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NEW SERIES (MONTHLY) VOL. XX. PART 1. 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

JANUARY, 1934

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

DIRECTOR

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PREFACE.

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

The tables in the Monthly Bulletin have been made as nearly as possible self explanatory but the following further details should be noted.

(i) All hourly values, with the exceptions of those of wind velocity, rainfall and sunshine, refer to instantaneous readings at the exact hour. The hourly values of wind velocity give the run of the wind for one hour centred at the hour denoted; the hourly values of sunshine give the total amount of sunshine during one hour ending at the hour denoted, the hours being reckoned from apparent midnight; the hourly values of rainfall give the total rainfall during one hour ending at the hour denoted.

(ii) All times refer to the Civil Day counting from 0^h to 24^h. (midnight) in Mauritius Standard Time, 4 hours fast on Greenwich Mean Time, with the exceptions of (a) sunshine, as noted in (i) (b) the table of Mean Monthly Atmospheric Potential Gradient which appears in the December bulletin and in which Greenwich Mean Time is used.

(iii) In Table I—Daily Results of Magnetical Observations. The values of Declination, Horizontal Force and Vertical Force are derived from the hourly measures of the self-recording magnetometers by the formula:

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

(iv) In Tables IV and V—Hourly Values of Magnetic Horizontal Force and Vertical Force. No corrections are applied for the diurnal variation of temperature in the magnetic basement. The range during one day seldom exceeds 0.1° C.

(v) Table VI—Meteorological Observations at the Aerological Station, Vacoas. The values of wind direction and velocity are obtained from a Dines Anemobiagraph, the height of the vane above the ground being 75 feet. The temperatures given in columns 10–16 are obtained from autographic records.

(vi) Table VII—Daily results of Meteorological Observations. The values given in columns 1, 6, 8 and 21 are derived from hourly values of the self-recording instruments by the formula indicated in (iii).

The mean temperature of the dew-point, the relative humidity and the vapour pressure in columns 9, 11 and 13 respectively are derived from the mean daily temperature of the air and of evaporation, by means of tables based on Glaishers' Hygrometrical tables and are not the means of twenty-four hourly values.

The amount of rainfall in column 15 refers to the Civil Day counting from 0^h to 24^h. It is measured with a Beckley self-recording gauge; diameter of rim 11.283 inches, height above ground 23 inches and situated 50 yards to the south-east of the main building.

The amount of evaporation in column 17 is obtained from the readings of a Negretti and Zambra evaporometer, which consists of a cylindrical brass vessel 8 inches in diameter and 4 inches depth. The amount of water in the vessel is measured at midnight. In the column for weather the colons divide the day into intervals of three hours or multiples of three hours. From January 1934 the abbreviations used have the usual significations of Beaufort letters as given in the "Observers Handbook."

The normal values of the meteorological elements used in Table VII are derived from a discussion of the observations for different periods ending with December 1930, as given below:—

Pressure	—Atmospheric	1875—1930
Temperature	—Shade	1876—1930
	—Evaporation	1891—1930
	—Dew Point	1891—1930
	—Minimum on Grass	1883—1930
	—Earth at 10 feet	1891—1930
	—Earth at 5 feet	1891—1930
	—Mean monthly maximum & minimum	1891—1930
Humidity	—Relative	1891—1930
Rainfall (Beckley Gauge)	—Amount of	1888—1930
	—Duration of	1888—1930
Evaporation	—Amount of	1888—1930
Sunshine	—Duration of Bright	1887—1930
	—Percentage of possible	1887—1930
Cloud	—Amount of	1879—1930
Wind	—Velocity	1876—1930

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

(vii) Table XII—Direction and Velocity of the Wind. The values of wind velocity are taken from the readings of a Robinson cup anemometer, the height of the cups being 51 feet above the ground level, using the factor 2·2, but an arbitrary correction has been and is still applied to low velocities. The correction varies from 0.1 m.p.s. at 4.3 m.p.s. to 0.6 m.p.s. at 0.0 m.p.s; thus a calm is never recorded.

Beginning with January 1929 the values of wind direction in this table, given in points of the compass and in Table IV, column 7, in degrees refer to—

North=	32	East=	08	South=	16	West=	24	points
	360°		90°		180°		270°	degrees

This also applies to Table XVI Direction and Velocity of Clouds. Other conventions adopted in this matter at various times were as follows :—

Up to December 1925—South=32, East 8, North=16 &c.
January 1926—December 1928—South=32, West=8, North=16 &c.

(viii) Table XIII—Frequencies of Winds.—The practice of publishing hourly values of the North and East Wind Components, which appeared in previous years as Table XII, has been discontinued, tables of the frequencies of wind directions and forces being substituted, commencing with January 1934.

(ix) Table XIV—Total monthly rainfall at various stations. The rainfall at the stations in this table is measured daily at about 9 a.m. and the amount entered to the day on which it is measured. The records are printed as received and the Observatory takes no responsibility for the figures, though on the whole they appear to be accurate.

The normal values in this table are derived from varying periods ending with 1930. For the Observatory they include the years 1871–1930 though the record for the exposure is strictly continuous only from 1888–1930 with the Beckley Gauge. From 1871–1874 the observations were taken at a site about 1½ miles from that of the Beckley Gauge, and from 1875–1887 they were taken at the Observatory with a Glaisher Gauge; diameter of rim 8 inches, height above ground 10 inches and situated 32 yards to the north of the main building. A recent comparison has shewn that owing to being in an inferior exposure the rainfall recorded by the Glaisher Gauge is in the mean 1% less than that recorded by the Beckley Gauge, the percentage difference varying during the year between 0.6% and 2.7%.

For the stations marked with an asterisk a day with 0.1mm. is a rain day, for the others the unit is 0.01 in.

(x) Accounts of the tropical cyclones which occur in the Southern Indian Ocean are published every year, and observation of upper winds made with pilot balloons are published as opportunity offers, both in the Miscellaneous Publications of the Royal Alfred Observatory.

N. R. McCURDY,
Director.

January, 1934.

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Magnetic Work was suspended on September 5th, 1933, owing to Extensive Repairs to Magnetic Basement.

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of JANUARY 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure.	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
JAN.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	965·0	23·2	0·9	21·6	91	25·5	80	10·7	5	21·0	22·0	23·7	21·5	25·6	19·3	6·3	9·9	8·3	63
2	965·1	24·5	3·2	19·0	72	21·8	65	5·4	8	20·7	23·7	24·7	21·0	26·9	20·8	6·1	4·0	8·4	63
3	963·3	24·7	3·5	18·7	69	21·4	55	5·8	4	19·9	22·7	25·9	20·7	27·2	19·3	7·9	0·7	10·6	80
4	963·6	25·0	5·7	15·[illegible]	55	17·2	65	5·8	4	19·0	23·6	26·1	21·2	27·2	20·0	7·2	0·0	12·3	93
5	964·4	26·0	5·5	16·7	56	18·8	80	4·5	1	19·5	24·5	27·2	21·7	27·4	18·6	8·8	0·0	7·4	56
6	963·1	23·6	1·1	21·7	89	25·7	130	1·8	10	21·1	24·0	25·0	22·5	28·4	20·7	7·7	5·5	5·8	44
7	956·4	21·5	0·3	21·0	97	24·6	225	2·7	10	22·0	21·2	21·2	21·5	28·4	19·9	8·5	18·8	0·0	00
8	962·3	24·0	1·0	22·3	90	26·7	60	5·8	7	21·2	24·0	22·7	21·5	25·4	21·1	4·3	19·0	3·6	28
9	963·9	24·3	1·9	21·0	82	24·6	90	7·2	6	20·7	21·9	24·5	20·9	24·2	20·7	3·5	12·7	10·6	81
10	964·6	24·8	3·9	18·1	66	20·6	80	4·9	5	20·4	22·8	24·5	21·0	25·8	19·1	6·7	0·0	11·0	84
11	965·1	23·3	2·0	19·8	81	22·9	65	7·2	9	20·3	22·3	25·3	20·9	25·9	20·0	5·9	0·2	7·0	53
12	965·2	22·1	1·2	20·0	88	23·2	75	8·1	10	20·7	21·2	24·9	21·0	26·3	20·1	6·2	2·4	7·5	51
13	964·6	23·5	2·8	18·6	74	21·2	65	5·8	3	20·0	22·3	24·5	21·5	25·9	18·8	7·1	2·1	10·7	81
14	963·6	22·5	0·6	21·4	93	25·2	65	8·9	10	21·0	21·5	22·9	21·6	26·4	20·7	5·7	9·9	0·0	00
15	964·4	23·1	1·6	20·3	84	23·6	65	8·5	10	21·5	21·5	24·3	21·4	24·2	21·4	2·8	20·7	1·5	12
16	963·6	24·9	3·[illegible]	18·9	69	21·6	70	6·3	6	21·0	23·5	25·9	21·6	26·3	20·8	5·5	0·9	9·1	69
17	962·9	25·3	3·4	19·5	70	22·4	75	3·6	4	21·1	23·5	25·6	21·5	27·4	20·2	7·2	0·0	7·3	56
18	961·4	24·7	4·3	17·3	64	19·6	65	6·7	8	20·5	23·5	26·3	21·5	27·9	20·3	7·6	0·0	11·6	89
19	961·2	24·1	2·3	20·1	78	23·3	65	7·2	10	20·5	22·7	25·3	21·0	27·4	20·6	6·8	0·7	5·4	41
20	961·9	25·1	4·0	18·3	66	20·8	65	7·2	2	20·7	23·4	24·5	21·5	26·2	20·6	5·6	1·1	6·9	53
21	962·2	25·4	3·6	19·3	69	22·2	65	6·7	2	20·7	22·0	26·2	21·2	27·1	21·5	5·6	0·0	8·3	64
22	962·4	23·3	2·6	18·8	76	21·5	70	4·5	9	20·3	24·6	25·3	21·0	27·5	18·8	8·7	0·0	4·6	35
23	961·9	24·8	3·5	18·8	69	21·5	85	2·7	9	20·2	23·6	24·6	21·0	27·8	19·1	8·7	0·0	6·6	51
24	964·5	25·0	4·0	18·2	66	20·7	110	3·1	6	19·9	23·3	26·0	21·6	28·5	18·9	9·6	0·1	10·9	83
25	966·3	23·1	1·5	20·5	85	23·9	110	6·7	7	21·1	22·6	24·3	22·0	28·8	20·8	8·0	5·2	5·2	40
26	965·2	24·9	3·7	18·5	68	21·1	105	7·6	8	21·5	22·5	24·8	21·6	25·9	20·4	5·5	3·0	9·3	72
27	963·4	23·7	1·0	22·0	90	26·2	115	8·1	10	21·5	21·6	24·0	22·9	26·8	21·4	5·4	7·5	6·2	48
28	960·2	23·2	0·9	21·6	91	25·5	130	9·4	10	22·5	22·4	22·0	21·5	25·6	22·1	3·5	19·0	0·0	00
29	948·8	22·4	0·1	22·2	99	26·5	5	13·9	10	22·6	23·0	22·8	23·6	24·0	21·3	2·7	280·5	0·0	00
30	962·1	23·9	2·1	20·3	80	23·6	25	4·5	10	22·7	22·4	26·2	22·5	24·6	21·6	3·0	68·8	5·5	43
31	963·2	23·5	1·1	21·6	89	25·5	55	5·4	10	22·0	22·8	22·5	21·2	27·0	21·9	5·1	1·6	4·0	31
Mean	963·1	24·0	2·5	19·7	77·9	22·9	76·9	5·7	7·2	21·1	22·8	24·6	21·5	26·6	20·3	6·3	494·3	6·7	5·1
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	41·5mbs.	Amount of rain	—	317·6mms.
Temperature of the Air	+	3·5°C	Duration of sunshine	+	1·1hr.
Vapour pressure	+	1·0mbs	Mean of maximum temperatures	+	2·8°C
Relative Humidity	—	11·0%	,, minimum temperatures	+	2·5°C
Velocity of Wind	—	0·2mps.	Absolute maximum temperature	+	3·2°C
Amount of Cloud	+	0·3	,, minimum temperature	+	1·9°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1934

