmont	50	1·40	35·6	33·5	7
	4	Poudre d'Or	20	1·39	35·3	27·7	8
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	2·00	50·8	62·7	15
	10	Mont Piton	360	1·39	35·3	62·0	11
	11	Mon Choix	700	1·37	34·8	51·6	10
	12	Antcinette	640	1·45	36·8	59·4	9
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	3·30	83·8	57·4	16
	15	Mon Songe	620	2·53	64·3	70·9	8
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	1·58	40·1	48·5	8
	19	The Observatory ...	179	0·74	18·9	44·2	15
	20	Solitude§	175	...	...	...	...
	21	St André	90	0·63	16·0	39·1	4
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ ..	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E.§ ...	600	...	...	...	...
	2	Constance d'Arifat L.G.	100	1·21	30·7	40·4	9
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	49	116·6	72·9	16
	5	Constance (Manès)§ ...	..	...	...	...	..
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	2·82	71·6	...	14
	10	St. Julien E(K Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive§	400	..	...	...	...
	5	Olivia	400	8·71	221·2	66·5	15
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	7·86	199·6	...	24
5	1	Rose Belle§	850	..	...	...	...
	2	Riche-en-Eau§	460	...	..	...	...
	3	Ferney§	20	...	...	...	..
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	..	...	...	...

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill	No. days
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate* ...	...	37·1	94·2	...	13
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	12·87	326·9	109·2	17
	2	Tivoli§	1,300	...	...	...	...
	3	La Flora*	1,050	10·12	257·0	...	20
	4	Britannia	730	7·93	201·4	...	18
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	...
	9	St. Avold*	900	10·52	267·2	...	19
	10	Terracine§	1000	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	3·65	92·7	...	15
	15	Fontenelle*	...	4·62	117·3	...	9
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre	40	1·83	46·5	54·4	13
	3	Beau Champ*	...	2·84	72·1	...	11
	4	Board*	...	4.64	117.9	...	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	8·71	221·2	114·0	26
	3	Mare aux Vacoas ...	1,850	15·71	399·3	134·9	19
	4	La Marie Filter Bed ...	1,700	5·77	146·6	61.7	18
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse§	850	...	...	...	...
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands§	1,300	...	...	...	...
	7	Trianon	950	1·10	27·9	55·1	12
	8	Salency§	923	...	...	...	...
	9	La Ferme*	850	0·25	6·3	...	8
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	0·90	22·9	47·7	15
	12	Ébène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin*	..	0·38	9·6	...	5
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or	...	3.85	97·8	...	12
	17	Mon Repos§	...	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute§	...	0·00	00·0	...	0

§ Records not received * Normals not available.

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of NOVEMBER 1927

Day \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulu		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
	h		°		°		°		°		°			h		°		°		°		°		°		°
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	10	...	...	...	...	...	...	270	5·7*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	9¾	...	...	270	5·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	8½	300	7·8	285	8·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	14	...	...	210	2·3	210	2·4	...	...	...	...	...	...
9	9¼	300	7·8*	300	5·5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	9¼	255	18·7*	260	24·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...
11	11¾	270	31·4	270	16·4	...	...	...	...	120	6·2*	120	3·0	14¼	...	...	270	8·8	...	...	...	...	150	2.8*	135	1·9
12	11¾	285	13.8	...	...	...	...	...	...	...	...	120	—	...	...	...	...	...	...	...	...	...	...	...	...	...
13	9¾	...	...	300	9·8*	...	...	...	...	...	...	...	...	14½	...	...	270	5·2*	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	330	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	9¼	...	...	345	2·8	...	...	...	...	...	...	...	...	13¼	345	2·6	330	1·1	...	...	...	...	...	...	...	...
18	...	...	...	315	8·8*	...	...	...	...	...	...	...	...	...	...	...	345	18·1*	...	...	...	...	...	...	...	...
19	8½	...	...	...	...	15	2·1	...	...	...	...	...	...	15½	...	...	300	18·8	360	1·8	...	...	120	0·8*	225	0·9
20	9¾	...	...	60	11·4*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	10	300	29·6	300	17·9*	...	...	...	...	...	...	105	1·4	16¾	...	...	...	...	...	...	...	...	...	...	120	1·6
22	10¼	300	13·6	300	9·0*	105	2·7	75	2·6*	...	...	120	3·4	14¼	...	...	285	9·4*	...	...	...	...	...	...	90	2·8*
23	10¼	300	7·3*	300	6·1	...	...	...	...	115	3·4*	135	2·2	15¾	...	...	...	...	...	...	...	...	...	...	120	2·5
24	8	285	18·7	325	8·0*	...	...	105	4·6*	...	...	120	2·1	12½	...	...	285	10·7	75	3·1	...	...	...	...	135	1·7
25	11¼	...	...	300	9·0	...	...	120	2·5*	...	...	135	2·0	13½	...	...	...	...	...	...	...	...	...	...	135	2·3
26	9½	300	12·9*	300	13·6*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	285	13·7*	290	17·6*	...	...	...	...	120	2·2*	...	...
28	9½	...	...	280	12·1*	...	...	...	...	...	...	...	...	14½	270	11·2	240	3·9	...	...	...	...	...	...	120	2·4
29	10	...	...	...	...	...	...	...	...	...	...	120	2·4	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	12	...	...	30	5·0	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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NEW SERIES (MONTHLY). VOL. XIII. PART 12 PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

DECEMBER 1927

R. A. WATSON, B.A., F.R. MET. SOC.,

DIRECTOR.

Published by Authority of His Excellency the Governor

PORT LOUIS

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of DECEMBER 1927.

Month and Day. 1927	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.) K*†	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
	° ′				Unit 1 γ	
1	11·36.8	·22799	·00021	5·8	67	16
2	37·2	803	22	8·4	41	20
3	36·6	810	21	8·6	29	18
4	36·9	813	20	6·0	36	16
5	36·3	822	20	10·8	64	28
6	36·9	813	20	8·0	44	30
7	35·7	813	23	10·6	41	25
8	35·0	813	23	9·6	25	23
9	34·9	808	21	12·8	32	34
10	34·2	811	24	10·4	40	18
11	34·7	815	26	8·0	32	16
12	35·3	813	24	8.8	19	19
13	34·2	813	23	13·6	127	34
14	35·5	786	26	7·8	59	28
15	35·7	797	24	8·0	42	17
16	35·4	796	23	8·2	27	14
17	35·0	796	23	7·0	41	20
18	35·2	784	26	5·0	78	11
19	35·7	786	29	7·2	38	11
20	36·2	796	23	3·8	23	20
21	35·8	807	20	4·2	19	15
22	35·8	815	19	4·2	37	12
23	35·1	—	17	7·0	—	22
24	36·3	—	16	10·0	—	26
25	36·1	—	17	8·6	—	23
26	35·9	—	16	9·2	—	21
27	35·8	—	15	7·0	·	23
28	35 7	—	17	8·0	—	17
29	36·2	—	21	7·8	—	22
30	35·8	—	17	5·6	—	14
...	36·1	—	15	6·4	—	15
Mean	11·35·74	·22805	·00021	7·95	43·7	20·3

Description of the Principal Magnetic Disturbance

The month as a whole was fairly quiet. The 1st 17th and 18th were rather disturbed. A very quiet period ended abruptly at 23h 38m on 12th and was followed by the two most disturbed days of the month.

Pulsations of vertical force were prominent at the following times 5d 23h: 19d 23h: 22d 22h: 24d 23h.

Γ=* : Mean Dip=θ=* (X=·22339 : Y=−·04584 : Z=*).

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

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of DECEMBER 1927

Declination (West)		Horizontal Force (C.G.S. Uni		Dip (South). A.M. Observations		Resulting Vertical Force	P. M Observations.		Resulting Vertical Force
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value	
d h m	° ′	d h m		d h m	° ′		d h m	°	
Dec. 7·11·45	11·34·24	Dec. 6·10·30	·22833	Dec. 5. 9.19	52·25.62	—	Dec. 5·13·10	52·34·18	—
13· 9.47	11·3·69	6·14· 7	·22832	10·10· 14	52·29·56	—	10·13·32	52·37·87	—
13·13.10	11·27·27	12·13· 3	·22817	16· 9· 0	52·22·12	—	16·12·22	52·30·00	—
20· 9·31	11.38.39	21· 9·14	·22813	22· 9·16	52·27·74	—	22·12·52	52·31·18	—
20.14·55	11.34.77	21 12·24	·22809	29· 9·25	52·21·06	—	29·14·17	52·37·69	—
28·11·45	11.37 45	28· 9 20	·22818			—			—
		28 14.25	·22827			—			—

*See note at foot of Table V.

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

DECEMBER 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	11° +																
Midnight	36·6	38·0	37·6	37·4	37·0	37·0	38·0	35·2	36·0	35·2	35·4	34·8	34·8	37·8	35·6	36·0	Midnight
1h	36·2	37·8	37·6	37·2	36·8	37·2	37·8	35·4	36·0	35·0	34·8	34·8	34·6	36·4	35·8	36·0	1h
2	36·0	37·0	37·0	37·4	36·8	37·4	38·2	35·6	35·8	34·0	34·6	34·6	34·6	37·6	36·0	36·0	2
3	36·2	37·0	37·0	37·4	36·8	37·6	38·2	36·0	36·0	34·6	35·0	35·0	35·8	37·0	36·0	35·8	3
4	36·0	37·6	37·6	37·2	36·8	37·8	38·0	36·2	36·0	35·2	35·4	35·2	36·0	38·2	36·2	36·0	4
5	36·6	37·8	38·0	37·2	36·6	38·0	38·0	36·4	36·2	35·6	36·0	35·8	36·0	38·2	36·4	36·2	5
6	37·4	38·8	39·2	37·6	38·0	38·4	39·0	36·8	37·4	36·2	36·4	36·0	36·4	38·0	36·0	35·8	6
7	39·2	41·2	40·4	38·2	40·8	40·0	39·6	39·4	40·0	38·0	37·0	37·2	38·0	38·2	36·8	35·0	7
8	39·8	41·4	40·8	39·2	41·8	40·8	40·4	39·8	40·6	39·0	37·4	38·4	38·4	37·8	37·8	36·0	8
9	39·0	40·6	39·8	40·0	40·0	40·4	39·4	37·2	40·0	38·0	38·0	40·0	38·6	38·4	39·0	38·4	9
10	38·4	39·0	38·2	39·0	38·0	38·2	38·0	35·6	39·0	36·4	37·6	38·4	38·0	37·0	40·0	40·0	10
11	39·2	38·0	36·4	37·0	35·0	36·8	36·0	34·0	36·0	34·2	36·0	37·0	35·0	36·6	38·0	37·8	11
Noon	38·0	36·4	34·0	35·4	33·6	34·0	33·0	32·2	32·0	31·4	33·0	34·0	31·4	33·0	36·2	36·0	Noon
13h	36·0	36·0	32·8	35·0	31·6	33·8	29·8	30·4	28·4	29·0	31·0	32·0	27·6	31·6	35·0	33·8	13h
14	34·8	35·0	32·2	34·0	31·0	32·8	29·8	30·2	27·8	28·6	30·0	31·2	25·0	30·8	33·6	32·2	14
15	34·0	33·0	33·0	34·2	32·8	33·6	30·4	32·2	29·0	29·6	31·0	32·0	26·0	30·6	32·2	31·8	15
16	34·2	33·4	34·0	35·4	34·2	34·2	31·8	33·6	31·2	30·4	32·4	33·8	28·0	32·0	32·0	32·2	16
17	35·0	34·6	35·6	36·0	35·8	34·8	34·0	34·2	33·8	33·0	34·2	35·4	30·8	33·6	32·8	33·8	17
18	36·4	36·0	36·0	36·6	36·4	35·8	34·6	35·4	35·0	34·2	35·4	36·0	32·8	34·4	34·2	34·6	18
19	36·6	37·0	36·0	37·0	36·0	37·0	34·8	35·2	34·8	34·4	35·0	35·4	35·0	34·8	35·6	35·0	19
20	36·4	36·4	36·2	37·0	36·0	37·4	34·6	35·0	34·2	34·4	34·4	35·0	37·4	34·8	34·4	35·0	20
21	36·4	36·2	36·2	36·8	36·2	37·4	35·0	34·8	34·2	34·4	34·4	35·0	35·6	35·0	35·2	35·4	21
22	36·8	37·0	36·4	36·8	36·4	37·6	35·0	34·4	34·4	34·6	34·6	35·0	36·4	35·0	36·6	36·0	22
23	37·0	37·8	37·0	37·0	36·6	38·0	35·0	35·0	35·4	34·8	34·6	35·4	37·0	35·6	36·2	36·0	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31	Mean	Day. / Hour
	11° +																
Midnight	35·8	36·0	36·8	36·0	36·0	36·2	37·0	36·4	36·2	36·2	36·0	36·0	36·0	36·0	37·0	36·3	Midnight
1h	36·0	36·0	38·0	36·2	36·0	36·2	36·8	36·6	36·0	36·4	36·0	36·2	36·6	36·0	36·4	36·3	1h
2	36·0	36·0	38·2	36·2	36·0	36·2	36·8	37·2	36·2	36·8	36·0	36·4	36·6	36·0	36·4	36·3	2
3	36·0	36·0	39·4	36·0	36·0	36·2	36·4	37·6	37·2	37·4	36·4	36·6	37·8	36·2	36·4	36·5	3
4	36·0	36·0	39·6	36·0	36·2	36·4	37·0	37·8	37·4	37·8	36·6	36·6	38·2	36·4	36·4	36·8	4
5	36·0	36·2	39·0	36·4	36·8	36·6	37·0	38·0	38·0	38·2	37·0	36·6	38·0	37·2	36·6	37·0	5
6	36·2	36·2	37·8	37·0	37·4	37·2	37·6	38·2	38·4	38·4	37·2	36·6	38·0	37·0	36·8	37·3	6
7	36·4	37·0	35·8	37·0	38·0	37·8	37·0	39·8	40·2	38·8	38·0	36·4	38·0	37·0	37·2	38·2	7
8	36·2	36·2	32·4	37·4	37·8	37·8	37·0	39·6	40·0	39·2	38·0	36·8	38·4	36·6	36·6	38·4	8
9	38·0	37·0	32·8	38·2	37·0	37·8	35·2	40·0	38·8	39·0	39·0	38·0	40·0	37·2	37·0	38·4	9
10	38·0	37·4	34·0	37·4	36·4	37·0	32·4	39·6	36·8	38·6	38·6	38·8	40·0	37·8	38·6	37·8	10
11	36·0	36·6	34·0	37·6	35·8	36·0	32·2	36·0	33·6	37·0	37·0	39·2	37·6	37·8	40·0	36·4	11
Noon	34·4	35·0	33·8	37·0	34·6	34·4	31·6	32·4	32·0	34·0	35·0	36·4	34·6	36·2	39·0	34·3	Noon
13h	33·2	33·0	33·8	36·2	34·0	34·0	30·8	30·0	31·6	31·4	33·0	34·0	33·0	34·0	35·0	32·6	13h
14	31·6	32·4	33·8	35·2	33·8	33·8	30·6	30·0	32·2	30·0	32·0	32·0	32·2	32·2	33·6	31·8	14
15	31·0	33·8	34·0	34·8	33·8	33·6	33·0	32·2	33·2	30·4	32·8	31·2	32·2	32·2	33·6	32·2	15
16	31·6	32·6	34·4	34·4	34·0	34·0	34·0	35·0	34·0	31·4	33·6	32·2	33·4	33·2	33·8	33·0	16
17	32·2	33·4	35·2	34·8	35·0	35·0	35·2	37·0	35·8	33·6	34·0	33·8	34·2	34·0	33·6	34·3	17
18	35·0	34·0	35·8	35·6	35·4	34·6	35·8	37·0	36·4	35·4	34·8	34·2	35·0	34·2	34·0	35·2	18
19	34·0	34·8	35·6	35·6	35·4	34·8	35·6	36·2	36·6	36·0	35·8	34·6	35·8	35·6	34·8	35·5	19
20	34·0	34·2	35·2	35·4	35·4	35·0	35·8	36·0	36·2	36·2	36·0	35·6	36·0	35·8	35·6	35·5	20
21	34·2	35·0	35·6	35·8	35·6	35·4	35·8	36·0	36·4	36·0	35·8	35·6	36·0	36·0	36·0	35·6	21
22	35·2	35·4	35·8	35·8	35·8	36·0	36·0	36·0	36·2	36·2	35·8	36·2	36·2	36·4	37·0	35·9	22
23	37·2	35·0	36·0	36·0	36·0	36·2	36·2	36·0	36·2	36·4	35·8	37·2	36·0	36·8	36·4	36·2	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).