Month and Day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
JAN.	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	1007·2	+ 0·8	29·2	23·0	6·2	25·7	0·0	2·8	21·0	+ 0·4	75	+ 1	24·6	22·0	4·2	26	7·8	7·7
2	1006·2	− 0·1	29·8	22·6	7·2	25·8	+ 0·1	3·7	19·5	− 1·1	68	− 6	22·4	21·0	0·0	...	9·8	5·0
3	1004·7	− 1·6	29·8	21·7	8·1	25·2	− 0·5	3·9	18·6	− 2·0	67	− 7	21·2	20·0	0·0	...	8·6	4·0
4	1004·9	− 1·3	30·0	21·9	8·1	25·5	− 0·3	4·5	17·8	− 2·9	63	− 11	20·2	19·8	0·0	...	9·8	2·5
5	1005·9	− 0·3	30·5	20·9	9·6	25·6	− 0·2	3·7	19·4	− 1·5	69	− 5	22·3	18·6	0·2	4	8·2	5·6
6	1003·1	− 3·0	32·0	22·7	9·3	26·5	+ 0·7	3·3	20·9	0·0	7:	− 3	24·5	·218	0·4	12	7·6	7·9
7	1002·6	− 3·4	28·1	23·2	4·9	25·9	+ 0·1	2·8	21·2	+ 0·3	75	0	24·9	23·4	11.2	53	5·4	8·2
8	1003·3	− 2·6	28·1	23·2	4·9	25·2	− 0·6	1·7	22·3	+ 1·3	84	+ 9	26·7	22·0	5·5	33	3·9	9·2
9	1005·8	− 0·1	28·0	23·2	4·8	25·2	− 0·6	2·2	21·5	+ 0·5	80	+ 5	25·4	22·0	2·7	35	6·7	6·7
10	1006·3	+ 0·5	28·8	22·8	6·0	25·4	− 0·5	3·5	19·4	− 1·7	70	− 5	22·3	21·4	0·0	...	9·6	5·0
11	1006·3	+ 0·6	29·2	23·0	6·2	25·5	− 0·4	3·7	19·2	− 2·1	68	− 7	22·0	21·6	0·5	5	8·5	5·5
12	1006·7	+ 1·1	29·0	23·7	5·3	25·8	− 0·1	3·9	19·2	− 2·1	67	− 9	22·0	21·4	0·4	8	10·8	4·0
13	1005·9	+ 0·4	28·6	21·6	7·0	25·0	− 0·9	3·3	19·4	− 1·9	71	− 5	22·3	20·0	3·1	23	8·3	6·6
14	1004·7	− 0·7	26·9	23·4	3·5	24·9	− 1·0	1·8	21·8	+ 0·5	83	+ 7	25·9	22·8	3·8	77	6·8	10·0
15	1005·7	+ 0·3	29·2	24·0	5·2	25·6	− 0·3	2·4	21·5	+ 0·2	78	+ 2	25·4	22·8	4·2	25	4·4	8·7
16	1005·0	+ 0·7	29·2	23·9	5·3	26·2	+ 0·3	3·2	20·8	− 0·7	72	− 4	24·3	23·0	0·0	...	8·8	5·1
17	1003·7	− 1·6	31·5	23·6	7·9	26·7	+ 0·8	3·6	20·7	− 0·8	70	− 6	24·2	22·0	0·0	..	7·6	5·3
18	1002·8	− 2·3	30·2	22·1	8·1	26·1	+ 0·2	3·9	19·5	− 2·0	67	− 10	22·4	20·4	0·0	...	9·4	5·7
19	1003·0	− 2·0	28·1	23·7	4·4	25·4	− 0·6	2·2	21·7	+ 0·1	80	+ 3	25·7	22·8	3·3	45	3·7	9·3
20	1003·4	− 1·5	30·0	23·6	6·4	26·1	+ 0·1	3·4	20·4	− 1·2	70	− 7	23·4	21·6	0·1	2	7·5	6·0
21	1003·5	− 1·4	30·3	22·0	8·3	25·9	− 0·1	3·7	19·7	− 1·9	69	− 8	22·7	19·2	0·0	...	9·0	4·3
22	1003·7	− 1·1	30·3	20·5	9·8	25·1	− 0·9	3·3	19·5	− 2·1	71	− 6	22·4	18·8	2·3	20	9·9	5·5
23	1003·8	− 1·0	30·0	22·2	7·8	25·6	− 0·4	3·4	19·7	− 1·9	70	− 7	22·7	18·8	1·8	29	9·0	5·6
24	1005·5	+ 0·8	30·5	20·5	10·0	25·6	− 0·4	3·9	19·0	− 2·8	67	− 10	21·8	18·6	0·3	6	9·7	2·8
25	1006·8	+ 2·1	30·1	23·7	6·4	25·7	− 0·3	2·5	21·5	− 0·3	78	+ 1	25·4	21·6	0·8	16	6·8	5·3
26	1006·4	+ 1·8	29·6	22·1	7·5	25·4	− 0·6	3·2	19·9	− 1·9	72	− 5	23·0	20·2	1·0	42	8·8	4·9
27	1003.7	− 0·9	30·0	24·2	5·8	26·6	+ 0·6	2·8	21·9	+ 0·1	75	− 2	26·0	23·0	2·0	18	7·6	6·1
28	997·3	− 6·3	30·0	22·2	7·8	25·1	− 0·9	2·1	21·5	− 0·3	81	+ 4	25·4	23·0	64·6	448	5·2	8·4
29	981·9	− 12·6	26·1	23·0	3·1	24·9	− 1·0	0·4	24·2	+ 2·6	96	+ 19	29·9	22·8	63·6	393	3·6	10·0
30	1002·3	− 2·2	29·4	25·0	4·4	26·4	+ 0·5	1·4	24·0	+ 2·4	87	+ 9	29·6	22·6	0·0	...	2·8	8·9
31	1004·0	− 0·5	28·4	24·3	4·1	25·5	− 0·4	1·7	22·6	+ 1·0	84	+ 6	27·1	23·0	0·7	11	4·1	9·2
Mean	1004·1	− 1·2	29·4	22·8	6·6	25·6	− 0·3	2·9	20·6	− 0·7	74·1	− 1·9	24·0	21·4	Sum 176·7	Sum 1331	7·4	6·4
Aver.	1005·3	...	29·8	22·6	7·2	25·9	...	2·7	21·3	...	76·0	...	25·1	20·4	215·4	1959	5·9	6·2
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JANUARY 1934.

During the month of January 1934, four cyclones occurred in South Indian Ocean, the particulars of which were as follows :—

On the 1st a centre of small diameter and intensity formed near the N.N.E. of Madagascar.

It passed close to Vohemar early on the 2nd and crossed over to the Mozambique Channel.

At the same time a cyclone passed about 800 miles N.E. of Rodrigues. Its course was unusual, passing, as it did, not far to the South of Rodrigues on the 6th and of Mauritius and Réunion on the 7th and on the 9th reached the East Coast of Madagascar in about latitude 21° South when it was moving W. b N. or W.N.W. It crossed Madagascar and recurved in the South of the Mozambique Channel during the 12th-13th and then moved away S.E. It was of considerable intensity.

The next disturbance formed on the 14th about 300 miles N. b W. of Mauritius. It took a normal course, reached the East Coast of Madagascar on the 16th in nearly the same latitude as the previous cyclone, recurved on the 17th-18th and moved away South or S. b E. It was of considerable intensity but of small diameter. A fourth cyclone was centred about 450 miles N.E. of Rodrigues on the 26th. It moved S.W. and the centre skirted the North and N.W. of Mauritius on the night of the 28th-29th. It touched the South of Réunion later on the 29th.

On February 1st it was not far off the South of Madagascar in the vicinity of Fort Dauphin.

It was of moderate intensity and size.

In spite of these comparatively frequent disturbances, temperature and humidity were in general below normal during the month. It must be remarked, however, that the percentage of strong winds observed was rather high ; the velocity was above normal on 24 days of the month.

Rainfall at the Observatory was 18% in defect of the normal but 72% of it fell on two days. In fact, this month saw the continuation of the period of intense drought which started in the previous October.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1934.

Month and Day 1933.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity		Temperature of the Soil				Weather
			Mean.	Excess above Average.	10 Feet.	5 Feet.	2 Feet.	12 inches.	
JANUARY	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
1	9·0	68	5·9	+ 2·6	24·0	25·1	28·3	29·3	or : cgr : cq : c .
2	11·1	83	3·7	+ 0·4	24·1	25·3	28·3	28·9	bc : bc : o : c : bc .
3	11·1	83	3·2	− 0·1	24·1	25·3	28·3	28·5	b : c : bc .
4	11·7	88	3·8	+ 0·5	24·1	25·3	28·2	28·4	bc : c : b .
5	9·0	68	2·5	− 0·8	24·1	25·5	28·2	28·9	b : c : b : c : b .
6	7·3	55	3·4	0·0	24·1	25·3	28·2	29·0	c : cg : c : b : c .
7	2·6	20	5·3	+ 1·9	24·1	25·3	28·2	29·0	c : bc : c : o : c : og .
8	3·6	27	4·6	+ 1·2	24·1	25·3	28·3	28·5	og : c : o : orl .
9	7·6	58	4·6	+ 1·2	24·2	25·5	28·2	27·9	or : cr : c : b : cg o : b .
10	11·3	86	4·9	+ 1·5	24·2	25·5	28·0	27·7	b : bc : c : b .
11	10·7	81	5·5	+ 2·1	24·2	25·7	27·9	27·8	b : bc c : b : c .
12	10·7	81	6·2	+ 2·8	24·2	25·5	27·9	28·0	c : bc : cq : bc : b .
13	11·1	84	4·8	+ 1·4	24·2	25·7	27·8	27·9	b : cr : c : bc : og .
14	0·5	4	6·4	+ 3·0	24·2	25·5	27·8	27·7	ogr : og : or : oq : ogq : ogp : ogq .
15	3·2	24	4·7	+ 1·3	24·2	25·7	27·7	27·2	oq or : og : ogq : c : bc .
16	9·8	74	4·0	+ 0·6	24·2	25·7	27·6	27·3	bc : c : bc .
17	8·6	66	3·4	0.0	24·3	25·7	27·5	27·5	bc : b c : bc b .
18	11·8	90	3·6	+ 0·2	24·2	25·7	27·6	28·0	b : c : o . c : bc .
19	1·2	9	3·9	+ 0·5	24·3	25·6	27·7	28·5	c : og : c : ogr : og : ogp : c .
20	7·5	57	3·7	+ 0·3	24·3	25·7	27·8	28·0	c : bc . c : o : bc .
21	9·5	73	3·3	− 0·1	24·3	25·7	27·8	27·9	bc : b : bc : b .
22	11·1	85	3·8	− 0·6	24·4	25·6	27·8	28·3	cr : b : c : bc . c .
23	9·7	74	2·3	− 1·1	24·3	25·9	27·9	28·7	b : bc : c .
24	12·5	95	3·0	− 0·4	24·3	25·8	28·0	28·9	bc : b : bc : bd .
25	8·9	68	4·2	+ 0·8	24·3	25·8	28·1	28·9	b : bcd : bc : op : o : c : b .
26	9·5	73	4·2	+ 0·8	24·4	25·6	28·2	28·7	b : cr : c : o : cq : c : bc .
27	9·5	73	5·6	+ 2·2	24·3	25·9	28·2	28·7	b : bcp : c : bcq : c .
28	0·2	1	10·2	+ 6·8	24·6	25·9	28·2	28·9	bcd : od : oqr : oqr .
29	0·0	0	11·3	+ 7·9	24·5	25·8	28·1	27·2	oqr : ogqr : o .
30	7·5	58	6·0	+ 2·6	24·5	25·9	27·6	26·4	o : c .
31	4·2	32	4·7	+ 1·3	24·5	25·9	27·4	27·2	c . ogd : c : op .
Mean	7·81	59·3	4·70	+ 1·3	24·25	25·58	27·96	28·19	.....
Average	7·73	58·8	3·38	...	25·01	25·42	28·02	27·51	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JANUARY 1934.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1008·2mbs	at 22h. & 23h	on 25th	974·7mbs	at 02h.00	on 29th
Temperature of the Air	32·0°C	at 13h. 50	on 6th	20·5°C	at 04h.00	on 22nd
Daily range of temperature of the Air ...	9·6°C	...	on 5th	3·1°C	..	on 29th
Temperature of the Dew Point	24·8°C	at 08h. 00	on 29th	15·3°C	at 11h.	on 4th
Daily range of temperature of the Dew Point	5·0°C	...	on 24th	1·4°C	...	on 30th
Minimum on Grass	..	...	...	18·6°C	...	on 5th & 24th
Relative humidity	100%	at 01h. 00 & 08h. 00	on 29th	41·3%	at 13h. & 14h.	on 4th
Vapour pressure	31·0mbs.	at 08h. 00	on 29th	17·2mbs	at 11h.	on 4th
Wind Velocity	18·1m.p.s.	at 0h. 00	on 29th	1·0m.p.s.	at 21h 00	on 23rd
Rainfall in 24 hours	93·4mms.	ending 12 hrs.	on 29th	...	...	...
Evaporation in 24 hours	18·8mms.	...	on 12th	2·5mms	...	on 4th
Duration of sunshine	12·5hrs.	...	on 24th	0·0h	...	on 29th

Mean Day Temperature of Air, 27·21°C. Average 27·74°C. Mean Night Temperature of Air, 24·10°C. Average 23·98°C.

NUMBER OF DAYS OF—

Mean Cloud Amount					RAINFALL					Lightning	Thunderstorm
0	1 — 3	4 — 6	7 — 9	10	mms. 0.1 — 0.9	mms. 1.0 — 4.9	mms. 5.0 — 9.9	mms. 10.0 — 24.9	mms. 25.0 and over		
0	2	16	11	2	8	10	1	1	2	2	1

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

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

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The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day.
Midnight	075	077	061	057	061	053	005	013	054	067	070	069	076	057	057	065	Midnight
1h	073	070	055	050	060	045	001	010	053	064	064	064	072	050	050	060	1h
2	072	067	050	046	059	044	995	010	047	060	060	060	065	046	043	056	2
3	070	063	046	043	056	042	985	010	044	058	058	056	060	040	050	051	3
4	068	062	041	041	056	041	980	010	050	060	057	055	057	040	049	050	4
5	065	063	042	044	058	042	980	016	052	065	060	060	060	042	052	052	5
6	075	065	047	050	062	046	987	022	056	067	064	067	065	045	053	053	6
7	079	067	050	051	066	050	988	030	058	071	070	069	072	050	060	057	7
8	078	070	050	054	068	049	985	035	060	070	073	070	071	049	062	054	8
9	076	065	051	059	067	047	980	037	065	069	073	070	071	053	064	057	9
10	076	071	052	057	066	045	974	038	061	067	071	072	070	050	064	056	10
11	074	070	051	054	062	038	968	037	061	066	070	070	066	050	065	052	11
Noon	072	064	048	044	060	032	967	039	060	062	069	068	060	050	062	050	Noon
13h	070	060	041	040	057	027	965	037	058	060	064	067	057	042	055	047	13h
14	067	056	035	037	052	021	960	030	053	056	060	067	050	041	054	041	14
15	060	050	031	035	050	024	960	030	052	051	053	059	043	037	053	038	15
16	058	046	030	032	048	022	967	030	052	048	050	058	038	038	050	034	16
17	061	047	033	037	052	012	970	031	053	050	052	059	039	040	048	035	17
18	067	054	038	042	054	015	977	032	060	057	058	060	045	042	042	038	18
19	072	058	045	050	058	018	983	044	064	063	064	068	052	043	058	048	19
20	077	062	050	054	061	018	998	053	067	064	069	073	057	050	064	050	20
21	080	065	057	060	064	017	006	055	068	068	061	076	059	053	068	055	21
22	082	067	060	062	065	019	012	059	072	072	063	078	061	060	073	068	22
23	080	067	060	067	063	013	016	058	073	074	062	077	062	060	072	057	23

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day.
Midnight	053	039	038	047	040	046	042	052	070	077	060	030	789	007	042	1004·3	Midnight
1h	047	033	031	040	035	044	038	047	068	072	053	027	752	002	038	1003·7	1h
2	043	031	030	035	032	038	035	042	060	070	048	023	748	001	035	1003·4	2
3	039	028	026	041	030	034	032	040	058	065	042	017	747	000	034	1003·1	3
4	040	029	024	027	031	033	032	040	058	063	040	012	753	000	030	1003·0	4
5	040	030	027	027	033	034	035	040	060	062	042	008	759	007	031	1003·2	5
6	047	035	031	031	040	038	037	045	064	064	045	002	778	015	037	1003·7	6
7	048	040	037	035	040	040	039	053	070	067	047	002	800	020	044	1004·1	7
8	047	037	036	037	041	043	040	059	072	070	046	012	828	026	047	1004·3	8
9	046	037	036	040	043	047	040	062	073	071	050	013	884	028	048	1004·6	9
10	042	035	032	038	040	044	038	063	076	072	045	005	919	032	050	1004·6	10
11	039	030	030	034	038	042	037	061	073	068	043	000	932	032	048	1004·4	11
Noon	036	025	029	030	037	038	035	057	070	064	039	990	937	030	035	1004·1	Noon
13h	033	020	026	027	032	032	031	055	069	060	027	978	940	036	037	1003·7	13h
14	030	016	017	026	026	027	025	050	064	055	025	970	942	020	035	1003·3	14
15	025	014	014	026	024	025	022	045	062	051	020	955	947	018	031	1002·9	15
16	020	010	010	025	021	020	023	042	058	047	016	935	950	020	030	1002·7	16
17	020	012	017	027	022	022	026	050	057	048	017	933	960	022	033	1002·9	17
18	023	017	027	030	028	028	033	058	064	055	021	931	970	025	034	1003·3	18
19	028	020	032	032	031	034	042	065	070	062	027	934	975	023	042	1003·9	19
20	030	027	038	039	028	040	050	069	075	067	030	930	988	040	048	1004·4	20
21	036	034	043	041	040	046	055	072	077	070	039	913	999	045	050	1004·7	21
22	042	037	047	044	047	047	058	073	082	072	040	887	003	044	053	1005·0	22
23	043	040	047	047	048	047	056	073	082	069	039	846	007	049	053	1004·9	23

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

Hour. \ Day.	JANUARY 1934.																															
	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	5	3	0	1	6	6	10	10	3	2	7	1	10	10	7	3	2	7	8	2	8	4	3	1	2	1	3	10	10	8	5·2
1h	8	5	2	0	1	6	6	10	10	4	3	6	2	10	10	5	2	2	8	7	2	9	4	3	2	2	2	3	10	10	8	5·2
2	9	3	3	3	1	7	5	10	9	4	3	4	2	10	10	5	4	2	10	7	3	5	3	2	2	3	2	3	10	10	8	5·2
3	8	3	2	5	1	8	5	9	9	3	4	4	1	10	10	6	4	1	10	7	4	1	3	1	3	1	1	4	10	10	8	5·0
4	9	4	2	7	4	9	5	7	9	4	4	3	1	10	10	3	5	1	9	5	4	1	7	1	7	1	2	4	10	9	7	5·3
5	9	3	3	5	9	9	7	6	9	4	6	3	8	10	9	3	3	3	9	2	2	2	8	1	9	6	4	6	10	7	9	5·9
6	8	4	3	2	8	2	9	9	7	4	5	5	9	10	10	2	2	7	9	1	2	7	5	1	7	7	6	10	10	10	10	6·2
7	8	4	4	2	8	9	9	9	3	7	5	4	9	10	10	3	2	7	10	2	2	7	5	2	5	8	6	10	10	10	10	6·5
8	7	4	5	2	8	8	9	6	5	7	6	4	9	10	10	3	5	7	10	4	4	3	7	2	5	8	7	10	10	10	10	6·6
9	6	4	6	2	8	9	9	8	8	6	7	3	9	10	10	3	7	6	10	6	5	5	9	4	5	9	7	10	10	10	10	7·1
10	6	4	7	4	7	9	9	8	8	6	6	0	6	10	10	4	8	8	9	7	7	6	7	5	10	8	7	10	10	10	9	7·5
11	7	5	7	2	6	9	10	9	7	7	6	8	7	10	9	4	8	10	9	6	7	6	3	6	10	9	7	10	10	10	9	7·5
Noon	7	6	6	2	6	9	10	10	9	8	7	7	8	10	10	5	7	7	10	7	6	6	3	4	10	6	9	10	10	10	10	7·6
13h	8	9	6	2	7	9	10	10	9	7	6	9	8	10	10	6	8	8	10	7	6	4	4	5	10	6	8	10	10	9	10	7·8
14	8	7	7	4	8	9	10	10	9	7	5	6	7	10	10	6	8	8	9	8	7	3	4	5	9	6	7	10	10	9	7	7·5
15	9	7	6	4	9	9	10	10	10	7	5	3	7	10	10	9	8	8	10	9	7	4	4	7	8	8	7	10	10	9	9	7·8
16	9	7	6	4	9	9	10	10	10	7	5	3	8	10	9	9	8	8	10	10	7	5	6	4	7	8	8	10	10	9	9	7·9
17	9	6	6	2	9	9	9	10	5	7	5	3	7	10	8	9	8	8	10	10	7	7	7	3	4	6	9	10	10	9	10	7·5
18	8	6	6	2	9	9	9	10	2	6	4	3	7	10	7	9	9	8	10	10	7	8	9	2	2	4	7	10	10	5	10	7·1
19	8	5	1	2	5	9	9	10	2	5	5	2	7	10	9	7	9	7	10	10	7	6	8	2	2	4	7	10	10	8	10	6·6
20	8	4	3	1	2	7	9	10	4	2	7	1	7	10	5	5	4	5	10	5	4	8	7	1	1	1	8	10	10	7	10	5·7
21	7	8	2	1	2	4	8	10	4	2	8	2	6	10	4	4	2	4	8	3	1	8	7	1	1	1	8	10	10	5	10	5·2
22	6	5	1	1	2	8	10	10	4	2	9	2	8	10	5	4	2	4	8	3	1	8	6	1	2	1	8	10	10	7	10	5·4
23	5	3	2	1	2	8	10	10	3	3	8	1	10	10	5	4	2	5	8	3	2	7	5	1	2	2	8	10	10	8	10	5·4

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

AT THE ROYAL ALFRED OBSERVATORY, MAURITIUS.

Hour Ending. \ Day.	JANUARY 1934.																															
	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	2	3	5	0	0	0	0	0	0	0	6	10	0	0	17	0	4	0	20	6	0	0	0	0	0	0	1·2
7	21	28	50	32	53	28	35	55	55	21	35	40	15	0	0	40	60	55	0	60	22	45	53	60	42	7	28	0	0	0	0	15·7
8	55	60	26	60	60	50	50	40	57	60	43	60	50	0	0	60	48	60	15	60	41	60	40	60	40	45	48	0	0	12	0	21·0
9	55	60	60	60	60	35	45	58	20	60	53	60	55	16	0	60	56	60	0	60	60	60	28	60	51	50	54	0	0	53	9	22·6
10	60	60	55	60	60	24	10	34	56	60	60	60	60	5	18	60	60	60	9	60	60	60	46	60	24	57	49	4	0	44	32	22·8
11	53	60	60	60	60	37	0	14	50	60	60	40	60	0	16	60	23	60	25	60	60	55	60	60	25	22	42	0	0	54	30	21·1
Noon	48	60	60	60	60	38	4	0	10	60	60	42	60	0	15	60	35	60	0	51	40	60	60	60	12	60	45	5	0	39	40	20·1
13h	42	50	60	60	45	60	0	0	29	60	48	45	60	10	60	50	55	60	9	36	50	60	60	60	18	60	60	0	0	55	55	21·9
14	33	51	60	60	30	35	0	0	31	60	50	48	60	0	25	5	28	60	4	43	60	60	60	60	60	60	38	0	0	60	50	19·5
15	55	57	60	60	35	25	6	0	9	60	60	60	60	0	0	42	31	60	12	5	60	60	60	60	60	36	60	0	0	58	16	19·4
16	37	50	60	60	31	48	0	3	17	60	60	60	60	0	4	54	41	60	0	15	55	60	60	60	58	55	60	0	0	56	18	20·0
17	46	55	60	60	10	40	0	5	60	60	57	60	60	0	44	56	45	58	0	0	20	60	45	60	60	00	54	0	0	14	0	19·2
18	35	58	54	60	25	18	0	0	60	55	58	60	59	0	8	35	21	48	0	0	40	25	8	60	60	58	35	0	0	3	0	15·7
19	3	15	0	12	12	0	0	0	1	5	0	4	8	0	0	2	5	10	0	0	4	0	0	10	15	0	0	0	0	0	0	1·8

The total amount of registered sunshine was 242·0 hours and the total possible sunshine 407·4 hours.

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 1934.

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

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

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

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

JANUARY 1934.

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

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during JANUARY 1934.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

JANUARY 1934.

Hour.	1d. Dir.	1d. Vel.	2d. Dir.	2d. Vel.	3d. Dir.	3d. Vel.	4d. * Dir.	4d. * Vel.	5d. * Dir.	5d. * Vel.	6d. * Dir.	6d. * Vel.	7d. Dir.	7d. Vel.	8d. Dir.	8d. Vel.	9d. Dir.	9d. Vel.	10d. Dir.	10d. Vel.	11d. Dir.	11d. Vel.	12d. Dir.	12d. Vel.	13d. * Dir.	13d. * Vel.	14d. * Dir.	14d. * Vel.	15d. * Dir.	15d. * Vel.	16d. Dir.	16d. Vel.
Midnight	09	5·8	10	2·8	10	1·1	12	1·8	10	2·0	12	0·9	14	5·4	04	5·7	08	2·2	09	4·2	11	4·0	09	4·7	10	4·2	10	5·1	08	5·5	08	2·7
1h	10	4·2	10	4·4	10	1·4	12	1·8	10	1·3	15	1·3	14	4·7	04	4·9	08	4·4	09	4·3	11	3·9	09	5·6	10	3·3	09	5·3	08	5·0	08	3·3
2	09	5·0	10	3·7	10	1·3	12	1·4	12	1·5	15	1·2	15	4·0	04	5·3	06	4·4	10	2·6	11	3·5	09	5·1	11	2·5	09	4·9	08	4·4	08	3·1
3	10	4·5	10	3·2	10	1·6	12	1·8	12	1·1	15	1·3	16	5·5	04	4·7	07	2·1	10	3·1	11	3·8	09	4·9	11	2·3	09	5·0	08	3·9	08	3·2
4	10	5·4	10	2·6	10	2·3	10	2·3	12	1·0	15	1·8	16	6·0	05	4·8	08	2·7	10	3·0	10	4·6	09	5·0	11	1·9	10	5·3	08	4·0	08	3·7
5	10	5·1	11	2·2	10	2·2	12	2·3	12	0·9	15	1·6	15	6·7	05	4·4	08	3·2	10	3·0	11	3·7	09	4·5	11	3·7	10	5·5	08	4·9	08	3·0
6	10	5·1	11	2·0	10	2·0	13	1·7	12	0·7	10	0·7	16	5·4	05	2·9	08	3·6	10	3·2	10	3·6	10	5·7	11	3·2	10	5·9	09	5·2	08	3·2
7	10	5·5	11	2·5	10	2·6	12	3·4	12	1·2	07	0·8	16	6·6	05	3·3	09	4·6	10	3·2	10	4·5	09	5·1	11	3·7	09	5·9	08	4·8	08	3·6
8	10	6·6	09	4·5	09	3·8	11	5·7	12	3·2	11	2·4	16	6·1	05	4·5	09	5·5	10	4·7	01	5·9	09	7·5	11	3·6	09	6·8	07	4·8	08	5·3
9	10	7·7	09	5·2	08	3·2	11	5·6	11	3·1	14	3·2	20	5·1	05	5·1	09	5·3	10	7·4	09	6·1	09	7·7	09	7·0	09	9·1	07	5·5	08	5·0
10	10	8·3	09	4·8	07	6·0	11	4·6	11	2·9	14	2·4	24	4·4	05	5·6	09	5·5	09	5·0	09	6·9	09	7·5	09	5·1	09	6·7	07	5·6	08	4·9
11	10	8·6	09	4·6	07	4·9	10	5·7	11	3·9	26	1·9	25	5·3	06	6·6	09	5·8	09	5·1	08	6·4	09	7·8	08	5·5	08	8·2	07	6·2	07	5·3
Noon	10	7·9	08	5·1	07	4·9	09	5·4	15	4·6	15	4·2	23	5·4	06	5·4	08	6·2	09	5·7	08	6·5	10	8·1	08	6·0	09	6·9	07	6·0	07	5·1
13h	10	7·3	08	4·6	09	4·7	10	5·8	20	5·6	11	3·3	26	5·3	05	4·3	08	5·9	09	5·8	08	6·2	09	7·9	08	6·1	09	8·3	07	6·4	08	4·4
14	10	7·2	08	4·8	09	4·8	10	5·6	22	5·7	13	5·5	27	4·9	07	4·4	07	5·4	09	5·9	07	7·7	09	8·3	08	5·8	09	7·1	07	5·8	08	4·0
15	10	7·3	07	4·9	09	4·5	09	5·1	22	5·4	15	2·8	29	5·7	07	4·5	07	4·7	09	7·3	07	6·8	10	7·3	09	6·2	09	7·7	07	4·8	08	5·0
16	10	7·3	10	5·4	11	4·8	09	5·9	24	3·1	15	3·1	30	4·8	07	5·0	09	5·3	09	7·1	07	6·2	10	7·8	10	5·9	09	7·3	08	5·3	08	4·7
17	10	6·3	10	4·7	11	4·1	09	6·1	21	2·1	14	6·0	32	4·6	07	5·2	09	5·5	10	6·9	07	7·0	10	7·2	10	6·2	09	6·0	08	5·3	08	4·4
18	11	6·3	10	5·3	10	5·0	10	5·3	18	1·5	14	10·3	03	4·2	08	5·4	09	5·9	10	7·0	07	6·9	09	6·8	10	7·5	09	8·0	08	4·9	08	3·5
19	10	5·8	10	4·2	10	4·1	10	3·9	14	2·4	14	4·2	04	4·9	07	3·6	10	4·5	11	7·0	07	6·1	10	5·7	10	5·5	09	6·8	08	4·5	08	3·4
20	10	4·5	10	3·3	11	2·4	10	3·6	13	2·3	14	4·6	03	5·0	06	3·7	12	3·6	11	4·4	07	5·9	10	5·8	10	5·7	08	6·5	09	3·9	07	4·9
21	10	3·8	10	2·4	11	1·5	10	2·3	12	1·8	13	5·3	03	5·5	07	3·5	11	4·3	11	4·1	07	5·6	10	4·0	10	4·0	07	4·4	08	3·1	07	3·9
22	10	3·6	10	1·3	11	1·4	10	1·9	12	1·2	14	5·5	03	6·3	08	4·4	10	4·0	11	3·3	07	4·9	10	4·7	10	5·1	07	5·2	07	2·6	07	2·3
23	10	4·2	10	1·5	11	1·7	10	1·8	12	1·0	14	5·5	03	4·9	08	4·7	09	4·0	11	3·7	07	4·8	10	4·8	10	4·3	08	4·9	07	2·9	07	2·9