DECEMBER 1927.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	·22000 + (C.G.S. UNIT).																
Midnight	785	790	809	809	812	820	808	807	807	800	808	810	822	741	799	795	Midnight
1h	782	789	803	807	813	810	807	810	806	804	811	810	822	772	800	794	1h
2	790	792	802	807	813	808	807	812	804	813	810	811	829	762	801	794	2
3	792	795	805	806	812	810	809	811	802	812	810	811	827	787	808	797	3
4	797	797	806	805	814	813	809	810	805	809	810	811	830	790	809	799	4
5	809	803	808	805	813	814	810	810	806	810	809	811	831	792	819	799	5
6	810	802	812	805	815	810	809	810	809	812	810	812	832	798	810	800	6
7	819	811	819	807	820	810	813	810	803	814	815	819	839	800	813	805	7
8	822	821	822	812	829	811	820	811	803	819	821	825	840	786	818	802	8
9	827	828	819	819	844	815	822	813	805	828	830	828	850	770	818	805	9
10	822	815	820	828	860	832	830	817	808	832	833	819	867	784	803	810	10
11	824	818	828	833	864	832	830	828	812	832	833	815	865	788	783	809	11
Noon	822	814	825	839	851	837	836	829	820	830	830	810	861	780	777	790	Noon
13h	820	810	819	827	841	830	835	830	829	819	821	810	863	787	780	783	13h
14	812	809	810	827	840	828	832	821	821	810	823	811	846	790	786	787	14
15	780	800	805	819	836	821	820	817	817	807	818	811	815	800	788	790	15
16	760	795	800	810	821	816	810	811	806	801	810	810	800	791	785	794	16
17	770	794	799	803	809	813	799	810	800	792	806	809	802	782	781	800	17
18	780	792	806	803	800	809	795	810	797	799	801	811	770	780	780	798	18
19	786	787	806	804	807	793	797	810	804	801	809	813	740	789	780	794	19
20	790	797	801	807	810	801	798	810	809	804	809	811	760	792	787	793	20
21	792	799	803	809	806	799	809	807	810	804	809	811	751	799	789	792	21
22	792	800	804	810	803	800	801	805	804	806	810	811	750	791	810	790	22
23	793	799	803	810	800	796	802	813	800	807	809	812	741	790	794	795	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d	30d.	31	Mean	Hour \ Day
	22000 + (C.G.S. UNIT).																
Midnight	793	790	777	791	800	802	812	..	...	...	...	...	...	...	...	798·9	Midnight
1h	797	792	779	791	801	809	815	...	...	...	...	..	...	...	...	800·4	1h
2	797	792	777	792	802	810	812	...	...	..	...	..	...	...	...	801·1	2
3	798	790	780	794	803	809	813	...	...	...	...	...	...	...	...	803·1	3
4	798	791	790	792	803	810	812	...	..	...	...	...	...	...	...	804·4	4
5	799	790	798	796	804	810	813	...	...	...	..	...		...	...	806·6	5
6	800	790	803	793	808	809	812	...	...	...	...	...	...	...	...	807·2	6
7	802	800	804	797	809	809	808	...	...	...	...	...	...	...	...	810·8	7
8	800	811	802	799	813	815	807	...	...	...	...	...	...	...	...	813·7	8
9	803	819	795	804	817	830	812	...	...	...	...	...	...	...	...	817·7	9
10	811	819	800	810	819	839	825	...	...	...	...	...	...	...	...	821·7	10
11	811	813	790	809	818	833	823	...	...	...	...	...	...	...	...	821·3	11
Noon	800	800	781	800	813	820	820	...	...	...	...	...	...	...	...	816·6	Noon
13	794	779	781	794	811	821	828	...	...	...	...	...	...	...	...	812·9	13h
14	800	771	780	791	811	823	827	...	...	...	...	...	...	...	...	810·4	14
15	782	772	770	787	810	820	803	...	...	...	...	...	...	...	...	803·9	15
16	779	770	771	787	810	813	801	...	...	...	...	...	...	...	...	797·7	16
17	770	760	766	790	808	809	802	...	...	...	...	...	...	...	...	794·2	17
18	790	741	771	791	803	809	809	...	...	...	...	...	...	...	...	792·6	18
19	783	757	780	793	801	810	..	...	...	...	...	...	...	...	...	792·9	19
20	795	760	789	797	801	810	...	...	...	...	...	...	...	...	...	796·9	20
21	799	766	790	798	801	812	...	...	...	...	...	...	...	...	...	798·0	21
22	800	769	790	800	803	813		...	...	...	...	...	...	...	...	798·3	22
23	805	779	792	801	802	812	...	...	...	...	..	...	...	...	...	798·0	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*).

DECEMBER 1927.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	K + (10—5 C.G.S. UNIT.)																
Midnight	23	27	22	22	21	22	23	23	25	26	25	25	22	39	27	27	Midnight
1h	23	27	23	22	21	22	22	23	24	24	23	23	22	40	27	27	1h
2	25	26	23	22	22	23	23	23	24	22	23	23	22	35	27	27	2
3	23	27	24	23	23	23	24	23	25	23	23	23	22	33	27	27	3
4	24	27	26	23	23	25	25	24	25	24	23	23	22	33	26	27	4
5	25	27	26	23	23	26	26	26	25	24	25	23	22	33	25	27	5
6	27	27	27	24	27	27	29	28	28	26	28	25	23	30	24	26	6
7	29	29	28	25	31	29	32	34	33	30	29	30	27	29	28	26	7
8	27	27	28	27	29	30	32	32	33	30	31	35	27	27	29	27	8
9	22	25	26	26	22	24	27	28	26	28	33	36	25	30	30	27	9
10	20	23	18	23	13	18	25	23	23	24	35	36	20	27	30	28	10
11	22	22	13	20	05	07	19	13	17	19	28	35	15	27	27	23	11
Noon	17	18	11	13	03	00	07	11	03	12	20	28	13	20	21	20	Noon
13h	13	13	10	11	10	04	07	14	01	13	20	22	05	16	18	14	13h
14	15	10	12	13	14	08	10	16	02	17	19	18	04	13	13	14	14
15	13	09	17	16	18	13	16	20	06	21	23	17	09	12	15	18	15
16	14	12	21	18	21	19	21	24	14	23	27	18	18	20	15	21	16
17	17	18	22	20	23	19	29	27	22	28	30	19	23	23	19	22	17
18	19	19	21	20	23	20	28	26	25	29	30	18	28	25	23	22	18
19	20	21	21	20	22	22	25	24	23	27	26	18	36	23	23	22	19
20	20	20	20	20	21	23	25	23	22	25	24	19	38	23	23	22	20
21	22	21	21	20	22	23	26	23	23	25	25	21	31	25	23	22	21
22	23	22	22	20	22	23	23	25	23	25	26	22	33	26	28	25	22
23	23	23	22	20	23	23	23	23	25	25	26	23	36	26	25	24	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	K + (10—5 C.G.S. UNIT.)																
Midnight	25	27	32	27	22	22	21	20	19	18	20	18	26	21	19	23·7	Midnight
1h	25	27	33	26	22	21	20	20	18	18	20	18	22	21	20	23·4	1h
2	26	27	33	26	22	21	20	20	17	18	19	18	24	21	20	23·3	2
3	26	27	33	26	23	21	20	20	18	18	18	17	24	21	20	23·4	3
4	26	27	33	27	23	22	20	20	19	18	18	17	24	21	20	23·7	4
5	26	27	31	28	25	22	21	21	20	19	18	17	22	20	19	23·9	5
6	27	27	29	29	26	23	23	22	21	20	19	17	22	20	19	24·8	6
7	26	28	25	30	26	25	24	23	25	22	22	17	22	20	18	26·5	7
8	25	28	22	31	22	21	20	22	26	21	23	19	27	18	15	26·2	8
9	30	29	28	32	19	19	13	21	24	20	26	23	32	20	13	25·3	9
10	28	29	31	29	16	17	02	21	18	19	23	25	30	20	17	22·9	10
11	21	24	30	23	18	15	02	10	10	14	18	24	22	19	19	18·7	11
Noon	17	20	29	20	13	15	03	00	03	06	10	20	17	15	13	13·5	Noon
13h	13	20	27	17	11	15	08	03	03	02	03	12	10	12	07	11·2	13h
14	10	20	28	13	11	16	13	01	08	01	03	08	10	09	05	11·4	14
15	10	20	31	12	13	14	18	08	13	05	03	08	13	07	10	13·8	15
16	16	21	31	13	16	13	21	13	13	08	07	09	14	12	11	16·9	16
17	20	22	32	13	20	17	23	17	18	13	10	11	17	13	08	19·8	17
18	28	27	33	17	21	18	23	18	20	17	12	13	18	14	10	21·5	18
19	27	29	29	19	20	18	21	16	18	18	13	13	19	15	12	21·3	19
20	24	28	27	20	20	18	20	16	18	19	14	15	19	14	12	21·0	20
21	25	30	27	21	21	20	21	17	18	19	16	18	20	17	13	21·8	21
22	24	30	27	22	22	20	21	18	16	20	17	18	21	18	17	22·6	22
23	28	31	27	22	22	20	21	18	19	20	17	22	21	19	17	23·0	23

* Absolute values cannot be allotted. The figures are consistent apart from instrumental drift throughout the month, but discontinuities may occur between successive months. These will be noted

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of DECEMBER 1927.

Month and Day 1927	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	Amount of Rain measured at 8 a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction degrees *	Wind. Velocity.	Highest.	Lowest.	Range				
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
1	969·5	20·6	1·3	18·6	88	21·2	270	4·5		15·5		4·3	4·9	11·0	83
2	968·7	24·5	1·5	21·9	85	26·0	250	0·9		18·1		7·0	0·0	6·2	47
3	970·5	22·5	0·8	21·1	92	24·8	240	3·1		19·4		6·0	1·7	9·9	75
4	968·7	23·4	1·3	21·1	87	24·8	260	6·3		18·7		5·1	0·0	7·9	60
5	968·5	23·9	2·7	19·1	74	21·9	250	1·3		17·5		2·3	0·0	10·5	80
6	967·3	24·7	2·5	20·4	77	23·7	230	0·9		18·2		4·3	0·0	7·8	59
7	967·1	21·9	0·4	21·2	96	24·9	220	3·1		17·2		6·2	6·8	11·1	84
8	967·4	24·7	2·4	20·6	78	24·0	200	0·9		18·9		4·1	0·0	10·6	80
9	967·4	25·6	2·4	21·5	78	25·4	200	0·9		18·3		5·3	0·0	7·3	55
10	968·0	25·4	1·8	22·3	83	26·7	210	3·1		19·3		2·3	0·0	8·6	65
11	969·3	24·1	2·0	20·7	81	24·2	240	5·8		19·5		4·2	0·0	11·6	87
12	969·6	23·3	1·9	20·0	82	23·2	250	7·6		19·6		5·1	0·7	10·2	77
13	968·4	22·0	0·8	20·6	92	24·0	230	7·2		19·5		4·0	1·3	9·4	71
14	966·4	24·8	2·2	21·0	79	24·6	220	2.2		19·5		4·1	0·0	9·4	71
15	964·8	24·6	2·3	20·6	78	24·0	200	0·5		18·8		3·3	0·0	4·8	36
16	964·2	25·0	2·4	20·9	78	24·5	Calm			18·1		6·2	29·0	4·5	34
17	963·5	24·7	1·6	22·0	85	26·2	Calm			15·1		5·1	12·4	6·3	47
18	964·4	25·5	2·1	21·9	80	26·0	Calm			16·8		9·1	0·0	5·5	41
19	963·8	26·3	2·4	22·2	78	26·5	Calm			18·6		8·1	0·0	6·2	47
20	963·7	22·9	0·9	21·3	91	25·1	Calm			21·1		10·0	1·9	0·0	0
21	963·1	23·9	1·2	22·0	89	26·2	160	1·3		20·7		9·0	16·3	2·6	20
22	965·3	23·4	0·8	22·0	92	26·2	140	0·9		20·9		10·0	7·8	0·3	2
23	966·4	24·2	1·3	22·0	88	26·2	Calm			20·7		7·0	12·7	2·0	15
24	965·7	25·9	2·0	22·5	82	27·0	Calm			18·5		6·1	58·6	5·8	44
25	965·3	23·3	0·4	22·6	96	27·1	Calm			20·0		8·0	43·1	2·1	16
26	965·7	23·4	1·0	21·7	90	25·7	240	6·3		21·0		9·2	5·9	0·8	6
27	966·6	22·4	0·4	21·7	96	25·7	230	8·9		22·2		10·0	6·6	1·3	10
28	964·3	23·1	0·8	21·7	90	25·7	230	7·6		21·1		10·0	7·3	1·1	8
29	964·2	21·9	0·4	21·2	96	24·9	220	8·1		21·1		10·0	13·0	0·0	0
30	966·1	22·0	0·4	21·3	96	25·1	220	5·8		19·8		10·0	3·3	0·2	2
31	966·9	22·1	0·7	20·9	93	24·5	220	5·8		19·7		5·1	0·0	6·0	45
Mean	966·1	23·7	1·4	21·2	86.1	25·0	231·3	3.8		19·1		6·5	Sum 233·3	5 84	44·1
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Thermometer broken

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

Mean of the month at 10 a.m.:

Atmospheric Pressure	+ 42·3 mbs
Temperature of the Air	+ 3·4°C
Vapour Tension	— 1·3 mbs
Relative Humidity	— 19·3%
Direction of Wind	27.4°E
Velocity of Wind	— 0·8 m.p.s.
Amount of cloud	0·0

Amount of rain	—72·0 mm.
Duration of sunshine	+ 52·7 hrs
Mean of highest temperatures	...
Mean of lowest temperatures	+ 3·0°C
Absolute highest temperature	...
Absolute lowest temperature	+ 4·3°C

* South 0 West 90 North 180 East 270.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1927.

Month and Day 1927	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)
	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min	mm.	
1	1010·5	+ 2·0	26·8	20·3	6·5	23·2	— 1·6	3·0	18·0	— 0·9	73	+ 3	20·4	20·0	0·0	...	6·4	3·0
2	1010·5	+ 2·0	27·1	21·1	6·0	23·9	— 0·9	2·1	20·3	+ 1·3	80	+ 10	23·6	20·9	0·5	20	3·7	4·4
3	1011·5	+ 3·1	28·6	22·2	6·4	24·8	— 0·1	2·8	20·0	+ 0·9	75	+ 5	23·2	20·7	0·2	10	6·8	4·9
4	1010·9	+ 2·6	27·8	21·2	6·6	24·0	— 0·9	3·0	18·8	— 0·3	73	+ 2	21·5	19·2	0·1	5	7·1	6·3
5	1009·9	+ 1·7	29·2	19·4	9·8	24·1	— 0·9	3·6	17·9	— 1·3	68	— 3	20·3	17·2	0·0	...	7·8	2·1
6	1008·6	+ 0·4	28·9	20·9	8·0	24·8	— 0·2	3·2	19·3	0·0	72	+ 1	22·2	18·1	0·2	10	7·2	3·7
7	1008·4	+ 0.3	29·1	22·4	6·7	25·5	+ 0·4	3·0	20·4	+ 1·0	73	+ 2	23·7	20·9	0·0	...	6·8	5·3
8	1008·2	+ 0·2	30·4	21·9	8·5	25·8	+ 0·7	3·2	20·4	+ 1·0	72	+ 1	23·7	17·5	0·0	...	7·8	3·4
9	1008·5	+ 0·5	31·2	21·1	10·1	26·0	+ 0·8	3·6	19·9	+ 0·4	69	— 2	23·0	17·5	0·1	5	7·1	4·2
10	1009·9	+ 2·0	30·9	21·7	9·2	25·7	+ 0·5	3·7	19·5	— 0·1	69	— 2	22·4	19·7	0·0	...	8·0	3·1
11	1011·1	+ 3·3	29·3	22·5	6·8	25·4	+ 0·1	3·4	19·6	0·0	70	— 1	22·6	19·5	0·0	...	7·6	3·8
12	1011·3	+ 3·5	28·6	22·9	5·7	25·2	— 0·1	3·5	19·2	— 0·5	69	— 3	22·0	20·0	0·0	...	7·5	4·8
13	1009·4	+ 1·7	28·8	22·8	6·0	25·0	— 0·3	3·4	19·2	— 0·5	70	— 2	22·0	19·9	0·0	...	7·5	4·1
14	1007·6	0·0	29·5	22·1	7·4	25·0	— 0·4	3·2	19·5	— 0·3	71	— 1	22·4	19·0	0·0	...	8·0	3·8
15	1006·0	— 1·6	30·6	21·5	9·1	25·2	— 0·2	3·5	19·2	— 0·7	69	— 3	22·0	19·0	0·0	...	7·2	5·6
16	1005·5	— 2·0	31·1	20·6	10·5	25·0	— 0·4	3·6	18·9	— 1·0	69	— 3	21·6	19·2	0·0	...	6·7	5·1
17	1005·4	— 2·1	32·1	20·1	12·0	25·8	+ 0·4	4·0	19·0	— 1·0	66	— 6	21·8	17·2	0·0	...	7·0	4·5
18	1005·8	— 1·6	33·1	20·1	13·0	26·2	+ 0·7	4·2	19·1	— 0·9	65	— 7	21·9	17·1	0·0	...	8·6	4·6
19	1005·3	— 2·0	32·0	20·9	11·1	26·9	+ 1·4	4·1	20·0	— 0·1	66	— 6	23·2	16·6	0·0	...	7·5	5·6
20	1004.2	— 3·1	28·0	24·0	4·0	25·5	0·0	1·7	22·6	+ 2·5	84	+ 12	27·2	22·2	4·3	220	3·1	9·8
21	1004·2	— 3·0	30·9	23·9	7·0	26·3	+ 0·7	2·0	22·9	+ 2·7	81	+ 8	27·6	23·4	7·2	105	5·9	8·3
22	1006·1	— 1.1	31·0	23·1	7·9	26·3	+ 0·7	1·9	23·1	+ 2·9	83	+ 10	28·0	23·1	37·0	125	5·0	7·4
23	1007·2	+ 0·1	27·0	22·9	4·1	24·5	— 1·1	1·0	22·8	+ 2·5	90	+ 17	27·5	21·1	64·2	255	4·0	8·1
24	1006·9	— 0·1	30·0	22·9	7·1	25·6	0·0	2·3	21·7	+ 1·4	79	+ 6	25·7	21·2	0·3	15	5·5	3·5
25	1006·7	— 0·3	28·3	22·6	5·7	25·2	— 0·5	1·7	22·3	+ 2·0	84	+ 11	26·7	20·9	10·2	90	7·0	6·4
26	1008·1	+ 1·2	27·3	23·7	3·6	24·8	— 0·9	1·4	22·4	+ 2·0	86	+ 13	26·8	21·6	7·9	80	4·4	9·1
27	1007·8	+ 1·0	27·6	24·2	3·4	25·5	— 0·2	2·0	22·1	+ 1·7	82	+ 9	26·3	22·8	1·2	15	4·2	8·7
28	1005·5	— 1·2	28·2	22·5	5·7	25·5	— 0·2	2·2	21·8	+ 1·3	80	+ 7	25·9	21·6	8·7	55	3·5	10·0
29	1005·7	— 1·0	26·9	23·5	3·4	25·0	— 0·8	2·2	21·3	+ 0·8	80	+ 6	25·1	22·0	0·7	15	3·7	9·8
30	1007·2	+ 0·6	26·3	23·0	3·3	24·6	— 1·2	1·5	22·0	+ 1·4	86	+ 12	26·2	21·7	16·8	105	4·8	10·0
31	1007·7	+ 1·1	28·6	22·3	6·3	24·9	— 0·9	2·4	20·8	+ 0·2	78	+ 4	24·3	21·1	1·7	5	6·5	7·7
Mean	1007.8	+ 0·3	29·2	22·1	7·1	25·2	— 0.2	2·8	20·5	+ 0·6	75·2	+ 3·2	23·9	20·1	Sum 161·3	Sum 1135	6·3	5·8
Aver	1007·5	...	29·8	21·7	8·1	25·4	...	3·3	19·9	...	72·0	...	23·0	19·1	120·1	1330	6·4	5·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF DECEMBER 1927.

From the 1st to the 13th pressure was persistently above normal. It dropped markedly towards the end of the month: which period was characterized by high humidity.

During the negative wave, thunder and lightning was observed, accompanied by heavy rains.

A cyclone formed to the North of St. Brandon (Cargados Carayos) on the 27th.

Its position on subsequent dates at 9 a.m. was:—

Dec: 28th	...	17.0° S	57.3° E
29th	...	21.5° S	54.0° E
30th	...	22.4° S	52.0° E
31st	...	25.3° S	50.5° E

After the 31st it moved away on a Southeasterly course. It is probable that a secondary to this cyclone was in existence about 18° S 53° E on the 28th and moved Northward before being absorbed in the larger cyclone.

A strong Northeasterly gale was experienced at Réunion during the 28th.

Air temperature was very variable and 0.2° C below normal in the mean.

Relative Humidity and Vapour Tension were much above normal Cloudiness was 7 % above normal, whilst sunshine was 9% below. Wind Direction was 12° more Northerly than normal.

Rainfall at thn Observatory was 34% above normal in amount and 15% below in duration.

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

Northern Districts	River System 1,	5% below	Western Districts	River System 11	81%	above
Eastern Districts	,, ,, 2, 3, 4,	96% above		,, ,, 12	31%	,,
South-Eastern Districts	,, ,, 5 & 6	3% above		,, 13	118%	,,

February 18 1928.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1927.