Hour.	17d. Dir.	17d. Vel.	18d. Dir.	18d. Vel.	19d. Dir.	19d. Vel.	20d. Dir.	20d. Vel.	21d Dir.	21d Vel.	22d. Dir.	22d. Vel.	23d. Dir.	23d. Vel.	24d. Dir.	24d. Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. Dir.	27d. Vel.	28d. Dir.	28d. Vel.	29d. Dir.	29d. Vel.	30d. Dir.	30d. Vel.	31d. Dir.	31d. Vel.	Mean Velocity
Midnight	06	3·3	08	1·8	06	2·7	08	2·0	07	1·5	08	1·9	10	2·5	11	1·7	12	2·4	11	1·6	12	3·9	12	4·8	13	18·1	04	6·8	05	3·7	3·8
1h	06	3·3	08	1·6	06	3·4	08	3·2	07	1·6	07	2·2	10	2·2	11	1·6	12	2·0	11	1·5	12	4·4	12	5·9	12	15·4	04	6·3	05	3·2	3·5
2	07	1·9	08	1·9	06	3·7	08	2·7	08	2·9	07	1·0	10	1·8	11	0·7	12	1·4	11	1·5	12	3·7	12	5·2	10	9·8	04	6·6	05	3·9	3·3
3	06	1·9	08	2·7	06	4·2	08	2·4	08	2·4	11	1·5	10	1·3	11	1·1	12	2·7	11	1·8	12	3·7	12	5·5	08	11·1	04	5·8	05	4·5	3·4
4	07	2·2	08	1·1	06	3·1	08	2·5	08	3·0	12	2·5	10	2·6	11	1·2	12	2·8	12	1·6	12	4·0	12	5·2	06	13·9	04	5·7	05	5·0	3·6
5	06	1·8	08	2·3	06	3·1	08	3·5	08	2·5	12	1·6	11	1·1	12	1·8	12	3·2	11	2·0	12	3·4	12	4·8	06	11·0	04	5·8	05	3·5	3·5
6	06	1·4	08	1·9	06	2·9	08	2·8	08	2·4	12	2·5	11	1·1	12	1·3	12	3·6	11	2·6	12	3·4	12	5·1	05	12·7	04	5·4	05	3·8	3·5
7	06	2·0	07	2·3	06	2·5	08	2·9	08	2·7	10	1·9	11	1·2	12	1·4	11	3·8	11	3·8	12	3·0	13	5·9	03	16·3	04	5·3	05	4·7	3·9
8	06	4·2	06	4·5	06	4·3	07	4·4	06	3·1	09	3·4	11	3·0	11	3·9	11	4·3	11	4·1	11	5·1	13	6·1	02	16·5	04	6·1	06	5·9	5·2
9	05	4·4	06	4·8	05	4·3	06	4·4	06	4·2	07	4·2	10	3·0	10	3·6	11	5·3	11	5·6	11	6·6	12	7·4	01	13·0	02	7·9	05	4·7	5·6
10	05	4·3	06	3·4	05	4·8	06	5·0	06	5·1	08	4·1	08	3·3	10	3·7	10	5·6	11	6·1	12	6·5	12	8·4	01	11·4	02	7·7	06	4·5	5·5
11	05	4·4	06	5·6	05	6·1	06	5·1	06	5·1	08	3·3	07	3·7	10	4·3	08	5·9	11	6·0	12	7·7	12	8·9	01	10·5	03	6·8	05	5·8	5·8
Noon	05	4·4	06	4·9	05	5·8	06	5·4	06	4·7	07	3·0	07	2·3	10	4·1	09	6·2	11	6·5	10	7·2	12	10·7	02	9·5	03	6·4	05	8·3	5·9
13h	05	4·6	06	4·8	05	5·6	06	5·3	06	5·0	07	3·5	07	4·8	11	4·5	09	6·6	11	6·2	11	7·7	12	8·2	02	12·5	03	7·2	06	6·8	6·0
14	05	4·6	06	4·5	03	4·2	06	6·0	06	5·0	07	4·2	07	3·8	10	5·0	10	6·8	11	6·1	11	7·4	11	11·6	01	10·8	03	7·6	06	6·3	6·0
15	05	4·7	06	4·4	05	6·0	06	4·9	07	4·5	07	4·0	07	3·9	10	5·3	10	6·3	11	6·1	12	7·6	12	12·3	01	10·7	02	7·0	06	4·8	5·9
16	06	4·0	06	4·7	05	5·3	06	4·7	07	4·4	07	4·0	06	3·4	11	5·4	09	6·3	11	6·2	11	7·1	12	13·4	01	9·4	03	6·9	07	6·4	5·8
17	07	3·7	06	5·3	05	5·0	06	4·2	07	3·6	07	5·8	08	2·7	12	5·4	10	5·6	11	6·2	12	6·9	12	12·9	01	9·5	03	5·9	07	4·3	5·6
18	06	4·4	06	5·1	05	4·3	06	4·6	07	3·9	07	3·2	07	2·5	11	4·3	10	5·5	11	5·5	11	6·4	13	15·2	03	10·1	04	4·6	06	4·2	5·7
19	07	4·0	06	3·9	08	2·5	06	4·0	07	2·7	08	2·8	09	1·2	12	3·1	10	4·7	11	4·9	12	6·0	13	16·5	03	9·9	05	4·5	06	4·0	4·9
20	07	3·7	06	4·7	07	3·2	06	3·1	07	3·2	09	2·1	09	1·2	12	2·0	11	3·4	12	3·7	12	6·0	13	15·3	03	9·3	06	4·3	07	4·4	4·5
21	07	2·3	06	2·9	07	2·5	07	2·7	07	1·4	09	1·8	09	1·0	12	2·0	11	2·2	11	3·0	11	5·8	13	14·7	03	8·7	05	4·8	07	3·4	3·8
22	06	3·2	07	3·9	07	2·7	07	2·3	07	1·4	09	1·8	09	1·1	12	2·4	11	1·9	12	3·3	11	5·3	13	15·6	03	8·0	05	4·6	08	2·7	3·8
23	06	2·8	07	2·8	07	2·4	07	1·6	07	1·7	09	1·5	10	1·7	12	2·6	11	1·6	12	4·4	11	5·1	13	17·9	03	7·7	05	4·7	08	4·3	3·9

TABLE XIII.—WIND, NUMBER OF OBSERVATIONS, JANUARY, 1934.

Hour	Force (0–12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	4	7	...	...	3	2	9	5	10	...	2	...	...	...	...	...	...	...
9	...	12	19	1	1	4	3	10	4	6	1	...	...	1	...	...	...	...	...
15	...	14	17	1	1	2	3	14	4	3	...	1	...	...	1	...	...	1	...
21	...	5	26	...	...	3	1	12	5	10	...	...	...	...	...	...	...	...	...
Totals	...	35	89	2	2	12	9	45	18	29	1	3	.	1	1	...	...	1	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JANUARY 1934.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of JANUARY 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	5·94	150·9	222·5	16
*	St. Antoine	50	4·55	115·6	177·3	13
*	Belmont	50	4·19	106·4	183·4	14
*	Poudre d'Or	20	5·91	150·1	180·1	14
	Mon Loisir S. E.	300	7·76	197·1	207·8	18
	Forbach	300	.	...	211·6	...
*	Couroupa	...	7·04	178·8	220·5	14
*	Labourdonnais	290	5·97	151·5	226·6	12
	Beau Séjour	300	7·93	201·4	241·5	19
	Mont Piton	650	7·99	202·9	265·9	20
	Mon Choix	700	5·85	148·6	264·7	19
	Antoinette	640	10·03	254·8	248·4	19
	Mon Songe	620	9·15	232·4	256·0	12
	Botanical Gardens ...	325	11·67	295·6	243·6	25
*	The Observatory	179	6·96	176·7	207·3	22
	Solitude	175	7·76	197·1	172·2	11
	St. André	90	6·98	177·3	197·9	7
	La Nicolière	...	11·33	287·8	...	21
2 & 3	Union Régnard S.E. ...	600	11·40	289·5	250·7	21
	Constance d'Arifat L.G. ...	100	6·13	155·7	206·0	15
	Rich Fund	600	11·57	293·9	278·4	22
	La Joffrette	...	3·24	82·3	...	13
	Belle Vue (Allendy) ...	...	11·16	283·4	286·5	14
4	Sans Souci	900	24·02	610·1	408·2	24
	Beau Champ (G.R.S.E.) ...	20	12·96	329·2	208·3	14
	Olivia	400	14·78	375·4	287·8	14
	Trois Ilots	...	12·71	322·6	...	12
	Belle Rive	400	18·53	470·7	...	22
	Sébastopol	700	14·20	360·6	...	18
	Bonne Veine	400	20·93	531·6	523·7	20
5	Rose Belle	850	24·52	622·8	...	19
	New Grove	650	18·23	463·0	...	15
	Mon Trésor	...	14·40	465·7	...	13
	Mon Désert (Carié) ...	75	13·36	339·3	198·0	13
	Ferney	20	16·78	426·2	317·7	17
	Sauve Terre	...	15·98	405·9	..	14
6	Tivoli	1,300	20·92	531·4	395·7	19
	La Flora	1,050	22·45	570·2	446·5	24
	Riche Bois (Brit.) ...	650	13·81	350·8	...	17
	Britannia (Estate) ...	700	14·48	367·8	338·6	21
6	Savannah (Mill)	200	...	...	260·8	...
	St. Aubin...	300	10·08	256·0	276·4	16
	St. Avold...	900	19·34	491·2	356·6	21
	Colmar	400	19·39	492·5	299·2	19
	Union S. E.	...	9·50	241·3	250·4	11
	Fontenelle	320	15·82	401·8	269·0	10
	Choisy	200	15·85	402·6	...	9
	Beau Bois	...	14·24	361·7	...	15
*	Sophie	...	25·54	648·8	..	26
7,8,9&10	Bel Ombre	40	12·20	309·9	284·9	10
	Beau Champ (B. du Cap) ..	70	12·79	324·9	...	10
	Frédérica	...	14·40	365·7	...	9
	Pierre Fonds	...	15·21	386·3	...	14
	Ste. Marie	...	13·14	333·7	...	7
	Hussonia Limited	...	...	...	...	...
11	Curepipe Gardens	1,840	23·65	600·7	424·4	29
	Mare aux Vacoas (G.E.) ...	1,850	31·26	794·0	495·5	25
	Mare aux Vacoas (Arn.) ...	1,830	30·80	782·3	453·4	27
	La Marie Filter Bed ...	1,700	32·08	814·8	377·7	19
	Réunion...	1,420	19·81	503·2	338·3	17
*	Aerological Station ...	1,393	19·47	494·3	309·1	23
	Phœnix	...	...	...	...	...
	Quatre Bornes	...	...	...	...	...
12	Quatre Bornes (Board) ...	1,090	13·20	335·2	...	6
*	Le Réduit (D. of A.) ...	1,000	10·85	275·6	353·5	22
	Alma	1,460	24·77	629·1	454·1	19
	Bagatelle...	1,250	19·44	493·8	296·2	16
	Highlands	1,300	23·04	585·2	358·1	15
	Trianon	950	...	...	261·6	...
	Val Ory	1,100	13·04	331·2	270·0	17
	Bassin	...	18·67	474·2	...	12
	Hermitage	1,450	15·45	392·4	...	15
	Ebene	...	9·64	244·9	...	11
	Bega	..	11·21	284·7	...	10
	Mon Rêve	...	10·21	259·3	...	11
	Mont Pevril	...	10·26	260·6	...	11
	Minissy	1,150	9·88	251·0	313·2	11
	Plaisance...	...	13·07	332·0	...	9
	La Ferme	350	10·43	264·9	...	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 1934.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	6¾	...	...	...	...	...	...	...	...	..	...	360	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	10	105	14·4	105	6·5	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	11¼	166	4·8*	146	2·7*	..	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	..	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	11¼	95	30·1*	90	10·0*	...	...	...	...	...	...	330	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	11¼	99	16·0*	107	12·1*	...	...	...	...	...	...	...	...
12	11¼	112	9·0*	109	13·7*	...	...	...	...	147	2.7*	...	...
13	9¾	97	13·2*	105	15·3	30	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	11¼	72	20·5*	72	17·2*	...	...	...	...	65	12.5*	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	9¾	60	10·3	60	14·1	...	...	...	...	270	...	...	...
18	11¼	50	6·6*	72	5·0*	...	...	...	...	...	...	...	...
19	11¼	57	10·1	42	12·2*	...	...	...	...	...	...	...	...
20	...	...	..	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	11	79	9·6*	87	5·3*	...	...	...	...	...	...	..	...
24	10	115	8·2*	90	6·6*	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	9¾	120	43·3	105	22·1	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	..	...	...	...	...	...	...	...
31	10	52	20·1*	52	17·0*	...	...	...	...	...	...	...	...