Month and Day 1927.	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	6 inches	3 inches	Weather
DECEMBER	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	
1	10·6	80	− 1·5	+ 3·9	291	4·1	4·4	+ 1·0	24·1	24·4	26·3	26·4	25·8	25·4	f
2	6·0	46	− 0·3	+ 3·0	276	3·0	3·2	− 0·2	23·8	24·7	26·3	26·3	25·9	25·7	b: f b
3	11·2	85	− 0·3	+ 3·4	275	3·4	3·5	+ 0·1	24·0	24·5	26·2	26·4	26·3	26·4	f : c
4	10·3	78	− 1·1	+ 4·3	284	4·4	4·5	+ 1·1	24·1	24·7	26·2	26·6	26·5	26·5	b : c
5	12·5	95	− 0·6	+ 2·9	282	2·9	3·1	− 0·3	24·0	24·6	26·2	26·6	26·5	26·6	f
6	11·1	84	− 0·3	+ 2·6	277	2·6	2·8	− 0·6	24·0	24·6	26·3	27·0	27·0	27·2	b : f
7	11·8	89	+ 0·1	+ 3·0	268	3·0	3·1	− 0·3	23·8	24·6	26·6	27·1	27·4	27·8	c : f : b
8	11·4	86	+ 0·6	+ 2·4	256	2·4	2·5	− 0·9	24·0	24·7	26·6	27·6	27·8	28·1	b : c : b
9	12·1	91	+ 0·7	+ 1·9	250	2·0	2·1	− 1·3	23·9	24·7	26·8	28·0	28·0	28·2	f
10	12·0	90	− 0·1	+ 2·0	273	2·0	2·1	− 1·3	23·9	24·7	27·0	28·2	28·2	28·4	f
11	11·7	88	− 0·6	+ 2·0	287	2·1	2·2	− 1·2	24·1	24·8	27.1	28·4	28·2	28·3	b : f
12	11·0	83	− 1·2	+ 4·8	284	4·9	5·0	+ 1·6	23·9	24·8	27·3	28·4	27·9	27·8	f
13	11·2	84	− 0·6	+ 4·3	278	4·3	4·4	+ 1·0	24·0	24·8	27·4	28·2	27·6	27·5	b : c : f
14	11·2	84	− 0·4	+ 3·3	277	3·3	3·4	− 0·1	23·9	24·9	27·4	28·0	27·7	27·9	b : f
15	8·2	62	+ 0·7	+ 2·2	252	2·3	2·4	− 1·1	23·9	24·9	27·4	28·2	27·9	28·1	f
16	7·3	55	+ 0·7	+ 0·7	225	1·0	1·8	− 1·7	23·9	24·9	27·5	28·4	27·9	28·0	b : f : c
17	10·5	79	+ 1·1	− 0·4	160	1·1	2·1	− 1·4	24·2	25·0	27·6	28·3	27·8	27 7	f
18	10·5	79	+ 0·5	− 1·6	107	1·7	2·1	− 1·4	24·2	25·0	27·6	28·4	28·3	28·9	b : c
19	8·0	60	+ 1·0	+ 1·0	225	1·4	2·1	− 1·4	23·9	25·1	27·7	28·9	28·8	29·2	b : f cg
20	0·0	0	+ 1·0	+ 0·1	186	1·0	1·5	− 2·0	24·2	25·1	27·9	29·0	28·7	28·6	ogd
21	3·1	23	+ 2·4	− 0·3	173	2·4	2·6	− 0·9	24·2	25·2	27·9	28·5	28·2	27·9	cg
22	2·2	17	+ 1·6	− 0·6	159	1·7	2·3	− 1·2	24·2	25·3	27·9	28·5	28·1	28·1	: f c : ogrlt
23	2·8	21	− 0·4	+ 0·7	300	0·8	1·4	− 2·1	23·9	25·4	27·9	28·0	27·3	27·0	cg : f : b
24	8·1	61	− 0·6	+ 1·7	289	1·8	2·2	− 1·3	24·2	25.4	27·9	28·0	27·4	27·5	b : f
25	3·8	29	− 0·4	+ 1·7	283	1·7	1·9	− 1·6	24·2	25·4	27·8	28·0	27·5	27·5	b: cg
26	1·1	8	− 0·5	+ 3·7	278	3·7	4·0	+ 0·5	24·2	25·4	27·7	27·9	27·2	26·9	ogp
27	3·2	24	− 0·5	+ 5·7	275	5·7	5·9	+ 2·4	24·2	25·5	27·6	27·4	26·7	26·4	c : og
28	2·4	18	+ 0·7	+ 6·4	264	6·4	6·4	+ 2·9	24·2	25·5	27·5	27·1	26·6	26·4	ogq
29	1·6	12	+ 2·2	+ 5·3	247	5·7	5·8	+ 2·3	24·2	25·5	27·4	27·1	26 3	25·9	cg
30	0·7	5	+ 1·0	+ 3·5	254	3·6	3·7	+ 0·2	24·2	25·5	27·2	26·7	25·9	25·7	ogp
31	6·2	47	+ 1·0	+ 3·4	254	3·5	3·6	+ 0·1	24·2	25·6	27·1	26·7	26·1	26·1	og : f
Mean	7·54	56·9	+0·19	+ 2·48	266·0	2·49	3·16	−0·30	24·05	25·00	27·20	27 70	27·35	26·99	...
Average	8·30	62·2	−0·10	+ 2·60	272·2	2·60	3·46		24·60	25·73	27·13	27·94	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF DECEMBER 1927.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1013·0mbs	at	22h	on 3rd	1002·7 mbs	at	18h	on 20th
Temperature of the Air	33·1C	at	13·00h	on 18th	19·4C	at	05·25h	on 5th
Daily range of temperature of the Air...	13·0C		...	on 18th	3·3C		...	on 30th
Temperature of the Dew Point	24·8C	at	11h	on 22nd	16·6C	at	11h	on 5th
Daily range of temperature of the Dew Point	4·8C	...	...	on 18th	1·4C	...	...	on 27th
Relative humidity...	99.0%	at	2h	on 23rd	42·4%	at	13h	on 18th
Wind Velocity	7·8 m.p.s.	at	·10h	on 27th	0·6 mps	at	often	on often
Rainfall	100·8 mm	ending	15h	on the 23rd	...		...	...
Temperature of the soil at 3 ins. ...	32·0C	at	·18h	on 18th	23·8C	at	6h	on 1st
, at 6 ns. ...	29·6 C	at	·21h	on 18th	25·1C	at	9h	on 1st
Duration of sunshine	12·5 hrs.		...	on 5th	0·0h		...	20th
Amount of Evaporation in 24 hours	8·0 mm.		...	on 10th & 14th	3·1 m.m		...	on 20th
Vapour Tension	31·0 mbs	at	11h	on 22nd	18·7 mbs	at	11h	on 5th
Minimum on Grass	...		...	...	16·6°C		...	on 19th

Number of Days Overcast, 10 Clear 2, of Rain 17 of Lightning 1, of Thunderstorm 1.

Mean Day Temperature of Air, 27·00C. Average 27·69C Mean Night Temperature of Air. 23·37C. Average 23·68C.

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

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

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

DECEMBER 1927.

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

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour
Midnight	0110	0110	0118	0120	0114	0100	0097	0095	0087	0101	0108	0118	0112	0088	0070	0067	Midnight
1h	0105	0108	0111	0111	0108	0091	0090	0090	0083	0096	0101	0117	0107	0082	0063	0060	1h
2	0101	0101	0109	0108	0100	0089	0081	0084	0080	0094	0100	0111	0100	0079	0060	0056	2
3	0100	0101	0107	0106	0098	0087	0078	0082	0074	0091	0099	0111	0097	0076	0057	0051	3
4	0101	0101	0110	0107	0099	0088	0078	0080	0076	0090	0100	0111	0094	0078	0055	0050	4
5	0100	0101	0111	0110	0099	0089	0079	0081	0077	0092	0103	0114	0093	0079	0058	0050	5
6	0108	0106	0118	0113	0105	0091	0083	0087	0081	0098	0111	0119	0098	0082	0062	0053	6
7	0112	0110	0122	0116	0109	0097	0088	0091	0087	0099	0116	0120	0100	0086	0065	0059	7
8	0116	0110	0123	0113	0112	0099	0089	0093	0091	0099	0117	0121	0103	0085	0067	0061	8
9	0118	0108	0125	0112	0112	0095	0090	0092	0091	0102	0119	0122	0102	0087	0067	0062	9
10	0119	0108	0125	0112	0109	0091	0089	0091	0090	0102	0117	0119	0100	0084	0068	0060	10
11	0115	0108	0121	0110	0106	0088	0087	0088	0089	0101	0114	0114	0098	0080	0065	0057	11
Noon	0108	0100	0118	0102	0100	0082	0083	0082	0088	0100	0111	0110	0093	0076	0061	0052	Noon
13h	0101	0098	0110	0101	0097	0079	0080	0079	0081	0098	0109	0105	0090	0074	0056	0050	13h
14	0097	0093	0104	0100	0088	0072	0078	0072	0079	0093	0106	0100	0087	0070	0051	0043	14
15	0090	0091	0100	0093	0082	0068	0072	0068	0073	0091	0101	0100	0083	0061	0050	0043	15
16	0090	0091	0100	0091	0079	0063	0070	0065	0071	0089	0100	0098	0080	0060	0050	0043	16
17	0090	0093	0102	0096	0079	0066	0074	0066	0073	0091	0102	0100	0080	0060	0050	0049	17
18	0094	0099	0109	0100	0081	0070	0079	0070	0080	0099	0108	0104	0086	0063	0050	0051	18
19	0102	0105	0117	0110	0091	0078	0084	0074	0089	0106	0112	0111	0088	0067	0056	0058	19
20	0110	0114	0122	0116	0100	0089	0091	0081	0093	0109	0120	0119	0092	0071	0060	0060	20
21	0112	0119	0128	0120	0103	0093	0091	0088	0100	0111	0124	0120	0093	0079	0063	0061	21
22	0113	0120	0130	0120	0105	0100	0098	0090	0104	0113	0128	0121	0099	0080	0070	0065	22
23	0112	0119	0128	0120	0103	0100	0098	0090	0103	0111	0125	0119	0098	0078	0071	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	Hour
Midnight	0057	0061	0062	0052	0045	0056	0072	0080	0073	0080	0089	0076	0053	0066	0084	1008·5	Midnight
1h	0051	0056	0057	0047	0040	0051	0063	0072	0069	0073	0080	0066	0047	0061	0078	1007·8	1h
2	0050	0050	0053	0041	0037	0050	0058	0069	0062	0068	0075	0057	0043	0061	0071	1007·4	2
3	0044	0047	0051	0041	0030	0046	0057	0063	0060	0063	0071	0056	0041	0063	0070	1007·2	3
4	0046	0043	0049	0039	0031	0047	0059	0063	0057	0065	0068	0056	0042	0062	0068	1007·1	4
5	0050	0049	0051	0042	0034	0050	0061	0069	0060	0070	0072	0057	0048	0067	0069	1007·4	5
6	0058	0056	0057	0049	0039	0057	0066	0073	0061	0073	0080	0061	0051	0073	0074	1007·9	6
7	0060	0060	0057	0050	0043	0062	0071	0079	0067	0078	0088	0063	0059	0077	0080	1008·3	7
8	0062	0067	0060	0051	0050	0063	0076	0078	0067	0080	0088	0068	0062	0078	0082	1008·5	8
9	0063	0065	0060	0051	0050	0067	0079	0072	0070	0082	0088	0067	0064	0077	0083	1008·5	9
10	0061	0063	0060	0051	0050	0069	0080	0071	0070	0082	0085	0061	0063	0079	0084	1008·4	10
11	0060	0059	0057	0047	0044	0070	0080	0069	0070	0081	0083	0061	0063	0074	0080	1008·2	11
Noon	0055	0054	0051	0045	0041	0067	0080	0065	0069	0076	0082	0058	0060	0073	0080	1007·8	Noon
13h	0051	0051	0050	0040	0039	0062	0081	0062	0064	0078	0080	0051	0058	0071	0076	1007·5	13h
14	0047	0050	0044	0038	0035	0060	0071	0059	0059	0078	0074	0044	0056	0067	0071	1007·1	14
15	0041	0050	0040	0031	0030	0056	0064	0059	0052	0073	0068	0034	0050	0065	0067	1006·6	15
16	0041	0049	0038	0029	0030	0050	0060	0053	0053	0071	0063	0035	0048	0062	0065	1006·4	16
17	0045	0050	0041	0030	0034	0051	0064	0059	0060	0078	0067	0039	0048	0067	0069	1006·7	17
18	0050	0059	0049	0027	0040	0056	0068	0060	0065	0088	0071	0044	0053	0070	0073	1007·1	18
19	0055	0062	0054	0030	0052	0064	0077	0069	0072	0100	0079	0052	0060	0078	0079	1007·8	19
20	0059	0069	0060	0041	0050	0070	0083	0076	0076	0101	0080	0053	0065	0080	0083	1008·4	20
21	0061	0071	0060	0048	0051	0071	0087	0077	0081	0100	0081	0056	0072	0082	0087	1008·7	21
22	0063	0071	0062	0051	0060	0078	0089	0079	0083	0100	0081	0060	0074	0088	0090	1009·0	22
23	0064	0070	0059	0051	0060	0079	0088	0078	0083	0093	0080	0060	0071	0088	0090	1008·9	23

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

Hour \ Day.	DECEMBER 1927.																															Mean.
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	
Midnight	1	1	4	1	0	0	8	1	1	2	1	3	1	0	2	2	4	0	0	10	9	1	10	0	0	9	9	10	10	10	10	3·9
1h	1	2	2	1	0	0	7	2	1	2	1	4	1	0	5	3	5	0	0	10	9	0	10	0	0	8	8	10	9	10	10	3·9
2	1	2	2	1	0	0	8	2	1	2	1	4	1	0	8	3	4	0	0	10	9	2	10	0	0	5	8	10	9	10	10	4·0
3	1	2	1	1	0	0	7	2	1	3	1	3	2	1	9	3	1	0	0	10	9	3	10	0	0	5	7	10	8	10	10	3·9
4	1	2	2	1	0	0	5	1	2	2	1	3	2	1	8	2	5	0	0	10	9	1	10	0	1	6	5	10	9	10	10	3·8
5	1	2	2	2	1	1	3	1	4	2	1	3	3	1	5	2	5	0	1	10	8	5	10	0	1	8	5	10	10	10	10	4·1
6	2	7	4	10	1	3	3	2	9	3	3	3	8	2	4	5	4	2	2	10	9	9	10	2	2	9	3	10	10	10	10	5·5
7	3	6	6	9	2	3	6	2	7	3	4	6	7	5	4	6	2	3	1	10	10	10	10	2	8	9	5	10	10	10	10	6·1
8	5	4	5	9	2	4	5	2	8	4	5	8	8	7	6	8	8	8	3	10	10	10	10	4	8	9	7	10	10	10	10	7·0
9	6	2	5	9	2	5	5	3	6	2	6	9	6	6	5	7	6	8	5	10	10	10	10	3	9	10	10	10	10	10	10	6·9
10	10	10	7	9	5	8	6	4	7	3	6	9	5	8	6	7	6	8	6	10	9	10	10	6	10	10	10	10	10	10	10	7·9
11	7	8	8	9	6	5	6	4	7	5	6	6	6	7	5	6	6	8	5	10	8	7	10	6	10	10	10	10	10	10	10	7·5
Noon	6	7	10	9	5	5	7	5	8	4	5	5	9	5	7	6	7	7	6	10	8	7	10	6	10	10	10	10	10	10	10	7·6
13h	6	9	8	8	4	8	7	6	8	5	5	7	8	6	6	7	7	6	8	10	9	7	10	8	10	10	10	9	10	10	10	7·8
14	4	9	8	8	3	9	7	7	5	5	5	5	9	7	6	7	6	6	8	10	10	9	10	8	9	10	10	10	10	10	8	7·7
15	3	10	7	9	3	7	8	8	4	3	6	5	5	7	8	7	5	6	8	10	10	10	8	10	9	10	10	10	10	10	7	7·5
16	3	8	8	9	3	5	8	7	3	6	7	6	5	7	9	8	7	7	9	10	9	10	8	8	9	10	10	10	10	10	7	7·6
17	3	5	9	9	3	3	8	7	2	7	8	7	4	8	9	9	8	8	10	10	8	9	8	6	9	10	10	10	10	10	8	7·6
18	2	3	8	9	3	2	4	7	3	5	3	6	4	6	9	9	7	9	10	10	10	9	8	7	7	10	10	10	10	10	8	7·0
19	2	2	5	8	3	2	4	5	2	3	5	7	3	4	8	7	5	9	10	10	10	8	9	4	8	10	10	10	10	10	5	6·4
20	1	1	3	8	2	2	3	2	2	2	4	4	2	2	5	3	2	9	10	9	8	7	7	2	6	10	10	10	10	10	3	5·1
21	0	0	2	9	2	2	3	1	3	1	2	1	0	0	0	1	1	5	9	9	4	10	1	1	8	10	10	10	10	10	2	4·1
22	1	1	1	4	1	4	2	0	2	1	2	1	0	0	0	0	0	2	9	9	5	10	0	1	8	10	10	10	10	10	1	3·7
23	1	2	1	1	0	6	1	1	3	0	2	1	0	0	1	4	0	0	9	9	3	10	0	0	7	10	10	10	10	10	1	3·6

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

Hour* Ending \ Day.	DECEMBER 1927.																															Total
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	5	5	0	0	6	6	5	2	0	0	10	0	0	0	1	0	10	10	15	0	0	0	0	12	0	0	0	0	0	0	0	1·5
7	60	58	40	29	60	59	45	60	60	60	40	35	50	56	50	28	57	55	55	0	7	0	0	53	0	0	40	0	0	7	2	17·4
8	60	54	55	55	60	60	60	60	60	60	60	50	50	55	60	55	50	60	60	0	0	0	0	55	0	7	60	6	0	2	1	20·3
9	58	60	54	55	60	58	60	60	60	60	60	41	58	55	60	45	45	60	60	0	0	2	0	60	43	3	7	5	1	11	20	20·4
10	20	35	60	53	60	50	60	60	60	60	60	58	60	60	60	48	60	25	60	0	14	0	2	60	14	1	20	24	12	0	0	19·3
11	9	36	60	55	60	42	60	60	60	60	60	58	60	60	60	55	35	58	55	0	45	0	2	60	0	8	55	0	0	2	3	19·6
Noon	54	55	60	60	60	60	60	60	60	60	60	60	60	60	60	50	20	60	56	0	60	10	0	60	0	46	7	39	52	0	38	23·1
13h	59	25	60	60	60	60	60	60	58	60	60	60	51	60	60	50	45	60	50	0	31	60	0	47	0	2	5	37	23	0	45	21·8
14	58	9	60	51	60	20	58	58	50	60	60	60	40	60	59	50	55	60	45	0	15	59	20	0	12	0	1	19	0	0	30	18·8
15	55	6	60	60	60	53	60	58	60	60	60	60	52	60	20	55	53	60	16	0	2	0	42	0	18	0	0	15	0	10	58	18·6
16	60	15	59	60	60	60	57	45	60	60	60	60	60	53	3	0	60	60	3	0	4	0	46	13	45	0	0	0	5	4	60	17·9
17	60	0	55	60	60	60	58	40	60	58	55	53	60	47	0	0	60	55	4	0	10	0	7	15	52	0	0	0	0	4	60	16·6
18	60	3	29	21	60	60	43	51	60	55	57	60	60	45	0	0	54	5	0	0	0	0	43	35	42	0	0	0	0	0	38	14·7
19	17	0	18	0	23	17	25	12	15	6	0	6	10	0	0	0	25	0	0	0	0	0	5	15	0	0	0	0	0	0	20	3·6

The total amount of registered sunshine was 233·7 hours and the total possible sunshine 411.5 hours.

* Reckoned from apparent midnight.

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

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

DECEMBER 1927

Day / Hour	1d. Air.	1d. Excess of Air over Evap	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day / Hour
Midnight	22·0	2·1	21·2	1·3	22·8	0·9	22·6	1·4	21·2	1·5	22·0	1·6	23·7	1·7	23·9	1·7	Midnight
1h	21·7	1·8	21·6	1·3	22·7	0·9	22·3	1·3	21·0	1·7	21·9	1·2	23·5	1·5	23·6	1·5	1h
2	21·3	1·8	21·4	1·0	22·6	0·8	22·1	1·3	20·6	1·5	21·6	1·0	23·0	1·3	22·9	1·1	2
3	21·1	1·8	21·5	0·9	22·7	0·9	22·0	1·1	20·7	1·7	21·3	1·0	23·0	1·3	22·3	1·1	3
4	21·0	2·0	21·7	1·0	22·3	0·8	22·2	1·3	20·1	1·3	21·2	0·9	22·9	1·4	22·0	0·8	4
5	20·8	2·9	21·9	1·0	22·2	0·7	22·0	1·0	19·8	1·3	21·0	0·8	22·5	1·2	22·2	0·9	5
6	21·1	2·1	22·0	1·0	22·3	0·8	22·0	1·1	19·8	1·1	21·9	1·1	23·3	1·6	23·3	1·0	6
7	22·9	2·8	24·7	2·7	24·9	2·0	23·7	2·3	23·9	3·3	24·8	2·8	24·7	2·5	25·9	2·9	7
8	23·8	3·6	25·1	2·8	25·1	2·4	24·5	3·2	24·9	4·2	26·0	4·0	25·5	3·2	27·0	4·0	8
9	24·1	3·2	26·6	4·1	26·9	4·1	25·8	4·0	26·8	5·9	27·0	5·0	27·6	4·8	28·3	5·2	9
10	23·1	3·0	24·4	2·0	27·6	4·8	26·4	4·4	27·0	6·0	28·9	5·0	27·7	4·7	28·7	5·6	10
11	25·0	4·1	26·1	3·4	27·8	5·1	27·1	5·2	27·5	6·5	28·3	6·2	28·2	5·2	29·4	6·1	11
Noon	26·0	5·0	26·9	4·2	27·8	4·9	27·0	5·3	28·0	6·3	28·6	6·4	28·3	5·2	29·4	5·9	Noon
13h	26·0	5·0	25·9	3·3	28·2	5·8	27·0	5·3	27·7	6·5	28·4	6·1	28·0	4·8	29·0	5·7	13h
14	26·1	5·0	26·3	3·5	28·0	5·7	26·7	5·2	28·7	6·8	27·8	5·6	28·0	4·9	30·4	6·7	14
15	26·3	4·9	25·9	3·0	27·3	4·8	26·7	5·1	28·0	6·7	28·3	0·0	28·3	4·9	28·7	5·3	15
16	26·0	4·8	25·3	2·5	26·9	4·3	26·3	5·0	26·9	5·6	27·4	5·4	27·8	4·7	28·1	4·9	16
17	25·1	4·1	25·3	3·2	25·7	3·6	25·2	4·1	26·0	4·8	26·3	4·4	27·1	4·3	27·3	4·2	17
18	24·0	3·7	24·3	2·3	25·3	3·1	24·2	3·3	25·0	3·8	25·2	3·8	26·3	3·6	26·0	3·2	18
19	22·8	2·7	23·4	1·5	24·0	2·6	23·5	2·6	23·8	2·8	24·3	2·4	25·0	2·6	25·3	2·6	19
20	22·1	2·1	22·7	1·0	23·4	2·1	22·8	2·4	23·0	2·0	23·5	1·8	24·7	2·2	24·8	2·4	20
21	21·7	1·8	22·5	1·1	23·0	1·8	22·1	1·9	22·7	1·8	23·0	1·7	24·5	1·7	24·3	2·0	21
22	21·7	1·6	22·6	0·9	22·8	1·7	21·7	1·7	22·1	1·4	23·7	1·8	24·3	1·8	23·4	1·5	22
23	21·7	1·4	22·4	0·7	22·9	1·7	21·4	1·6	21·9	1·6	23·7	1·7	24·2	1·8	23·0	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.	16. Air.	16. Excess of Air over Evap.	Day. / Hour
Midnight	23·0	1·7	23·6	1·7	23·2	1·5	23·9	2·3	23·5	2·3	23·1	1·5	22·2	1·3	22·0	1·6	Midnight
1h	22·5	1·3	23·3	1·5	23·2	1·9	23·7	2·0	23·4	2·2	22·8	1·4	22·1	1·1	21·8	1·6	1h
2	22·0	1·1	22·3	1·2	23·1	1·4	23·7	2·2	23·3	2·2	22·5	1·3	22·0	1·1	21·3	1·2	2
3	21·2	1·1	22·5	1·4	22·7	1·4	23·6	2·2	23·0	2·0	22·5	1·3	22·0	1·1	21·0	0·1	3
4	21·6	1·2	22·3	1·3	22·5	1·3	23·1	1·9	23·0	2·0	22·3	1·2	21·9	1·0	20·7	1·8	4
5	22·7	0·9	22·0	1·2	22·6	1·3	23·0	1·9	23·0	2·0	22·1	1·1	21·8	0·9	20·8	1·2	5
6	24·3	1·5	22·0	1·1	23·2	1·7	23·6	2·4	23·0	1·3	22·1	1·1	22·1	1·8	21·0	1·3	6
7	26·0	3·0	25·0	2·2	25·1	2·7	25·1	3·1	23·6	1·8	24·3	2·2	25·3	3·3	24·0	2·8	7
8	27·4	4·4	27·0	4·4	26·7	4·0	25·2	3·0	25·1	2·9	26·1	3·8	26·6	4·4	26·7	4·3	8
9	28·4	5·7	27·9	5·2	27·1	4.1	25·0	2·6	26·3	4·2	27·0	4·8	28·2	5·7	27·1	4·7	9
10	29·5	6·6	28·8	5·6	28·5	5·5	26·2	3·9	27·2	4·8	27·5	5·4	28·6	6·0	29·3	6·3	10
11	30·9	7·7	29·1	6·3	28·2	5·2	27·2	5·2	28·0	6·1	28·1	5·5	28·8	5·9	28·7	6·3	11
Noon	30·5	7·0	29·1	6·4	28.7	5·7	28·0	5·8	28.2	6·1	28·7	6·3	29·6	6·6	29·5	6·5	Noon
13h	29·0	5·8	29·8	7·5	28·3	5·3	28·3	6·1	27·0	4·8	28·5	6·0	29·2	6·6	29·1	6·2	13h
14	29·3	6·1	29·6	7·6	28·0	5·3	28·0	6·0	27·0	4·8	28·7	6·4	29·0	7·0	30·5	7·3	14
15	30·2	6·9	29·3	7·2	28·1	5·8	27·5	5·6	27·7	5·9	28·3	6·3	28·4	6·1	29·7	6·7	15
16	29·4	6·2	28·4	6·3	27·1	4·7	27·1	5·1	27·1	5·2	27·0	4·7	27·0	4·9	28·5	5·6	16
17	27·5	4·6	27·1	4·9	26·9	4·7	26·3	4·6	26·7	5·3	26·9	4·7	26·7	4·5	27·0	4·5	17
18	26·3	3·8	26·1	4·0	25·4	3·1	25·5	3·8	25·4	4.1	25·0	2·7	25·7	4·3	25·3	3·2	18
19	25·2	2·8	25·0	3·0	24·7	2·7	24·7	3·0	24·5	3·1	24·7	2·8	24·9	3·2	25·0	3·0	19
20	24·6	2·3	24·5	2·5	24·3	2·5	24·2	2·5	23·8	2·5	24·1	2·2	24·3	2·4	24·3	2·9	20
21	24·1	2·0	24·0	2·1	24·1	2·8	24·0	2·6	23·3	2.1	23·3	2·0	23·2	1·9	23·0	2·1	21
22	24·1	1·8	23·9	2·0	24·0	2·8	24·1	2·5	23·0	1.9	22·7	1·6	22·6	1·6	22·6	2·1	22
23	24·0	1·8	23·7	1·9	23·8	2·7	23·7	2·5	23·7	2·3	22·5	1·5	22·7	1·8	22·1	1·7	23