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	15	...	...	120	...	...	...	...	..	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	13	...	...	150	5·4*	...	...	134	3·5*	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	..	...	...	...	...
10	18	120	36·2	90	16·1	...	...	...	...	...	...	340	1·2
11	15	120	...	150	...	...	...	..	...	...	...	...	...
12	14¼	...	...	125	18·3	180	...	...	...	...	...	...	...
13	13¼	67	5·5*	97	11·5*	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	14¼	...	...	90	8·2	300	4·0	...	...	...	...	270	...
17	17½	...	...	...	...	...	...	...	...	...	...	255	...
18	12½	...	...	90	13·5	...	...	...	...	225	..	...	...
19	...	...	...	..	...	...	...	...	...	...	...	...	...
20	13¼	57	13·4*	62	11·7*	...	...	...	...	...	...	...	...
21	..	...	..	...	..	...	...	...	...	...	..	...	...
22	14¼	72	7·3*	57	5·1*	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	..	...	...	...	...	...	...	...	...	...	...	...
25	12¼	117	13·8*	79	12·4*	...	...	...	...	..	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	..	...
27	15½	120	27·7	120	27·9	180	...	...	..	..	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	..	...	...	...	...	...	...	...	...	...	...
31	18¼	...	...	...	...	...	...	225	...	...	..	180	...

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

* Observatory Pamplemousses.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

FEBRUARY, 1934

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

DIRECTOR

Published by Authority of His Excellency the Governor

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1935

Magnetic Work was suspended
on September 5th, 1933, owing
to Extensive Repairs to
Magnetic Basement.

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of FEBRUARY 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure.	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
FEB.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	963·5	23·9	2·4	19·7	77	22·7	70	6·3	10	21·1	23·0	24·7	22·0	25·7	20·5	5·2	0·2	5·7	44
2	963·7	24·9	3·4	19·1	70	21·9	50	7·2	7	21·4	23·5	25·5	22·4	26·4	21·0	5·4	0·0	9·9	77
3	965·0	25·1	3·3	19·5	71	22·4	70	7·2	5	22·5	23·6	26·5	22·7	27·4	22·0	5·4	0·0	11·1	86
4	965·5	25·1	3·6	19·0	69	21·8	100	4·9	5	20·9	23·2	25·6	21·2	27·3	20·6	6·7	0·3	10·9	85
5	965·6	23·9	2·9	18·9	73	21·6	75	5·8	8	20·0	23·6	26·4	20·7	27·4	19·8	7·6	0·5	10·9	85
6	964·9	23·2	1·9	19·9	82	23·0	110	2·7	9	19·8	21·7	25·7	20·8	27·4	19·3	8·1	1·0	7·0	55
7	965·1	25·9	4·4	18·4	63	21·0	85	5·4	6	20·9	24·0	26·2	21·7	27·9	20·6	7·3	1·0	10·4	81
8	965·9	23·3	1·4	20·9	87	24·5	70	5·4	10	21·0	22·0	25·0	21·6	27·4	20·8	6·6	1·1	7·0	55
9	965·8	25·3	5·1	16·6	59	18·7	75	3·6	6	20·6	24·0	26·0	21·4	28·0	20·0	8·0	0·0	11·0	86
10	966·0	25·4	4·0	18·6	66	21·2	80	4·5	2	20·9	23·6	26·6	21·1	28·5	20·4	8·1	0·0	9·8	77
11	963·9	25·0	2·5	20·7	77	24·2	100	4·0	10	20·5	24·2	24·5	22·3	27·4	20·0	7·4	0·0	4·6	36
12	965·2	26·1	4·5	18·5	63	21·1	75	2·7	9	21·5	24·5	26·2	22·5	28·4	21·0	7·4	2·3	7·2	57
13	964·9	25·8	3·3	20·2	71	23·4	85	4·0	9	21·9	24·0	25·7	21·7	28·3	21·7	6·6	1·3	9·2	72
14	965·1	24·5	2·2	20·7	75	22·7	75	2·2	9	21·2	22·4	26·0	21·5	27·8	20·9	6·9	0·8	8·7	69
15	964·1	24·9	4·5	17·2	63	19·4	90	6·3	8	21·4	23·5	25·9	21·0	27·1	20·4	6·7	0.0	10·3	81
16	963·4	24·5	3·0	19·3	63	22·2	90	3·1	8	20·5	23·6	25·4	21·0	27·2	20·1	7·1	0·9	8·0	63
17	964·6	23·9	2·6	19·4	76	22·3	100	4·9	10	20·5	22·7	26·6	21·1	27·3	19·9	7·4	1·6	6·8	54
18	965·1	24·8	3·2	19·3	72	22·2	110	9·4	7	20·7	23·0	22·6	21·2	25·2	20·4	4·8	14·2	4·5	36
19	965·2	24·9	3·6	18·7	69	21·4	100	7·2	2	20·7	23·5	25·2	20·9	26·8	20·6	6·2	3·6	8·2	65
20	965·6	24·9	3·6	18·7	69	21·4	120	4·9	7	20·0	23·0	26·0	20·4	27·6	19·6	8·0	0·9	9·5	76
21	965·2	25·3	4·0	18·5	66	21·1	120	6·3	5	20·5	24·1	25·0	21·0	27·4	20·3	7·1	0·0	8·2	65
22	964·2	25·3	3·8	18·8	67	21·5	115	5·8	8	20·5	22·5	22·5	21·0	26·6	19·6	7·0	2·9	4·5	36
23	960·7	21·9	1·4	19·4	86	22·3	125	8·9	9	20·5	22·0	23·5	21·0	25·0	20·5	4·5	16·0	9·8	78
24	960·7	24·9	2·2	21·1	79	24·8	60	4·5	8	20·6	22·5	22·5	20·2	26·6	20·0	6·6	7·4	9·4	75
25	964·2	25·2	3·1	19·9	73	23·0	90	4·9	3	21·0	23·0	24·5	21·5	26·8	20·3	6·5	11·6	9·7	78
26	965·4	25·2	4·1	18·2	65	20·7	120	3·1	6	20·0	23·7	25·0	20·7	27·4	19·6	7·8	0·0	10·9	87
27	963·7	24·2	2·5	19·9	77	23·0	120	5·4	6	20·6	21·4	24·5	21·0	27·0	20·2	6·8	1·6	8·5	68
28	959·2	24·4	2·1	20·8	80	24·3	160	4·9	8	21·0	23·2	24·9	21·6	26·7	21·5	4·2	2·4	8·2	66
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	964·3	24·7	3·2	19·3	71·7	22·2	92·5°	5·0	7	20·8	23·2	25·2	21·3	27·1	20·4	6·7	71·6	8·56	67·6
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	41·6mbs.	Amount of rain	—	41·1mms.
Temperature of the Air	+	2·8°C	Duration of sunshine	+	1·19hrs.
Vapour pressure	+	2·1mbs.	Mean of highest temperatures	+	2·2°C
Relative Humidity	—	4·7%	,, lowest temperatures	+	2·1°C
Velocity of Wind	—	0·1mps.	Absolute highest temperature	+	2·4°C
Amount of Cloud		0·0	,, lowest temperature	+	1·6°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1934

Month and Day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10)
FEB.	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	1004·0	− 0·5	28·3	23·0	5·0	25·3	− 0·6	2·0	21·9	+ 0·1	82	+ 4	26·0	21·2	0·2	04	6·8	5·9
2	1004·7	+ 0·3	29·0	23·3	5·7	25·8	− 0·1	2·4	21·7	− 0·1	78	0	25·7	21·8	0·0	...	6·4	5·7
3	1005·8	+ 1·4	29·2	24·0	5·2	26·0	+ 0·1	2·6	21·6	− 0·2	77	− 1	25·5	22·0	0·1	02	7·7	5·2
4	1006·3	+ 1·9	29·1	22·4	6·7	25·5	− 0·4	2·9	20·6	− 1·2	74	− 4	24·0	20·8	1·3	10	8·5	5·0
5	1006·4	+ 2·1	28·7	22·1	6·6	25·1	− 0·8	3·1	19·8	− 2·0	73	− 5	22·9	20·0	0·0	...	7·4	5·8
6	1005·7	+ 1·4	29·7	20·9	8·8	25·1	− 0·8	3·1	19·8	− 2·0	73	− 5	22·9	19·2	0·0	...	8·0	4·3
7	1006·3	+ 2·0	29·5	22·7	6·8	25·5	− 0·4	2·7	20·9	− 0·9	76	− 3	24·5	20·8	0·0	...	7·0	4·7
8	1006·9	+ 2·6	29·3	23·0	6·3	25·7	− 0·2	2·7	21·1	− 0·7	76	− 3	24·8	21·8	0·5	6	6·5	5·8
9	1006·8	+ 2·5	29·1	22·1	7·0	25·4	− 0·5	3·1	20·1	− 1·9	74	− 5	23·3	20·8	0·0	...	7·4	5·7
10	1006·5	+ 2·2	29·3	22·0	7·3	25·3	− 0·6	2·9	20·4	− 1·6	74	− 5	23·7	20·6	1·2	20	8·4	4·3
11	1004·9	+ 0·6	29·0	21·9	7·1	25·2	− 0·7	1·8	21·1	− 0·9	79	0	24·8	20·8	2·1	14	5·1	6·3
12	1005·9	+ 1·6	30·1	23·6	6·5	26·3	− 0·5	2·4	22·2	+ 0·3	78	− 1	26·5	22·6	0·1	2	7·1	7·2
13	1005·8	+ 1·5	29·3	23·9	5·4	26·0	− 0·2	1·2	24·0	+ 2·1	89	+ 10	29·5	21·6	1·7	14	6·9	6·5
14	1005·5	+ 1·2	29·1	22·8	6·3	25·5	− 0·3	2·7	20·9	− 1·0	74	− 5	24·5	21·4	0·3	4	6·7	3·8
15	1004·9	+ 1·5	29·1	22·2	6·9	25·0	− 0·8	3·1	19·7	− 2·2	72	− 7	22·7	20·8	1·3	9	6·7	5·2
16	1004·1	− 0·3	29·0	21·6	7·4	25·2	− 0·6	2·8	20·4	− 1·5	75	− 4	23·7	20·0	1·6	10	8·0	4·7
17	1005·3	+ 0·9	29·3	22·7	6·6	25·3	− 0·5	2·8	20·5	− 1·4	75	− 4	23·9	21·2	0·7	12	6·3	5·6
18	1006·3	+ 1·8	28·8	23·4	5·4	25·5	− 0·3	2·7	20·9	− 1·0	76	− 3	24·5	22·4	2·8	41	5·6	7·0
19	1006·6	+ 2·1	29·7	22·3	7·4	25·7	− 0·1	3·3	20·1	− 1·8	74	− 5	23·3	21·0	0·0	...	7·4	4·7
20	1006·6	+ 2·1	29·2	22·8	6·4	25·3	− 0·5	3·0	20·2	− 1·7	73	− 6	23·4	21·0	0·8	9	7·8	6·6
21	1006·2	+ 1·6	30·1	21·9	8·2	25·5	− 0·3	3·5	19·5	− 2·4	69	− 10	22·4	19·2	0·0	...	7·2	5·2
22	1004·6	0·0	30·1	22·5	7·6	25·2	− 0·5	2·7	20·6	− 1·2	76	− 3	24·0	22·0	0·0	...	7·0	6·0
23	1001·4	− 3·2	27·9	22·5	5·4	24·7	− 1·0	2·3	20·7	− 1·1	79	0	24·2	21·0	13·6	49	10·8	6·0
24	1002·1	− 2·6	28·7	22·1	6·6	24·2	− 1·5	1·4	21·8	− 0·0	87	+ 8	25·9	21·0	0·0	...	6·0	5·3
25	1005·1	+ 0·4	28·7	23·0	5·7	25·5	− 0·2	2·3	21·6	− 0·2	79	0	25·5	21·0	1·4	14	8·6	6·4
26	1006·0	+ 1·2	29·3	21·9	7·4	25·2	− 0·5	3·0	20·1	− 1·7	74	− 5	23·3	20·4	0·3	5	8·1	3·0
27	1003·9	− 0·9	28·6	21·8	7·8	25·5	− 0·2	3·1	20·2	− 1·6	72	− 7	23·4	19·4	0·4	8	10·0	5·0
28	999·4	− 5·4	30·9	22·0	8·9	26·5	+ 0·8	3·3	20·9	− 0·9	71	− 8	24·5	20·0	0·1	2	7·3	5·9
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1005·1	+ 0·7	29·3	22·5	6·7	25·4	− 0·4	2·7	20·8	− 1·0	76·0	− 2·8	24·4	20·9	Sum 30·5	Sum 235	7·7	5·5
Aver.	1004·4	...	29·5	22·8	6·7	25·8	...	2·3	21·8	...	78·8	...	2·60	20·5	197·0	1910	5·5	6·1
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 FEBRUARY 1934.

Two cyclonic centres were observed in the South Indian Ocean during the month. A first cyclone formed about the 18th-19th in the North of the Mozambique Channel; moving W. S. W. it passed over Mayotte on the 19th. It recurved between the 21st and the 23rd and subsequently moved S. down the channel in about long. 40° E. until the 28th. It was small but intense.

On the 25th another cyclone was centred about 800 miles E. N. E. of Rodrigues. It moved W. S. W. and the centre passed over the South of Rodrigues early on the 28th. Subsequently it moved S. W. This cyclone was also of considerable intensity.

These were too far to affect in a direct manner the weather at Mauritius; in fact conditions over the island during the month were mainly anticyclonic; high pressure, low temperature and a low degree of humidity with a considerable scarcity of rainfall being the most noteworthy features. The intense drought from which the island had been suffering since the previous October, was this month reaching its climax. Rainfall at the Observatory was only 15.5% of the average.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1934.