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

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

DECEMBER 1927

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	1·7	22·4	1·8	22·7	2·4	26·2	2·2	24·0	1·0	24·1	1·0	23·0	0·1	23·2	0·9	Midnight
1h	21·5	1·4	22·1	1·8	22·0	2·1	26·0	2·6	24·2	0·9	23·7	0·7	23·1	0·1	23·0	0·8	1h
2	21·1	1·2	21·2	1·4	21·5	1·7	25·7	2·3	24·3	0·9	23·9	0·9	23·2	0·1	22·9	1·0	2
3	20·4	1·1	20·9	1·4	21·3	1·3	25·0	1·4	24·3	1·0	23·8	0·9	23·4	0·2	23·1	1·0	3
4	20·3	1·0	20·3	1·0	21·1	1·2	24·6	1·4	24·4	0·7	23·7	0·7	23·6	0·5	23·0	1·9	4
5	20·2	0·9	20·1	1·1	20·9	1·2	24·6	1·3	24·3	0·7	23·8	0.8	23·0	0·2	23·0	0·8	5
6	21·0	1.1	21·3	1·2	22·7	2·5	24·2	1·2	24·7	1·0	24·1	0·7	24·0	0·9	24·2	1·5	6
7	24·9	2·6	25·0	2·1	26·5	3·7	24·2	1·3	26·0	1·1	25·1	0·7	24·4	0·7	25·6	1·8	7
8	26.3	3·6	27·3	4·4	28·6	5·4	24·7	1·5	24·3	0·8	26·1	1·1	25·0	1·0	26·5	2·6	8
9	28.2	5·5	28·7	5·7	29·6	5·9	25·1	1·3	25·3	1·4	27·0	1·8	25·3	0·6	27·6	3·6	9
10	30·7	8·1	28·7	5·2	30·5	6·9	26·0	1·7	28·4	3·0	27·3	2·1	25·1	0·2	28·0	3·9	10
11	29·3	6·3	30·7	6·6	30·4	6·5	27·1	2·3	29·2	3·7	27·1	1·4	26·3	1·2	28·7	4·5	11
Noon	29·7	7·3	32·6	8·5	31·5	7·4	27·7	3·1	30·6	5·3	29·1	3·0	25·0	0·7	29·0	4·8	Noon
13	30·4	7·7	33·1	9·0	31·8	7·7	27·6	3·3	30·3	5·1	30·3	4·6	23·0	0·3	28·8	3·1	13h
14	31.9	8·5	31·3	7·6	31·1	7·1	26·8	2.1	29·0	3·9	30·0	4·6	24·9	0·7	27·9	4·1	14
15	30·8	7·4	30·7	6·6	30·8	6·7	26·3	1.6	28·6	3·5	28·9	3·9	26·2	2·3	26·4	2·3	15
16	30·3	6·8	30·3	7·0	30·0	5·7	26·5	2·2	28·9	3·8	28·3	3·3	26·9	2·6	26·9	3·5	16
17	29.1	5·4	28·1	5·0	28·9	4·9	25·9	1.8	28·0	3·0	27·6	2·9	26·7	2·2	27·0	3·6	17
18	28·0	4·9	27·7	4·7	28·0	4·1	25·1	1·4	27·2	2·6	28·0	3·1	26·7	3·4	26·9	2·8	18
19	26·8	3·8	26·5	4·1	27·1	3·2	25·0	1·2	25·0	1·2	27·3	2·3	25·0	1·8	25·3	2·1	19
20	25·6	3·4	26·0	4·0	27·0	3·0	25·0	1·3	25·1	1·0	27·0	2·1	24·2	1·1	24·9	1·7	20
21	24·4	2·6	25·7	3·6	26·8	2·8	24·7	1·0	25·2	1·1	26·7	2·0	23·7	0·9	24·3	1·3	21
22	23·6	2·4	24·8	3·4	26·7	2.7	24·5	0·9	25·0	1·0	25.0	1·5	23·2	0·7	24·0	1·1	22
23	23·0	2·0	23·8	2·8	26·3	2·3	24·3	1·1	24·7	1·0	23·2	0·3	23·0	0·9	23·7	1·0	23

Hour \ Day	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day / Hour
Midnight	23·6	0·8	24·2	0·9	24·6	1·2	25·0	2·1	24·0	0·9	24·8	2·6	24·0	1·1	23·3	1·5	Midnight
1h	23·3	0 6	24·1	0·8	24·5	1·2	24·9	1·9	24·0	1·0	24·1	1·6	23·8	1·0	23·1	1·4	1h
2	23·4	0·7	24·0	0·7	24·5	1·3	24·9	2·5	24·1	1·1	23·9	1·4	23·9	1·1	22·8	1·2	2
3	23·2	0·8	24·0	0·8	24·5	1·4	24·9	2·3	24·1	1·2	23·5	0·7	23·4	0·8	22·7	1·2	3
4	23·0	0·7	24·0	0·9	24·3	1·4	24·8	1·9	23·8	1·0	23·3	1·0	22·5	0·5	22·5	1·1	4
5	22·9	0·8	23·8	1·0	24·3	1·4	24·7	1·8	23·6	1·0	23·6	0·7	22·5	0·7	22·4	1·0	5
6	23 2	0·5	24·2	0·9	24·8	1·8	24·8	1·8	24·1	1·2	23·9	1·0	23·0	0·7	22·9	1·2	6
7	24·9	1·2	24·4	0·8	25·5	2·1	24·9	1·8	24·7	1·6	24·9	1·8	23·9	0·7	24·8	2·1	7
8	26·8	2·7	25·0	1·2	26·5	2·7	25·7	2·3	25·2	2·0	24·9	1·8	24·7	1·8	25·8	3·0	8
9	25·3	1·9	24·5	0·8	26·3	2·6	26·3	3·0	25·6	1·9	25·5	2·3	25·3	2·6	26·6	3·6	9
10	25·1	1·0	25·7	1·6	26·9	3·2	25·9	2·5	25·6	2·5	24·1	0·6	25·7	2·8	27·1	4·0	10
11	24·6	0·8	26·2	2·5	27·3	3·4	26·9	3·2	24·9	1·7	25·0	1·5	26·5	3·6	27·7	4·5	11
Noon	25·9	1·9	27·3	3·6	25·9	1·8	27·3	3·8	26·4	3·1	24·8	0·9	26·9	4·2	28.2	4·9	Noon
13h	27·5	3·3	26·9	3·8	26·1	1·9	28·0	4·0	26·4	3·1	25·0	1·3	27·0	4·1	28·1	5·0	13h
14	27·4	3·5	25·9	1·8	26·6	2·5	27·0	3·4	26·3	3·3	25·4	2·1	26·8	4·3	28·1	5·0	14
15	28·3	4·3	25·0	1·1	26·1	2·1	26·4	2·6	25·7	2·7	26·2	2·7	28·6	5·3	27·9	4·8	15
16	27·4	3·5	24·6	0·9	26·0	2·3	26·0	2·2	25·7	3·0	26·1	2·8	26·8	3·9	27·3	4·3	16
17	27·3	3·5	24·9	1·8	25·7	2·2	26·0	2·3	25·5	3·2	25·7	2·5	26·3	3·4	26·6	3·8	17
18	26·4	2.4	25·0	1·4	25·2	1·9	25·3	2·1	25·2	2·9	25·4	2·4	26·0	3·3	25·8	3·2	18
19	25·4	1·6	24·4	1·3	25·1	2·1	24·6	1·5	25·0	2·8	24·4	1·6	24·9	2·5	24·9	2·4	19
20	24·8	1·1	24·2	0·9	25·0	2·0	24·6	1·6	24.5	2·4	24·1	1·1	24·4	2·4	24·4	2·1	20
21	24·9	1·3	24·4	1·2	25·1	2·1	24·6	1·6	24·6	2·6	24·1	1·1	24·0	2·0	24·1	1·9	21
22	24·6	1·2	24·5	1·2	25·1	2·1	24·2	1·2	24·8	2·8	24·1	1·1	23·8	2·0	23·8	1·8	22
23	24·4	1·1	24·6	1·0	25·1	2·0	24 0	1·0	24·7	2·7	24·0	1·0	23·3	1·6	23·5	1·6	23

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

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

DECEMBER 1927.

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	864	936	892	919	891	921	881	929	887	934	890	914	890	915	903	917	Midnight
1h	870	945	890	923	889	926	875	937	890	923	890	914	888	919	902	912	1h
2	875	938	891	922	896	919	885	937	887	920	891	912	886	921	904	918	2
3	874	940	893	915	894	930	887	932	885	915	889	916	890	925	902	912	3
4	869	931	894	914	896	921	888	930	886	914	890	915	890	925	903	917	4
5	879	932	889	926	896	918	889	927	890	910	889	917	892	920	900	916	5
6	884	940	888	919	890	923	884	924	892	908	887	919	892	920	900	910	6
7	867	950	885	937	895	922	891	946	889	927	888	931	889	928	900	925	7
8	879	952	881	946	900	936	900	951	900	933	900	928	900	947	905	926	8
9	877	956	900	939	900	936	900	951	908	937	894	931	909	945	906	930	9
10	909	943	900	938	909	942	886	968	887	934	887	933	900	946	906	930	10
11	900	948	900	944	909	943	900	948	900	937	909	942	910	951	914	935	11
Noon	900	956	900	946	900	956	888	960	900	944	908	941	910	949	916	940	Noon
13h	882	944	916	940	900	950	900	961	900	944	914	934	908	941	914	934	13h
14	880	948	909	942	900	954	888	960	909	943	907	935	908	941	921	932	14
15	883	943	908	938	900	953	913	962	909	943	907	935	909	942	916	939	15
16	883	943	900	936	910	948	889	956	908	938	907	935	908	937	919	929	16
17	900	944	900	934	908	939	876	957	900	943	907	936	907	932	913	933	7
18	891	943	900	929	907	933	890	951	892	941	907	934	905	923	907	932	18
19	888	931	900	926	894	931	882	927	900	928	900	930	905	923	900	923	19
20	891	921	900	922	890	925	882	927	889	917	900	919	904	918	904	918	20
21	890	924	900	925	888	930	885	924	886	921	897	917	904	919	900	911	21
22	890	925	895	922	890	924	889	928	882	927	890	915	904	919	900	918	22
23	890	923	889	927	885	938	889	927	882	927	890	914	904	918	900	914	23

Day / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	900	910	900	918	895	907	886	936	900	943	888	931	896	920	900	911	Midnight
1h	900	917	900	914	893	915	887	934	885	937	890	925	897	914	900	907	1h
2	900	911	900	917	895	911	889	929	887	933	890	924	897	914	900	906	2
3	900	912	900	915	894	913	887	933	889	929	891	921	895	924	900	910	3
4	900	916	900	914	896	910	890	923	882	927	893	917	896	919	896	910	4
5	900	918	900	917	896	910	892	920	882	927	892	920	897	917	896	910	5
6	900	912	900	912	897	907	889	928	885	938	892	919	897	916	897	906	6
7	901	907	900	912	895	911	883	943	891	943	884	924	906	930	896	910	7
8	906	915	905	911	894	914	877	956	900	959	891	945	907	932	904	918	8
9	915	910	903	913	890	915	878	954	888	959	900	938	913	934	910	914	9
10	921	921	900	929	894	930	887	963	892	940	900	948	924	924	917	911	10
11	922	922	914	936	894	928	900	972	912	957	910	948	927	927	910	923	11
Noon	925	925	900	946	900	935	900	977	915	975	911	952	931	931	923	923	Noon
13h	908	941	900	948	900	941	887	966	900	958	909	943	924	936	941	917	13h
14	918	945	906	930	900	943	886	967	900	947	910	947	912	930	943	918	14
15	917	941	907	936	893	935	886	972	900	967	909	943	918	927	939	900	15
16	921	932	893	932	882	927	889	953	900	955	900	939	906	929	927	911	16
17	911	929	894	928	895	926	888	960	900	954	884	940	903	916	919	908	17
18	903	917	892	920	890	923	900	954	900	948	884	939	905	925	887	887	18
19	902	911	892	911	894	915	880	949	887	934	900	939	904	919	896	896	19
20	900	907	895	907	894	914	886	936	889	926	894	927	900	911	894	894	20
21	900	913	897	905	895	911	885	938	890	924	895	922	900	916	892	892	21
22	900	913	893	910	894	913	882	944	892	920	896	920	900	914	887	894	22
23	900	912	893	909	896	909	883	941	893	936	896	921	900	907	894	897	23

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

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

DECEMBER 1927.