Month and Day 1933.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather (0h. 3h. 6h. 9h. 12n. 15h. 18h. 21h. 24h.)
FEBRUARY	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	8·1	62	3·9	+ 0·5	24·5	25·9	27·4	27·3	c : b : c : oq : c : bc : b .
2	8·8	68	4·2	+ 0·8	24·4	25·9	27·4	27·4	bc : c : og : c : bc .
3	11·0	85	4·1	− 0·7	24·6	26·0	27·4	27·6	bc : c : bc .
4	11·5	89	3·7	+ 0·3	24·5	25·9	27·4	28·1	bc : c : bcp : bc : c .
5	10·2	79	3·3	− 0·1	24·5	25·9	27·6	28·3	bc : c : bc .
6	10·8	84	2·8	− 0·6	24·5	25·9	27·7	28·3	bc : c : bc : b .
7	10·7	83	3·5	+ 0·1	24·5	25·9	27·8	28·6	b : bc : c : bc : bc .
8	9·7	76	3·6	+ 0·2	24·4	25·9	27·9	28·7	bc : bed$_o$: c : bc : o .
9	10·4	81	3·3	− 0·1	24·4	25·9	28·0	28·8	c : bc : c : bc .
10	12·0	94	2·9	− 0·5	24·6	25·9	28·1	28·7	cd$_o$: cd$_o$: ber$_o$: bc : b .
11	6·9	54	2·8	− 0·6	24·6	25·9	28·2	28·9	b : c : o : cp : c : bc .
12	8·8	69	3·0	− 0·4	24·6	26·1	28·2	28·6	bc : b : c : o : c : bc .
13	8·8	69	3·2	− 0·2	24·6	26·0	28·3	28·7	bc : c : op : o : c : bc : b .
14	10·2	80	2·9	− 0·5	24·6	26·1	28·3	28·7	b : bc : cd : c : bc .
15	10·7	84	3·3	− 0·1	24·7	26·1	28·3	28·8	bc : cp : bc : c : bc .
16	11·1	87	3·2	− 0·2	24·6	26·1	28·3	28·8	cp : bc : bcp : c : c : b .
17	9·1	72	4·0	+ 0.6	24·6	26·1	28·3	28·6	b : b : o : c : bcd : bc .
18	7·8	61	5·7	+ 2·3	24·6	26·0	28·3	28·5	c : or : cd . cgq : c : bc : b .
19	10·6	84	4·4	+ 1·1	24·6	26·2	28·3	28·5	b : bc : c : bc .
20	9·9	78	3·8	+ 0·5	24·6	26·1	28·2	28·6	cd : bc : c : o : c .
21	8·9	71	3·2	− 0·1	24·6	26·1	28·2	28·7	bc : c : c : bc .
22	8·2	65	4·0	+ 0·7	24·8	26·2	28·2	28·6	bc : c : cgr$_o$. c : bc .
23	9·8	78	4·6	+ 1·3	24·7	26·2	28·2	28·6	cl : bc : og : ogp : c : or .
24	8·4	67	3·2	− 0·1	24·7	26·1	28·2	28·5	cl : bc : c : bc : c .
25	9·4	77	3·3	0·0	24·6	26·1	28·1	28·5	c : od . c : cd : c : bc .
26	11·2	90	3·3	0·0	24·6	26·1	28·1	28·6	bcd : b : bc : b .
27	10·3	82	3·4	+ 0·1	24·8	26·2	28·1	28·6	b : bc : c : bcd .
28	9·7	78	3·6	+ 0·3	24·8	26·3	28·1	28·7	c : bc : c . og . c .
...	...	...	...	...	...	...	...	...	..... .
...	...	...	...	...	...	...	...	...	..... .
...	...	...	...	...	...	...	...	...	..... .
Mean	9·75	76·7	3·58	+0·22	24·59	26·04	28·02	28·46	.....
Average	7·60	59·7	3·36	...	25·13	26·87	28·16	28·62	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF FEBRUARY 1934.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1008·2mbs	at 22h.	on 8th	997·2mbs	at 15 & 16h.	on 28th
Temperature of the Air	30·9°C	at 13h. 05	on 28th	20·9°C	at 05h.45	on 6th
Daily range of temperature of the Air ...	3·5°C	...	on 21st	1·2°C	.	on 13th
Temperature of the Dew Point	24·2°C	at 08h. 00	on 13th	16·1°C	at 15h.	on 20th
Daily range of temperature of the Dew Point	5·6°C	...	on 24th	1·9°C	...	on 2nd
Relative humidity	97·2%	at 0·00h.	on 24th	43·6%	at 15·00hs.	on 20th
Wind Velocity	8·7m.p.s.	at 12.00 h.	on 18th	0·6m.p.s.	at 06.00hrs.	on 31st
Rainfall in 24 hours	9·0mms	ending 23 hrs.	on 23rd	...	...	...
Evaporation in 24 hours...	10·8mms	on 23rd	5·1mms	on 11th	...	...
Duration of sunshine	12·0hrs.	...	on 10th	6·9h	...	on 11th
Vapour Pressure	29·9mbs.	at 8.00h.	on 13th	18·1mbs	at 15.00hrs.	on 20th
Minimum on Grass	...	...	...	19·2°C	...	on 6th & 31st.

Mean Day Temperature of Air, 27·2°C. Average 27·63°C. Mean Night Temperature of Air, 23·5°C. Average 24·11°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
0	1	24	3	...	10	8	...	1	...	2	...

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

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

FEBRUARY 1934.

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	048	051	063	070	070	070	066	072	080	077	070	061	070	058	059	051	Midnight
1h	044	048	060	062	066	067	060	066	074	070	061	058	067	054	054	048	1h
2	035	043	055	058	062	059	058	060	070	067	052	050	060	050	050	041	2
3	030	041	053	057	060	054	053	059	063	061	048	042	056	050	049	036	3
4	030	039	051	056	059	052	054	059	060	061	042	041	053	050	049	037	4
5	032	033	053	057	053	055	056	060	059	066	044	046	054	051	050	036	5
6	034	039	056	062	059	059	061	062	060	071	050	051	059	056	050	035	6
7	040	043	060	068	061	061	067	069	066	074	051	059	062	060	052	038	7
8	043	050	061	070	064	061	070	071	070	078	055	061	063	062	056	041	8
9	049	054	061	072	069	061	070	076	074	079	051	067	063	068	058	043	9
10	049	054	061	071	071	061	068	077	079	077	049	068	062	068	059	048	10
11	047	051	061	070	070	060	067	076	075	073	048	066	061	063	056	048	11
Noon	041	049	058	066	067	056	061	074	071	064	045	065	060	060	050	042	Noon
13h	040	047	052	061	051	050	060	073	067	060	041	060	057	052	048	040	13h
14	033	041	051	060	058	047	052	007	061	056	034	052	050	049	041	033	14
15	020	036	050	053	054	041	050	060	056	050	034	050	050	045	036	030	15
16	026	031	049	052	053	041	050	060	053	043	033	050	043	041	033	030	16
17	028	037	049	051	057	041	052	060	058	045	034	051	047	044	033	031	17
18	034	041	052	056	060	050	059	065	064	051	042	057	050	050	036	034	18
19	041	050	060	060	067	056	065	071	069	060	049	062	059	056	041	040	19
20	042	055	065	062	070	060	070	078	071	067	059	066	064	060	050	045	20
21	050	063	070	070	072	065	076	081	079	071	062	071	065	061	053	050	21
22	053	068	072	071	076	069	078	082	080	071	063	075	064	063	057	051	22
23	057	068	072	071	074	069	076	081	080	071	062	073	061	061	055	054	23

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	...	...	...	Mean	Day. / Hour
Midnight	051	061	072	073	070	066	039	016	042	070	064	021	...	...	...	1006·0	Midnight
1h	049	057	069	071	061	060	033	013	040	066	060	015	...	...	...	1005·5	1h
2	043	052	064	069	055	057	025	011	039	061	056	007	...	...	...	1005·0	2
3	045	052	061	063	056	051	018	008	038	055	050	000	...	...	...	1004·7	3
4	041	056	060	060	056	050	014	003	039	052	042	999	...	...	...	1004·5	4
5	044	058	060	061	058	050	015	008	040	058	043	999	...	...	...	1004·6	5
6	050	061	061	063	061	051	016	013	046	061	049	001	...	...	...	1005·0	6
7	053	069	068	068	068	052	018	017	049	067	050	002	...	...	...	1005·4	7
8	060	072	069	069	069	056	020	021	051	069	050	007	...	...	...	1005·7	8
9	061	071	070	071	070	060	019	026	053	070	051	009	...	...	...	1005·9	9
10	063	071	070	075	071	058	020	023	053	070	050	007	...	...	...	1005·9	10
11	061	069	071	070	070	053	020	024	051	068	049	001	...	...	...	1005·7	11
Noon	056	062	070	070	064	050	020	020	049	061	044	994	...	...	...	1005·3	Noon
13h	050	058	063	063	060	042	010	019	046	059	036	983	...	...	...	1004·8	13h
14	044	054	059	059	056	035	000	017	044	051	028	974	...	...	...	1004·3	14
15	044	051	056	058	051	030	998	010	042	049	022	972	...	...	...	1003·9	15
16	043	050	054	054	052	029	996	011	042	048	020	972	...	...	...	1003·8	16
17	048	052	058	056	053	031	998	013	046	049	021	974	...	...	...	1004·0	17
18	050	053	060	060	056	035	000	020	051	051	021	978	...	...	...	1004·4	18
19	059	060	069	068	060	036	004	030	060	053	030	984	...	...	...	1005·1	19
20	061	067	070	071	063	038	009	034	066	060	032	991	...	...	...	1005·5	20
21	060	071	072	073	068	041	014	040	071	063	032	993	...	...	...	1005·9	21
22	065	076	079	074	069	043	018	044	072	067	030	993	...	...	...	1006·2	22
23	064	076	080	071	068	040	018	043	072	067	028	991	...	...	...	1006·1	23

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

Hour \ Day.	FEBRUARY 1934.																															
	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				Mean.
Midnight	8	3	5	2	7	3	2	3	7	7	2	5	4	2	2	5	1	6	2	6	3	4	7	8	7	5	1	8	...	...	...	4·5
1h	6	2	5	3	5	3	2	3	7	6	2	5	4	2	3	8	1	7	0	6	4	4	8	7	6	4	2	6	...	...	...	4·4
2	4	2	6	4	4	2	2	2	6	6	1	3	5	2	4	6	2	10	1	3	3	4	9	6	6	2	5	3	...	...	...	4·0
3	2	2	5	4	5	3	3	2	5	7	1	2	5	2	4	2	3	10	1	1	2	7	5	5	6	4	7	2	...	...	...	3·8
4	1	3	6	7	5	2	2	3	4	5	2	2	0	1	5	2	3	10	0	2	3	4	3	4	6	7	6	2	...	...	...	3·8
5	2	3	5	8	4	3	4	5	3	4	7	7	6	3	6	3	2	8	3	5	3	3	3	3	10	2	4	6	...	...	...	4·5
6	7	5	6	9	3	3	6	6	2	3	10	9	10	3	7	3	2	9	4	7	3	3	4	3	9	1	7	3	...	...	...	5·3
7	7	5	6	7	4	7	6	6	2	3	10	9	8	3	6	3	2	9	4	7	3	3	3	3	9	1	9	3	...	...	...	5·3
8	9	7	5	6	5	5	7	6	5	5	10	9	9	7	5	2	5	7	4	3	4	7	3	3	7	1	7	7	...	...	...	5·7
9	10	7	5	4	7	4	8	6	3	6	8	8	7	9	5	3	10	3	5	7	5	8	9	4	4	5	2	9	...	...	...	6·1
10	7	8	5	4	10	8	6	7	4	6	8	8	9	7	0	8	9	8	4	8	5	7	9	7	4	4	9	9	...	...	...	6·9
11	8	8	5	4	9	8	6	8	7	6	8	9	9	7	7	7	9	7	6	8	7	7	10	8	5	3	7	7	...	...	...	7·1
Noon	10	9	4	3	9	7	6	9	9	4	9	9	9	8	8	6	9	7	8	7	9	8	6	9	6	4	6	5	...	...	...	7·2
13h	10	10	4	3	7	6	6	8	8	4	10	10	9	6	7	7	9	8	8	7	9	8	2	8	6	4	8	5	...	...	...	7·1
14	9	9	4	4	6	5	6	8	8	5	9	10	9	3	6	7	9	8	8	8	9	7	1	7	7	4	4	4	...	...	...	6·6
15	9	9	8	5	7	5	6	7	7	6	9	10	9	3	5	7	9	9	7	9	9	7	1	6	9	5	3	7	...	...	...	6·9
16	9	9	8	5	7	5	6	7	7	6	8	10	9	3	5	7	9	9	7	9	9	7	2	6	9	5	3	7	...	...	...	6·9
17	7	7	8	5	6	5	6	6	6	5	8	9	9	3	5	7	8	7	7	9	8	7	6	4	7	2	4	5	...	...	...	6·3
18	5	5	8	5	6	5	5	5	6	1	7	9	7	3	5	5	7	7	7	10	8	7	8	3	7	1	6	4	...	...	...	5·8
19	3	5	6	5	7	4	5	5	6	1	7	9	5	3	5	5	7	7	7	9	8	7	8	3	7	1	6	5	...	...	...	5·6
20	2	5	4	4	6	4	3	5	6	2	5	6	3	3	6	3	4	4	6	9	4	6	9	4	5	1	4	8	...	...	...	4·7
21	2	5	2	3	3	3	3	8	6	2	3	5	2	2	6	2	3	3	4	9	2	5	9	4	4	2	3	9	...	...	...	4·1
22	2	5	2	9	3	2	3	8	6	2	4	5	2	2	3	2	6	2	4	7	2	6	10	7	3	2	3	9	...	...	...	4·3
23	2	5	3	8	3	1	3	7	6	2	4	5	1	3	3	2	5	2	5	3	3	7	9	6	3	1	4	9	...	...	...	4·1

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

AT THE ROYAL ALFRED OBSERVATORY, MAURITIUS.