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	891	896	907	884	891	902	904	906	904	906	906	900	888	891	892	911	Midnight
1h	886	910	906	887	883	903	911	916	904	907	908	900	890	896	890	915	1h
2	892	908	907	885	889	905	908	908	904	906	906	900	891	904	894	913	2
3	892	908	906	886	887	906	915	903	906	908	913	900	904	910	887	920	3
4	889	911	906	887	891	907	906	903	906	908	906	906	903	906	887	919	4
5	887	913	907	885	891	907	906	903	904	907	904	904	895	912	891	913	5
6	892	908	905	889	893	904	906	899	904	906	905	905	891	907	889	916	6
7	895	905	905	889	890	907	907	899	918	912	908	908	894	902	885	923	7
8	909	913	908	892	900	915	908	898	936	893	915	910	900	906	883	926	8
9	915	910	912	905	916	907	908	898	912	902	932	907	900	914	889	929	9
10	930	900	911	873	922	922	908	892	943	900	934	900	892	880	881	928	10
11	930	888	927	873	916	924	922	878	959	900	928	889	904	890	914	935	11
Noon	935	900	932	868	925	925	920	880	947	900	934	866	912	882	913	933	Noon
13h	941	892	934	866	938	915	917	883	956	877	941	883	873	927	875	895	13h
14	948	890	917	874	940	916	909	888	945	882	940	874	896	921	911	926	14
15	941	883	893	864	935	907	905	889	945	882	939	884	902	910	884	916	15
16	927	873	912	869	933	900	916	893	940	884	920	887	906	908	880	886	16
17	917	874	889	873	925	910	920	896	946	881	934	900	906	903	903	917	17
18	903	883	896	879	918	918	910	914	936	886	925	890	894	915	908	919	18
19	904	890	890	890	911	911	907	916	915	885	911	895	892	920	904	919	19
20	903	894	891	898	912	909	913	919	911	898	912	895	893	915	900	910	20
21	908	890	894	899	908	908	909	913	915	897	915	894	889	916	900	914	21
22	905	888	888	898	910	910	908	911	909	898	883	883	893	910	900	907	22
23	905	889	889	902	907	907	905	907	906	899	880	880	893	910	900	913	23

Day. / Hour	25d.		26d.		27d.		28d.		29d.		30d.		31		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	895	912	890	915	887	932	890	948	919	946	916	940	900	928	895	919	Midnight
1h	895	912	889	916	883	941	900	957	922	953	914	935	900	923	894	920	1h
2	896	910	887	919	881	946	900	969	920	949	912	930	905	922	896	920	2
3	896	910	887	920	877	956	900	954	921	952	927	927	905	926	897	920	3
4	896	909	883	925	881	947	900	959	920	949	900	930	900	941	895	920	4
5	895	911	880	930	882	943	900	955	920	948	906	931	900	941	895	920	5
6	897	908	888	931	889	952	900	966	918	944	906	928	907	935	896	919	6
7	896	910	878	952	900	967	900	965	919	947	907	934	905	926	896	926	7
8	883	925	883	942	900	964	914	969	925	959	910	951	908	937	901	931	8
9	882	927	900	943	900	966	915	976	923	955	909	944	917	943	904	932	9
10	889	916	916	939	900	978	913	964	926	963	907	935	909	946	906	930	10
11	884	916	911	954	885	975	913	966	924	958	908	937	919	947	912	932	11
Noon	891	921	914	967	912	958	912	957	929	971	916	940	925	959	914	935	Noon
13h	932	921	900	960	913	963	914	967	924	958	919	946	920	948	913	932	13
14	911	929	884	940	900	960	915	976	926	962	917	941	916	939	912	932	13
15	913	932	888	957	900	971	914	969	925	959	920	948	925	937	911	932	14
16	905	924	900	947	900	964	900	972	927	966	915	937	909	943	907	927	15
17	905	922	890	947	900	950	900	971	920	948	909	946	916	939	906	928	16
18	889	916	900	942	900	964	913	964	923	955	908	939	915	938	903	926	17
19	893	916	930	920	900	950	900	961	921	952	907	933	910	923	901	922	18
20	896	910	906	927	900	950	900	970	922	952	905	923	908	918	899	919	19
21	892	910	900	930	900	961	913	963	917	941	906	927	904	918	899	918	20
22	891	913	900	927	900	953	911	954	919	946	904	919	904	921	897	918	21
23	889	916	887	934	900	960	912	957	919	946	900	923	904	918	896	919	22

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during DECEMBER 1927.

The directions are given in points and the values indicate the direction from which the wind blows counting from South (0), West (8), North (16) and East (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 1927.

Hour \ Day	1d. Dir.	1d. Vel.	2d. Dir.	2d. Vel.	3d. Dir.	3d. Vel.	4d. Dir.	4d. Vel.	5d. Dir.	5d. Vel.	6d. Dir.	6d. Vel.	7d Dir.	7d Vel.	8d Dir.	8d Vel.	9d. Dir.	9d. Vel.	10d. Dir.	10d. Vel.	11d. Dir.	11d. Vel.	12d. Dir.	12d. Vel.	13d. Dir.	13d. Vel.	14d. Dir.	14d. Vel.	15d. Dir.	15d. Vel.	16d * Dir.	16d * Vel.
Midnight	28	5·1	26	2·1	26	2·3	27	3·5	26	3·6	27	1·7	27	1·8	23	1·7	24	1·0	24	1·8	27	0·9	26	3·9	24	4·3	26	3·3	25	2·0	24	1.1
1h	27	5·4	26	2·5	26	2·8	27	4·5	26	2·5	27	1·7	27	2·2	23	1·2	24	1·7	24	1·4	26	1·7	26	3·6	26	4·0	26	2·7	25	1·4	24	0·7
2	27	4·6	26	2·4	25	1·9	26	4·0	27	2·4	27	1·5	27	2·5	23	1·8	24	1·1	24	1·7	26	1·2	26	3·1	26	3·5	26	2·6	25	1·4	24	0·6
3	27	4·8	26	1·7	25	3·1	26	3·4	28	2·2	27	1·9	26	2·7	23	1·2	24	1·2	24	1·5	26	1·4	26	3·5	26	3·1	26	2·3	25	2·5	24	1·0
4	28	4·4	26	1·5	25	2·1	26	3·2	28	2·0	27	1·8	26	2·7	23	1·7	24	1·6	24	1·4	26	1·1	26	2·5	27	3·2	26	1·9	25	1·9	26	1·1
5	27	3·8	26	2·8	25	1·8	26	2·9	28	1·4	27	2·0	26	2·2	24	1·6	24	1·8	24	1·7	26	1·1	26	2·2	27	3·3	26	2·2	25	1·7	26	1·1
6	26	4·3	27	2·2	26	2·5	27	2·9	28	1·2	27	2·3	26	2·2	24	1·0	24	1·2	24	1·2	26	0·8	26	3·0	26	4·1	26	2·1	25	1·6	26	0·7
7	27	6·0	26	4·0	25	2·3	25	4·7	26	2·9	26	3·3	26	3·0	24	2·5	23	0·7	24	1·2	26	1·2	26	4·6	25	4·4	27	2·9	23	3·1	26	1·1
8	26	5·6	26	5·0	24	3·6	24	5·1	24	3·3	24	2·8	24	4·7	23	2·7	22	1·6	22	1·2	26	1·5	26	6·1	24	5·9	25	4·6	23	3·3	23	1·8
9	26	6·1	24	3·9	24	3·6	24	5·1	23	3·8	25	3·2	23	4·6	23	3·1	19	1·8	23	1·3	27	1·8	26	5·9	25	6·0	24	3·8	22	3·6	21	1·7
10	23	4·4	24	3·8	23	4·3	25	6·9	26	3·6	26	3·5	24	4·6	23	3·1	20	3·0	24	2·9	25	3·1	25	6·4	25	4·1	24	4·8	20	3·4	19	2·0
11	24	4·8	24	4·4	23	4·4	24	4·8	24	3·7	23	4·3	23	5·2	22	3·8	20	3·2	22	3·9	25	2·9	24	7·2	23	5·8	23	4·9	20	3·9	22	2·5
Noon	24	5·6	24	4·6	24	5·6	25	6·1	24	4·4	23	4·2	23	5·0	22	4·3	20	3·5	24	4·6	24	3·5	24	7·7	23	7·6	23	5·3	20	4·4	20	3·3
13h	26	4·8	22	4·3	24	5·0	24	6·1	24	4·4	22	3·7	23	4·2	22	3·7	23	4·2	24	4·8	24	4·1	25	6·7	24	5·8	23	4·4	21	4·3	18	4·4
14	26	5·2	23	4·3	24	5·4	25	6·1	23	4·4	23	3·6	23	4·2	21	3·8	22	4·9	23	3·1	24	4·3	25	6·8	24	4·7	23	4·8	22	3·2	18	4·7
15	26	4·6	23	3·9	24	5·3	23	6·3	23	4·4	23	3·6	22	4·3	22	4·2	22	4·4	23	3·7	25	3·6	25	7·3	24	6·7	23	4·4	21	3·2	16	3·9
16	26	4·6	24	3·6	23	4·9	25	5·7	23	3·9	23	3·7	23	3·8	21	3·5	21	3·8	25	3·3	27	3·3	25	5·4	24	5·5	24	3·9	23	3·0	18	2·9
17	24	4·4	24	3·4	23	4·0	26	6·2	24	4·3	23	3·7	23	3·3	22	3·5	22	3·1	25	2·9	25	2·7	25	6·1	24	5·4	26	4·3	23	1·6	18	2·1
18	25	4·4	24	2·9	23	3·4	25	5·2	25	4·2	23	3·5	23	2·4	23	3·3	23	1·7	26	2·2	26	2·5	24	5·4	24	4·8	26	4·2	23	2·6	r 4	1·8
19	26	3·3	24	2·6	25	3·2	27	3·2	24	2·8	24	3·0	23	2·4	24	2·3	23	1·1	27	1·4	26	1·6	26	5·3	26	3·6	24	3·9	23	1·9	4	0·6
20	26	2·3	24	2·2	26	2·7	27	3·2	27	2·0	24	1·9	23	1·8	33	1·8	24	0·7	27	0·9	26	1·5	26	3·9	26	2·8	25	2·8	24	1·1	4	0·8
21	26	2·6	24	2·5	26	3·2	27	2·8	27	2·5	25	1·7	23	1·9	24	1·1	24	1·3	27	0·6	26	1·2	26	4·1	26	2·6	25	2·3	24	1·6	4	1·1
22	26	2·7	25	2·3	26	2·6	26	3·0	27	3·2	27	1·8	23	1·9	24	1·8	24	1·3	27	1·2	26	1·4	26	4·8	26	2·2	25	2·0	24	1·4	2	1·4
23	26	2·5	26	2·9	26	4·1	26	2·9	27	3·2	27	1·7	23	1·8	24	1·4	24	1·2	26	1·1	26	1·0	26	4·4	25	3·7	25	2·1	24	0·7	2	0.7

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

r = retrograde. d = direct

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for DECEMBER 1927.

Hour \ Day	1	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31
					mm.																							mm	mm	mm	
1h	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·9	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·3	..
3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1·0	..	..	..	..	..	..	..	..	..	2·3	..
4	..	..	0·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·3	..	..	..	..	..	..	..	..	..	..
5	..	..	..	0·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·5	..	..	2·2	..	..	..	..	..	0·2	1·9	..
6	..	..	0·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·7	..	..	..	..	..	0·9	..	..	..	..	1·7
7	..	..	..	..	..	0·2	..	..	..	..	..	..	..	..	..	..	..	..	..	0·8	0·4	..	..	..	..	1·0	..	..	..	..	..
8	..	..	..	..	..	..	..	..	0·1	..	..	..	..	..	..	..	..	..	..	..	1·0	0·4	0·8	..	..	..	..	0·6	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·1	0·5	..	..	..	..	0·2	..	0·0	..	..	..
10	..	0·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5·6	..	2·0	0·2	..	0·3	..	6·0	..
11	..	0·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5·4	..	..	..	0·2	0·2	..
Noon	..	0·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2·2	..	2·8	..	1·2	..	..	3·8	..
13h	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27·0	..	..	..	..	..	..	1·3	..
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24·5	..	..	0·8	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·1	..	..	1·0	..	..	1·2	..	..	..	..	..
16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·1	..	..	..	..	..	0·1	..
17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·2	..	..	..	0·1	..	..	..	..	..	..	..
18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·7	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4·2	..	..	..	..	0·1	..	..	..	0·4	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·8	..	..	..	..	3·3	..	..	0·3	..	..
21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·1	..	..	..	..	..	..	..	..	..	0·5	..
22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·1	..	3.0	..	..	..	..	..	0·1	..	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	330	..	0·1	..	..	..	0·2	..	..	..
24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·6	..	..	..	0·2	..	7·5	..	..	..

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART for the MONTH of DECEMBER 1927.

River System.	Register Number	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	3	St. Antoine	50	3·95	100·3	83·8	7
	3	Belmont	50	2·37	60·2	74·4	6
	4	Poudre d'Or	20	1·94	49·8	71·4	9
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	38·2	97·0	134·1	13
	10	Mont Piton	360	3·82	97·0	162·8	13
	11	Mon Choix	700	3·11	79·0	152·4	12
	12	Antcinette	640	6·26	159·0	146·6	11
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	7·58	192·5	147·3	15
	15	Mon Songe	620	7·50	190·5	157·2	12
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	5·19	131·8	127·8	14
	19	The Observatory ...	179	6·35	161·3	123·4	16
	20	Solitude§	175	...	...	...	...
	21	St André	90	6·70	170·2	99·3	10
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ ...	296	...	...	...	...
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart§ ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E.§ ...	600	...	...	...	...
	2	Constance d'Arifat L.G.	100	4·35	107·9	118·7	14
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	9·33	237·0	100·0	22
	5	Constance (Manès)§ ...	..	...	...	...	..
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)*	...	9·39	238·5	...	17
	10	St. Julien E(K Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ§	20	...	...	...	..
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	17·24	437·9	181·3	16
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	..
	9	Bonne Veine*	...	9·53	242·1	...	26
5	1	Rose Belle§	850	..	...	...	...
	2	Riche-en-Eau§	460	...	..	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	..	...
	5	Union Vale§	200	..	..	...	...
5 cont.	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate* ...	...	6·22	158·0	...	15
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	95·6	240·3	227·1	24
	2	Tivoli§	1,300	...	...	...	...
	3	La Flora*	1,050	10·51	267·0	...	22
	4	Britannia	730	9·05	229·9	230·6	24
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin§	300	...	...	..	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	..	...	...
	9	St. Avold*	900	8·93	226·8	...	18
	10	Terracine§	1000	...	...	...	...
	11	St. Félix S·E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	6·96	176·8	...	20
	15	Fontenelle*	..	6·26	17·17	...	16
	16	Combo§	..	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre	40	...	...	...	...
	3	Beau Champ*	...	..	...	...	...
	4	Board*	...	...	...	...	...
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	13·00	330·1	237·0	26
	3	Mare aux Vacoas ...	1,850	19·79	502·7	267·4	23
	4	La Marie Filter Bed ...	1,700	15·85	395·0	172·7	23
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse§	850	...	...	...	...
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1.250	...	...	...	...
	6	Highlands§	1,300	...	...	...	...
	7	Trianon	950	...	...	...	...
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	3·32	84·3	...	14
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	7·60	193·0	146·8	21
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin*	..	5·33	13·54	...	15
	15	Hermitage§	...	...	...	...	..
	16	Côte d'Or	...	8·48	21·54	...	17
	17	Mon Repos§	...	...	..	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute§	...	6·88	17·50	...	9

§ Records not received * Normals not available.