Hour Ending. \ Day.	FEBRUARY 1934.																															
	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				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	12	10	0	0	0	0	0	0	8	0	0	0	2	0	0	0	0	0	0	0	...	...	...	0·5
7	44	32	32	35	32	0	40	47	60	60	0	19	0	48	41	55	60	0	60	35	44	33	45	10	0	52	0	56	...	...	...	15·7
8	38	60	48	60	45	42	48	60	60	60	29	42	58	20	50	50	60	60	60	49	60	46	56	15	16	60	51	60	...	...	...	22·7
9	55	60	60	60	51	60	45	60	60	50	55	54	55	35	60	60	18	54	60	60	60	21	30	40	55	40	60	35	...	...	...	23·5
10	60	55	60	60	36	60	60	22	60	60	45	60	60	48	60	60	55	30	60	60	60	27	44	60	60	60	49	40	...	...	...	24·5
11	60	50	60	60	33	60	60	16	60	60	28	56	60	49	58	60	50	12	60	60	60	50	20	60	60	60	60	55	...	...	...	24·0
Noon	35	51	60	60	55	60	60	53	21	60	35	45	54	60	57	60	50	55	60	60	18	52	55	47	60	60	60	60	...	...	...	24·9
13h	10	34	60	60	60	60	60	46	14	60	13	60	15	60	45	50	45	50	60	60	35	60	60	45	60	60	44	55	...	...	...	22·3
14	35	18	60	60	60	60	55	43	55	60	50	60	55	60	60	54	60	60	60	60	40	60	60	41	50	60	60	50	...	...	...	25·1
15	57	46	40	60	60	60	60	60	60	60	58	60	18	60	60	58	60	53	60	60	38	55	60	53	46	60	60	30	...	...	...	25·2
16	56	44	60	60	60	60	32	60	60	60	58	22	32	60	40	53	60	60	54	50	37	54	60	31	57	60	60	45	...	...	...	24·1
17	30	38	60	60	60	60	55	60	50	60	37	40	60	60	56	55	20	35	40	19	37	15	60	41	60	60	60	47	...	...	...	22·3
18	5	39	55	42	60	58	60	55	50	60	5	8	60	48	49	50	0	0	0	22	14	19	36	60	42	40	52	51	...	...	...	17·3
19	0	0	5	12	1	10	5	0	0	3	0	0	0	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	...	...	...	0·7

The total amount of registered sunshine was 272·8 hours and the total possible sunshine 356·3 hours.

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

(To obtain temperatures on the Absolute Scale add 273)

FEBRUARY 1934.

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

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

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

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

FEBRUARY 1934.

Hour \ Day	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day / Hour
Midnight	23.0	1·2	24·1	1·6	24·2	2·4	23·7	1·6	22·9	1·8	23·0	1·3	23·8	1·7	23·3	0·3	Midnight
1h	23·0	1·2	24.1	1·6	24·0	2·3	23·0	1·0	23·0	1·8	22·9	1·4	23·6	1·5	23·7	0·6	1h
2	22·8	1·4	24·2	1·9	23·8	2·1	22·9	1·2	23·1	1·8	22·8	1·5	23·2	1·3	23·6	0·6	2
3	22·9	1·4	24·5	1·2	23·4	1·8	23·0	1·5	23·0	1·3	23·0	1·1	23·4	1·4	23·1	0·5	3
4	23·0	1·4	23·6	0·8	23·0	1·5	23·1	1·8	22·8	1·4	22·9	1·0	23·1	1·6	23·0	0·6	4
5	22·8	1·5	23·9	1·2	22·7	1·6	23·5	2·1	22·8	1·5	22·9	1·6	23·1	1·4	22·6	0·6	5
6	22·9	1·3	24·0	1·3	22·3	1·4	23·7	2·4	22·2	1·2	23·0	1·7	23·6	1·7	22·3	0·4	6
7	24·2	2·1	24·3	1·4	24·2	2·4	24·0	2·2	23·1	1·9	24·3	2·1	24·4	2·2	23·0	0·8	7
8	25·6	2·5	25·9	2·6	26·1	3·4	25·2	2·7	26·1	3·1	25·9	3·0	26·0	2·8	24·1	0·8	8
9	26·2	3·1	26·7	3·3	27·2	4·2	26·8	3·6	27·2	4·3	26·5	3·4	26·2	2·5	24·5	0·5	9
10	27·2	4·3	25·0	1·6	28·0	4·9	26·9	3·8	29·0	5·8	27·4	4·8	27·2	3·8	27·1	2·1	10
11	27·0	4·0	27·1	3·5	28·7	5·6	28·2	4·6	29·0	5·9	28·3	5·5	23·2	0·4	27·9	2·8	11
Noon	28·0	4·8	28·2	4·3	29·1	5·5	28·4	4·8	29·3	6·1	27·2	3·4	24·2	2·1	28·3	2·3	Noon
13h	28·9	6·5	28·3	4·5	29·1	6·0	28·8	5·4	29·1	6·0	29·2	5·5	26·1	4·2	25·1	1·9	13h
14	29·0	6·0	28·0	4·7	28·9	5·7	29·0	6·3	29·0	5·7	29·1	6·0	27·2	5·2	25·0	2·1	14
15	28·9	5·9	27·2	4·1	28·4	5·4	28·8	7·6	28·7	6·0	27·5	4·1	27·2	5·9	26·0	3·3	15
16	28·2	5·1	27·5	4·4	28·2	5·2	28·2	6·2	27·3	5·2	28·1	4·3	27·2	5·1	26·1	4·2	16
17	27·2	4·2	27·0	4·1	26·3	3·1	27·0	4·3	27·0	5·1	26·5	3·5	26·2	3·7	25·2	2·3	17
18	26·0	3·0	25·5	2·7	25·6	2·8	26·1	3·9	26·0	4·8	24·1	1·7	25·1	2·8	23·9	1·9	18
19	24·2	1·2	25·2	3·1	25·3	2·6	24·8	2·9	25·0	3·7	24·3	1·6	24·7	2·1	22·8	1·4	19
20	23·5	1·1	24·9	2·8	25·0	2·7	23·9	2·7	24·3	2·9	24·3	1·9	24·2	1·4	22·6	1·3	20
21	23·9	1·0	24·8	2·8	24·3	2·2	23·2	2·3	24·0	2·4	24·3	2·1	24·1	0·9	23·0	1·1	21
22	24·0	1·2	24·6	2·6	24·2	2·2	23·3	2·2	23·9	2·4	24·0	1·8	24·0	0·9	22·8	1·1	22
23	24·1	1·3	24·5	2·6	24·1	1·9	23·1	2·1	23·4	2·0	23·5	1·5	22·9	0·4	22·9	1·1	23

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during FEBRUARY 1934.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

FEBRUARY 1934.

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	08	2·7	08	2·7	07	3·0	08	2·0	08	2·9	11	1·9	11	2·5	10	2·2	10	1·7	11	1·3	10	1·9	08	1·7	10	2·1	09	2·5	10	1·8	08	1·9
1h	07	2·5	08	2·4	07	2·7	08	2·1	08	2·6	11	1·6	11	2·1	10	1·8	10	2·6	08	1·3	10	2·1	08	2·1	10	3·4	09	2·1	10	1·3	09	1·3
2	08	3·2	08	2·9	08	2·9	08	1·8	08	2·4	11	1·9	11	1·9	09	2·0	10	2·2	11	1·8	10	1·7	08	2·5	10	1·7	09	1·2	10	1·2	09	1·5
3	08	3·9	08	2·3	08	3·5	08	2·7	08	2·3	11	2·1	11	2·2	09	2·1	08	3·0	11	2·0	10	2·2	08	2·8	10	1·6	09	1·5	10	1·5	09	1·7
4	08	2·4	08	3·6	08	2·9	08	3·3	10	2·2	11	1·9	10	2·2	09	2·6	09	3·7	11	2·1	12	2·1	08	2·4	10	1·4	09	1·9	10	1·9	09	1·5
5	08	3·2	08	3·1	08	3·2	09	3·1	10	2·4	11	1·6	10	1·4	10	2·3	10	3·5	08	1·7	12	2·0	08	2·3	10	1·2	09	2·2	11	1·8	09	1·8
6	08	2·9	08	3·1	08	3·0	10	2·8	10	1·8	11	1·4	10	1·4	11	2·1	10	2·9	10	1·5	12	2·4	08	2·1	08	1·8	10	2·2	11	1·8	11	1·7
7	08	3·4	06	3·6	08	3·7	09	2·9	10	2·5	11	2·2	10	2·3	09	2·7	10	2·6	10	2·0	12	1·8	08	1·6	09	1·7	10	0·2	11	1.5	11	1·8
8	07	2·9	06	4·8	07	4·4	08	4·2	05	3·2	10	2·9	09	4·2	08	4·0	09	4·0	10	2·9	12	2·8	06	2·6	10	2·6	10	2·4	09	3·3	10	3·9
9	07	3·2	06	5·9	07	5·5	07	4·2	06	4·9	09	4·3	09	4·2	08	4·9	08	4·2	07	3·2	09	4·3	06	4·1	08	3·2	07	2·8	09	5·1	09	4·4
10	08	7·3	06	5·6	07	5·1	07	5·2	09	4·9	10	4·4	08	4·4	07	5·2	07	3·7	08	4·3	10	4·5	06	3·8	07	3·6	07	3·3	08	5·2	09	3·5
11	07	4·9	06	6·3	07	5·6	08	4·6	08	3·9	08	3·3	09	5·1	06	5·1	07	4·1	06	4·4	08	4·4	08	4·1	07	4·1	07	4·1	08	5·8	05	4·8
Noon	06	5·9	06	5·9	07	5·3	07	5·0	07	4·4	08	3·8	08	5·2	06	5·3	09	4·4	08	4·8	08	4·6	05	3·7	10	4·8	08	4·3	08	5·3	08	4·9
13h	06	5·4	06	5·1	06	5·7	06	5·1	08	4·9	06	3·6	06	4·5	09	5·7	12	3·7	08	4·1	08	3·9	07	3·5	09	4·2	08	5·1	08	5·4	07	5·4
14	06	5·3	07	5·3	07	5·9	07	5·0	08	4·9	07	3·7	08	4·5	07	4·4	07	3·3	07	4·4	06	4·3	06	4·1	09	5·5	08	4·9	09	5·0	06	4·4
15	07	5·1	06	5·8	07	5·0	07	5·0	08	4·6	08	3·5	09	5·3	08	4·7	07	4·1	07	4·3	06	4·5	06	3·4	06	4·1	10	4·4	09	5·4	09	4·8
16	06	5·1	08	5·2	06	5·4	08	4·6	09	4·6	06	3·9	10	4·4	08	4·4	08	4·5	08	4·6	06	3·5	08	4·1	10	4·8	10	5·4	09	5·3	07	4·6
17	09	4·4	06	5·2	07	5·1	07	4·7	10	5·5	08	3·6	09	4·6	08	4·9	09	4·7	09	4·6	06	3·6	10	4·6	08	4·7	09	4·5	09	4·8	08	4·5
18	07	4·2	07	4·3	08	4·3	07	4·4	10	4·4	08	3·5	10	4·8	09	5·1	10	4·6	10	3·7	06	2·6	10	4·2	08	4·9	10	3·9	09	5·0	08	4·2
19	09	3·2	07	4·5	08	3·8	09	3·4	10	2·3	10	2·4	09	3·2	09	3·7	09	3·4	10	2·9	06	2·2	09	3·5	09	4·0	10	2.5	10	3·7	08	3·4
20	09	3·6	07	3·1	08	3·6	10	3·4	11	3·1	11	2·2	10	4·2	11	3·3	09	3·0	10	2·4	06	1·5	10	3·1	09	2·9	10	1·5	09	2·9	08	3·0
21	09	3·8	07	3·2	09	3·3	10	2·5	11	1·2	11	2·0	11	3·2	11	3·7	09	1·9	10	1·7	06	1·5	10	2·2	09	2·7	10	1·6	08	2·1	08	3·1
22	08	2·6	08	3·3	08	3·0	10	3·2	11	1·5	11	2·5	10	4·2	10	2·3	09	2·0	10	1·9	06	1·5	10	2·2	09	3·2	10	2·3	08	1·7	08	3·1
23	08	2·6	07	3·4	08	2·2	08	3·1	11	1·8	10	2·8	11	3·1	10	3·3	11	1·4	10	2·1	07	1·8	10	2·0	09	2·7	10	1·6	08	1·5	08	1·8