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of DECEMBER 1927.

Da \ Type	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. st. &c. Dir.	Cumulus Cu. st. &c. Vel./Height	Alto cu: Alto st: Dir.	Alto cu: Alto st: Vel./Height	Cirro Cumulu Dr.	Cirro Cumulu Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height	Time	Scud Dir.	Scud Vel./Height	Cum: Cu. st. &c. Dir.	Cum: Cu. st. &c. Vel./Height	Alto Cum Alto St: Dir.	Alto Cum Alto St: Vel./Height	Cirro Cum Dir.	Cirro Cum Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
	h	°	°	°	°	°	°	°	°	°	°	°	°	h	°	°	°	°	°	°	°	°	°	°	°	°
1	9½	...	...	270	15·3*	...	...	...	...	...	...	...	...	12	285	15·4	270	9·5	...	...	...	...	...	...	...	...
2	9¼	...	...	300	6·0*	...	...	...	...	...	...	...	...	14¾	285	12·2	...	...	...	...	...	...	...	...	...	...
3	11¾	...	...	270	3·5	...	...	...	...	...	...	105	1·2	18	...	...	...	...	...	...	...	...	...	...	120	3·8
4	9¾	270	18·6	...	...	...	...	...	...	...	...	105	2·9	...	...	...	...	...	...	...	...	...	...	...	...	...
5	10	...	...	270	8·3	...	...	...	...	...	...	120	1·5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	9¼	...	...	245	7·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	9¼	...	...	270	15·4*	...	...	...	...	...	...	...	...	13	...	...	240	7·3	...	...	...	...	...	...	...	...
8	9¼	...	...	225	4·7*	...	...	...	...	...	...	...	...	14½	...	...	240	3·3*	...	...	...	...	...	...	...	...
9	8½	...	...	...	...	...	...	...	...	...	...	105	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...
10	11¾	...	...	...	...	...	...	...	...	...	...	105	0·8	17½	285	10·4	345	2·7	...	...	...	...	...	...	105	0·7
11	9¾	...	...	285	6·3*	...	...	...	...	...	...	...	...	17	285	22·7	285	8·6	...	...	...	...	...	...	105	0·7
12	9¾	...	...	280	7·7*	...	...	...	...	...	...	...	...	15¼	...	...	315	9·7*	...	...	...	...	...	...	...	...
13	9¼	...	...	270	10·9*	...	...	...	...	...	...	...	...	15½	...	...	285	8·3*	...	...	...	...	...	...	90	1.2
14	9¼	...	...	255	8·6*	...	...	...	...	...	...	...	...	14¼	...	...	255	1·3	240	2·0	...	...	...	...	30	1·9
15	8½	270	9·6	270	4·7	...	...	...	...	90	3·4*	90	3·2	14½	...	...	275	7·4*	...	...	...	...	...	...	...	...
16	8	285	14·1	240	3·1	...	...	...	...	...	...	75	2·0	...	...	...	...	...	...	...	...	...	...	...	...	...
17	8¼	...	...	...	...	...	...	...	...	...	...	60	2·0	...	...	...	...	...	...	...	...	...	...	...	...	...
18	8¼	210	4·9	...	...	...	...	...	...	...	...	90	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...
19	8¾	...	...	195	4·4	165	2·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	12	165	27·7	180	16·0	135	2·5	...	...	...	...	135	2·7	...	...	...	...	...	...	...	...	...	...	...	...	...
22	11¼	155	10·4*	172	4·4*	...	...	...	...	...	...	...	...	13½	...	...	135	6·3*	...	...	90	2·0*	120	1·9*	...	...
23		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	10	270	11·8	...	...	...	...	...	...	...	...	105	4·8	14¾	...	...	195	11·3*	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	9½	...	...	270	20·1*	...	...	...	...	...	...	...	...	...	...	...	300	12·4*	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

Monthly and Yearly Means and Extremes of the Meteorological Elements for the Year 1927.

Month 1927.	Atmospheric Pressure	Temperature of the Air (Cent). Highest	Lowest	Absolute Range	Mean of the Daily Maxima	Mean of the Daily Minima	Mean of the Daily Ranges.	Mean.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Degree of Humidity (Saturation =100).	Elastic Force of Vapour.	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Mean Daily Amount of Evaporation.
	mbs.	c	c	c	c	c	c	c	c	c		mbs.	mm.	mins.	mm.
Jan.	1003·0	31·2	20·8	10·4	29·2	23·2	6·0	25·8	2·1	22·2	80·5	26·6	416·1	2642	5.3
Feb.	1002·1	30·7	19·9	10·8	28·9	23·0	5·9	25·6	1·9	22·4	82·7	27·0	251·5	1724	5.8
Mar.	1002·0	29·6	20·4	9·2	27·7	22·9	4·8	25·6	1·7	22·0	84·0	26·3	341·6	3152	4.8
Apr.	1007·6	28·5	19·7	8·8	27·2	21·6	5·6	24·1	2·1	20·5	80·5	23·9	90·7	739	4·3
May	1011·3	27·0	13·9	13·1	25·2	18·4	6·8	21·5	2·3	17·4	77·7	19·8	58·3	520	4.0
June	1013·3	25·1	13·0	12·1	23·9	16·5	7·4	19·8	2·4	15·5	76·1	17·5	35·4	500	3.6
July	1015·1	24·1	13·0	11·1	22·8	15·9	6·9	19·1	2·6	14·4	74·6	16·3	53·1	925	3.9
Aug.	1014·1	24·7	13·3	11·4	23·5	17·2	6·3	20·0	2·3	16·0	77·8	18·1	139·7	1746	4.1
Sep.	1013·3	26·0	13·3	12·7	24·2	16·7	7·5	20·2	3·0	14·9	71·9	16·8	30·1	331	4.8
Oct.	1012·8	28·2	14·1	14·1	26·0	17·8	8·2	21·8	3·0	16·5	72·2	18·6	37·9	665	5·8
Nov.	1009·9	31·0	17·9	13·1	27·6	20·3	7·3	23·6	3·0	18·4	73·0	21·1	18·9	419	6·0
Dec.	1007·8	33·1	19·4	13·7	29·2	22·1	7·1	25·2	2·8	20·5	75·2	23·9	161·3	1135	6·3
Year	1009·4	28·3	16·6	11·7	23·3	19·6	6·7	22·7	2·4	18·4	77·2	21·3	Sum 1634·6	hrs. 241·6	4·9
Max.	1021·0 July 9&10	33·1 Dec. 18	...	14·1 Oct.	29·2 Jan. & Dec.	...	8·2 Oct.	...	...	26·0 Feb. 18	100·0 often	33·3 Feb. 18	188.7 ending 13h. on Jan. 28		10·5 Feb.. 9
Min.	984·4 Jan. 28	...	13·0 June 5 & 21 July 6	8·8 April	...	15·9 July	4·8 Marrh	...	...	9·7 July 8	42·4 Dec. 18	11·9 July 8	...	...	0·2 May 28
Col.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Month 1927.	Temperature on the grass. Mean of the Daily Minima.	Temperature of the Soil (Cent.) Feet 10.	Feet 5.	Feet 2.	ins. 12.	ins. 6.	ins. 3.	Mean Amount of Cloud (0—10).	Daily Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. North Component.	East Component.	Resultant. Direction.	Velocity.	Recorded Velocity.	Number of Days of. Rain.	Thunder storms.	Lightning
	c	c	c	c	c	c	c		hrs.		m.p.s.	m.p.s.	°	m.p.s.	m.p.s.			
Jan.	21·8	25·24	26·21	27·98	28·33	27·91	28·17	6·8	7·08	53·8	−0·27	+2·57	276·0	2·58	3·51	25	7	3
Feb.	20·1	25·50	27·42	28·22	28·22	27·67	28·61	6·3	6·94	54·5	−0·36	+1·76	281·6	1·80	3·23	19	3	3
Mar.	20·6	25·52	26·82	27·75	27·38	26·65	27·82	7·3	5·93	48·7	−0·84	+3·03	285·5	3·14	1·62	25	0	1
Apr.	18·6	25·64	26·55	26·89	26·72	25·96	26·63	6·0	7·54	64·8	−0·72	+3·17	282·8	3·40	3·55	18	0	0
May	13·6	25·60	26·01	25·53	24·75	23·68	24·41	4·5	7·55	67·9	−1·18	+2·30	297·2	2·59	3·04	11	0	0
June	11·7	25·57	25·04	23·24	22·08	21·22	21·71	4·4	7·86	72·1	−1·35	+2·67	296·8	2·99	3·20	16	0	0
July	11·9	25·17	24·04	21·98	20·89	20·28	20·92	4·8	7·96	72·5	−2·60	+3·10	310·0	4·05	4·23	19	0	0
Aug.	13·6	24·29	23·37	22·13	21·71	21·24	22·40	5·9	7·19	63·1	−1·43	+3·31	293·2	3·61	3·81	25	0	0
Sep.	13·0	24·29	23·27	22·55	22·61	22·66	22·33	4·9	7·91	66·3	−1·29	+2·83	294·5	3·11	3·51	17	0	0
Oct.	14·5	24·08	23·47	23·72	24·39	23·79	23·79	4·5	9·35	74·9	−1·03	+2·60	291·6	2·80	3·30	14	0	0
Nov.	17·9	23·96	24·05	25·37	25·97	25·69	25·67	5·6	8·30	63·8	−1·50	+2·89	297·4	3·26	3·68	15	0	0
Dec.	20·1	24·05	25·00	27·20	27·70	27·35	26·99	5·8	7·54	56·9	+0·19	+2·48	266·0	2·49	3·16	17	1	1
Year	16·5	24·91	25·10	25·21	25·06	24·51	24·95	5·6	7·60	63·3	−1·03	+2·73	290·7	2·92	3·57	221	11	8
Max.	..	25·9 in April	27·9 in Feb.	28·7 in Feb.	29·2 in Jan.	31·2 Jan. 23	32·3 Feb. 6	10·0 often	12·5 Dec. 5	96 Feb. 3 June 13 sept. 30 Oct. 1	...	...	...	...	16·6 Jan. 28	25 Jan. Mar. & Aug.	7 Jan	3 Jan. Feb.
Min.	5·8 June 5, 7 & 21	23.8 in Nov. Dec.	23·1 in Aug. Sept	21·4 in July	20·1 in July	18·7 July 24	18·6 July 24	0.9 Sept 30	0·0 often	0 often	...	...	...	...	0·6 often	11 May	0	0
Col.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

Mean Monthly Values of the Magnetic Elements 1927

Month.	Declination (West)	Horizontal Force (C.G.S. Units.)	Vertical Force. (C.G.S. Units.)	Total Force (C.G.S. Units.)	Dip. (South)	X	Y	Z	Mean of the Daily Ranges: Declination.	Mean of the Daily Ranges: Horizontal Force. (Unit γ)	Mean of the Daily Ranges: Vertical Force (Unit γ)
	° ′				° ′						
January...	11°26·39	·22834	·29876	·37603	52°36.58	22381	—·04529	·29876	8·12	41.1	16·2
February	...	...	...	...	...	...	...	...	...	...	...
March ...	11°28·73	·22817	...	.	...	...	...	...	...	...	...
April ...	11°31·22	·22798	...	...	...	·22339	—·04554	..	8·12	42·5	...
May ...	11°31·37	·22795	·00033	..	...	·22335	—·04555	·00033	6·15	48·4	21·8
June ...	11°32·01	·22799	·00029	...	...	·22339	—·04558	·00029	4·87	32·3	19·6
July ...	11°32·02	·22798	·00030	...	...	·22338	—·04558	·00030	6·09	36 7	22·8
August ...	11°32·24	·22799	·00031	...	...	22338	—·04561	·00031	7·19	44·1	25·9
September	11°33·05	·22801	·00027	...	...	·22338	—·04566	·00027	8·61	39·3	31·7
October...	11°33·90	·22790	·00031	...	...	·22329	—·04568	·00031	8·50	53·2	27·8
November	11°35·21	·22807	·00023	...	...	·22342	—·04572	·00023	9·11	29·5	23·4
December	11°35·74	·22805	·00021	...	...	·22339	—·04584	·00021	7·95	43·7	20·3
For the year ...	11°31·99	·22804	·29701	·37446	52°29.	·22342	—·04560	·29701	7·47	41·1	23·3

Notes.—Hourly values could not be given in February and March. Mean values have been allotted to D & H in March from Absolute determination corrected for diurnal variation.

After January base line values were not allotted to the Vertical force variometer on account of the unsatisfactory behaviour of the galvanometer of the earth inductor. The figures given for Vertical force from May require to be increased by an unknown quantity. Apart from the possibility of instrumental drift they are consistent from month to month.

The Mean dip for the year is obtained from all the Absolute observations made, weighted according to their reliability The mean total force and vertical force for the year have been calculated using this mean dip.