Hour \ Day.	17d.		18d.		19d.		20d.		21d		22d.		23d.		24d.		25d.		26d.		27d.		28d. *		...		...		...		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir	Vel	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	08	1·8	09	4·9	10	4·0	10	2·8	11	1·4	11	1·9	11	2·4	07	2·0	11	3·0	10	2·2	11	2·6	12	1·2	...	...	...	...	...	...	2·2
1h	09	2·1	10	3·8	09	4·4	11	2·6	11	1·4	11	1·9	11	2·9	07	1·9	11	2·5	10	2·0	11	1·7	14	1·4	...	...	...	...	...	...	2·2
2	09	2·8	10	6·1	10	3·9	10	3·1	11	1·1	11	1·7	11	2·4	07	1·6	09	2·1	10	1·9	11	2·1	14	1·1	...	...	...	...	...	...	2·2
3	09	2·7	11	4·6	10	3·7	11	3·1	15	1·1	11	2·0	12	2·0	07	1·4	08	2·8	10	1·9	11	2·4	14	1·0	...	...	...	...	...	...	2·4
4	10	2·3	08	3·3	10	3·5	11	3·4	15	0·7	12	1·8	13	1.8	07	1·5	08	2·1	10	2·1	11	1·2	14	0·9	...	...	...	...	...	...	2·2
5	11	2·2	10	4·1	10	3·1	10	4·1	13	1·4	12	2·4	13	2·3	10	1·4	07	2·6	12	1·9	11	1·1	13	1·1	...	...	...	...	...	...	2·3
6	10	2·3	10	4·3	10	3·1	11	4·2	13	0·6	12	2·4	13	3·3	10	1·8	08	1·8	12	2·0	16	0·7	13	1·8	...	...	...	...	...	...	2·3
7	10	2·9	10	3·5	10	3·2	12	3·9	13	1·0	12	3·1	12	1·6	10	1·3	08	3·0	12	1·6	12	1·9	13	2·0	...	...	...	...	...	...	2·4
8	07	2·5	10	5·1	09	5·6	11	4·6	13	1·5	11	4·7	14	3·9	07	2·5	09	3·1	12	2·6	12	3·4	13	4·2	...	...	...	...	...	...	3·5
9	07	4·1	10	6·9	09	5·9	11	5·2	12	4·6	11	4·9	11	4·7	07	2·9	07	3·5	11	3·7	12	4·8	13	5·2	...	...	...	...	...	...	4·4
10	09	4·2	09	8·0	09	6·0	10	5·0	12	4·7	09	5·2	12	7·6	06	3·4	09	4·1	11	4·1	11	4·9	12	5·4	...	...	...	...	...	...	4·9
11	09	4·7	10	7·8	09	6·9	10	5·0	11	5·3	12	6·3	10	7·4	04	5·1	09	5·3	12	4·4	11	5·6	14	5·7	...	...	...	...	...	...	5·1
Noon	09	5·4	10	8·7	09	6·1	09	5·0	12	4·9	11	5·1	10	8·4	04	4·9	08	4·9	10	4·7	11	5·8	15	5·9	...	...	...	...	...	...	5·3
13h	11	5·2	10	7·8	10	5·4	10	5·5	12	5·1	11	6·4	12	7·0	11	5·4	09	5·1	11	5·2	11	4·8	15	7·1	...	...	...	...	...	...	5·2
14	10	5·8	09	8·6	10	5·3	11	5·8	09	4·6	12	6·0	11	7·6	11	6·2	07	5·4	11	5·1	10	5·6	14	6·6	...	...	...	...	...	...	5·3
15	09	5·7	09	8·2	11	4·9	11	4·4	12	5·8	10	6·5	12	6·9	10	5·4	07	5·0	11	5·0	12	5·1	14	4·5	...	...	...	...	...	...	5·0
16	09	6·2	09	7·9	09	5·0	10	4·1	12	5·7	10	6·5	10	8·8	11	5·4	07	4·7	12	5·4	11	4·6	13	5·2	...	...	...	...	...	...	5·1
17	09	5·7	10	6·6	10	4·6	10	4·1	13	5·5	10	5·0	10	7·3	09	4·5	06	4·4	10	5·4	12	5·8	14	5·4	...	...	...	...	...	...	4·9
18	08	4·4	10	5·9	09	4·1	09	4·4	12	5·2	10	4·4	10	5·9	09	4·4	08	3·7	12	4·8	12	4·9	16	5·0	...	...	...	...	...	...	4·5
19	10	4·8	10	5·1	11	2·9	10	2·5	12	4·2	10	3·8	10	4·1	10	3·2	08	3·1	11	2·9	11	4·2	16	4·6	...	...	...	...	...	...	3·5
20	09	4·8	10	4·4	11	2·9	10	1·8	12	3·9	11	3·6	10	3·4	10	2·1	09	1·7	11	2·3	12	2·7	15	4·0	...	...	...	...	...	...	3·0
21	09	3·6	10	4·8	11	4·3	10	2·3	12	2·7	11	3·9	09	3·0	10	2·6	09	1·6	11	2·6	12	2·8	14	2·3	...	...	...	...	...	...	2·7
22	08	4·5	10	4·5	11	4·1	11	2·8	12	3·1	10	3·5	08	2·6	10	2·6	10	1·9	11	3·1	12	2·2	15	2·5	...	...	...	...	...	...	2·8
23	08	4·7	09	4·5	11	3·3	11	2·0	11	2·1	11	3·0	06	3·3	11	2·2	10	1·2	11	2·9	12	1·1	18	1·4	...	...	...	...	...	...	2·5

TABLE XIII.—WIND, NUMBER OF OBSERVATIONS, FEBRUARY, 1934.

Hour	Force (0–12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W
3	...	...	28	...	...	...	...	13	5	8	1	1	...	...	...	...	...	...	...
9	...	4	24	...	...	...	3	17	1	7	...	...	...	...	...	...	...	...	...
15	...	6	22	...	...	...	4	14	3	6	1	...	...	...	...	...	...	...	...
21	...	...	28	...	...	...	1	10	7	9	1	...	...	...	...	...	...	...	...
Totals	...				...	...	8	54	16	30	3	1	...	...	...	...	...	...	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for FEBRUARY 1934.

Hour \ Day	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22d	23rd	24th	25th	26th	27th	28th			
	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	...	...	...	...	...	1·0	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3	...	...	...	...	...	...	0·1	...	...	...	...	...	...
5	...	...	...	...	...	...	...	0·2	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·3	...	...	...	...	...
6	...	...	...	...	...	...	...	0·2	...	0·1	...	...	...	...	1·1	0·6	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...
7	0·1	...	...	...	...	...	...	0·1	...	0·1	...	0·1	1·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	0·1	...	...	...
9	0·1	...	0·1	0·2	...	...	...	...	...	...	...	...	...	0·2	0·1	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	1·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9·0	...	...	...	...	...	...	...	...
24	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	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 FEBRUARY 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	1·07	27·2	157·5	10
*	St. Antoine	50	2·00	50·8	160·3	9
*	Belmont	50	2·62	66·5	175·8	11
*	Poudre d'Or	20	2·82	71·9	164·6	12
	Mon Loisir S. E.	300	2·74	69·6	205·5	13
	Forbach	300	..	...	201·7	...
*	Couroupa	...	1·43	36·3	164·6	8
*	Labourdonnais	290	1·75	44·5	217·2	8
	Beau Séjour	300	2·66	67·6	234·7	16
	Mont Piton	650	2·52	64·0	264·9	9
	Mon Choix	700	2·72	69·1	246·6	13
	Antoinette	640	3·41	86·6	252·0	12
	Mon Songe	620	3·73	94·7	252·5	14
	Botanical Gardens ...	325	2·68	68·1	227·8	20
*	The Observatory	179	1·20	30·5	190·8	19
	Solitude	175	0·86	21·8	134·9	6
	St. André	90	0·90	22·9	159·8	4
	La Nicolière	...	3·93	99·8	...	14
2 & 3	Union Régnard S.E. ...	600	4·34	110·2	259·3	14
	Constance d'Arifat L.G. ...	100	2·22	56·4	203·4	14
	Rich Fond	600	4·21	106·9	246·6	25
	La Joffrette	...	4·35	110·5	...	12
	Belle Vue (Allendy) ...	...	3·56	90·4	223·5	15
4	Sans Souci	900	8·96	227·6	408·7	24
	Beau Champ (G.B.S.E.) ...	20	6·88	174·7	185·9	20
	Olivia	400	4·96	126·0	274·6	17
	Trois Ilots	...	5·11	129·8	...	17
	Belle Rive	400	5·33	135·4	...	21
	Sébastopol	700	4·35	110·5	...	13
	Bonne Veine	400	7·34	186·4	396·0	24
5	Rose Belle	850	4·64	117·9	...	27
	New Grove	650	8·32	106·2	...	19
	Mon Trésor	...	2·83	71·9	...	16
	Mon Désert (Carié) ...	75	3·05	77·5	199·9	16
	Ferney	20	2·90	73·7	296·2	20
	Sauve Terre	...	3·49	88·6	...	14
6	Tivoli	1,300	4·03	102·4	440·2	25
	La Flora	1,050	3·44	87·4	408·2	23
	Riche Bois (Brit.) ...	650	3·81	96·8	...	24
	Britannia (Estate) ...	700	3·48	88·4	351·3	25
6	Savannah (Mill)	200	...	...	264·4	...
	St. Aubin...	300	1·89	48·0	240·0	18
	St. Avold...	900	4·05	102·9	387·8	23
	Colmar	400	3·79	96·3	298·1	22
	Union S. E.	...	2·28	57·9	216·9	13
	Fontenelle	320	1·96	49·8	224·3	9
	Choisy	200	2·15	54·6	...	3
	Beau Bois	...	3·98	101·1	...	21
*	Sophie	...	3·88	98·6	..	22
7,8,9 & 10	Bel Ombre	40	2·35	59·7	215·6	9
	Beau Champ (B. du Cap) ..	70	1·12	28·4	...	4
	Frédérica	...	2·71	68·8	...	8
	Pierre Fonds	...	1·18	30·0	...	12
	Ste. Marie	...	0·83	21·5	...	3
	Hussonia Limited	...	...	..	...	...
11	Curepipe Gardens	1,840	4·83	122·7	435·9	28
	Mare aux Vacoas (G.E.) ...	1,850	4·60	116·8	465·6	20
	Mare aux Vacoas (Arn.) ...	1,830	4·97	126·2	467·1	21
	La Marie Filter Bed ...	1,700	3·20	81·3	391·1	12
	Réunion...	1,420	2·95	74·9	353·3	19
*	Aerological Station ...	1,393	2·82	71·6	344·9	20
	Phœnix	...	...	...	...	...
	Quatre Bornes	...	...	...	...	...
12	Quatre Bornes (Board) ...	1,090	0·90	22·9	...	2
*	Le Réduit (D. of A.) ...	1,000	1·57	39·9	255·3	23
	Alma	1,460	4·67	118·6	461·0	16
	Bagatelle...	1,250	3·53	89·7	358·1	14
	Highlands	1,300	2·88	73·2	306·8	17
	Trianon	950	...	...	273·6	...
	Val Ory	1,100	1·75	44·4	273·1	16
	Bassin	...	1·30	33·0	...	9
	Hermitage	1,450	3·30	83·8	...	13
	Ebene	...	1·54	39·1	...	9
	Bega	...	0·85	21·6	...	7
	Mon Rêve	...	1·88	47·8	...	9
	Mont Pevril	...	1·64	41·7	...	7
	Minissy	1,150	1·99	50·5	307·6	9
	Plaisance...	...	1·96	49·8	...	9
	La Ferme	350	...	...	...	...

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 1934.

Day. \ Type.	Time	Scud		Cumulus Cu. St. &c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	9½	...	...	60	23·0	...	...	...	...	...	...	60	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	10¼	118	4·2	110	6·9	...	...	...	...	...	...	...	...
5	11¼	99	10·7*	99	14·2*	...	...	...	...	146	1·7*	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	10	90	10·7	90	7·6	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	9¾	...	...	75	18·3	...	...	...	...	...	...	285	...
13	11¼	114	11·3*	84	7·7*	...	...	...	...	206	3·7*	204	0·8*
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	11	99	11·3*	99	8·4*	...	...	...	...	...	...	...	...
16	11¼	90	16·2	60	6·2	84	4·4*	...	...	54	2·5*	...	...
17	11¼	90	11·2	105	8·1	...	...	...	...	...	...	15	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...
19	11¼	95	13·7*	111	11·1*	...	...	...	...	...	...	...	...
20	11¼	113	16·4*	111	3·7*	...	...	...	...	231	2·9*	...	...
21	10	...	...	120	4·6	270	...	270	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	11¼	104	6·3*	88	11·4*	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...

Day. \ Type.	Time	Scud		Cumulus Cu. St. &c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	13¾	77	14·7*	77	10·5*	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	13¾	52	7·9	60	6·1	...	...	...	...	...	...	...	...
7	17¼	90	24·6	...	...	105	...	...	...	...	...	...	...
8	13½	86	12·4*	50	7·5*	...	...	...	...	73	4·7*	...	...
9	16½	...	...	...	...	...	...	...	...	...	...	255	2·7
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	14¼	150	8·7	135	11·2	...	...	...	...	...	...	...	...
15	14¾	90	16·1	90	13·7	...	...	...	...	...	...	...	...
16	15	...	...	105	7·1	...	...	...	...	...	...	...	...
17	18	...	...	...	...	30	...	...	...	...	...	22	2·4
18	...	...	...	...	...	...	...	...	...	...	...	...	...
19	14¾	...	...	105	9·1	...	...	...	...	...	...	255	...
20	15¼	...	...	...	...	...	...	...	...	240	2·3	225	2·3
21	15	...	...	...	...	240	...	270	...	270	...	...	...
22	13¾	...	...	114	8·9*	...	...	...	...	261	1·4*	...	...
23	12½	...	...	...	...	360	6·0	348	3·9*	345	3·0	...	...
24	13¾	31	5·9*	356	4·6*	...	...	...	...	21	5·8*	...	...
25	18¼	97	21·1*	97	15·5*	...	...	...	...	...	...	...	...
26	12	120	6·5	75	7·9	...	...	...	...	...	...	...	...
27	18¼	...	...	112	6·0*	...	...	...	...	...	...	...	...
28	17¼	180	42·4	180	28·9	195	3·4	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

MARCH, 1934

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

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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1935

Magnetic Work was suspended
on September 5th, 1933, owing
to Extensive Repairs to
Magnetic Basement.

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of MARCH 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. 100).	Vapour Pressure.	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale=10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
MAR.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	969·6	24·5	2·2	20·7	80	24·2	250	2·7	7	20·5	22·6	26·9	22·4	27·1	19·8	7·3	7·1	8·8	71
2	967·8	26·9	3·6	20·8	69	24·3	50	0·9	4	20·2	25·3	26·4	22·3	28·2	19·6	8·6	1·0	5·8	47
3	966·3	24·4	1·0	22·7	90	27·3	110	4·9	9	21·8	22·6	24·7	20·8	26·9	20·3	6·6	1·6	7·4	60
4	965·7	22·8	1·4	20·3	86	23·6	110	5·4	8	20·5	22·0	24·0	21·0	25·9	19·3	6·6	6·4	11·0	89
5	965·1	25·0	3·8	18·5	67	21·1	100	6·7	3	20·5	23·8	26·0	20.5	26·2	19·1	7·1	2·0	11·5	93
6	965·1	25·1	4·0	18·3	66	20·8	70	2·7	5	19·8	23·3	25·1	20·5	26·9	18·6	8·3	0·0	7·0	57
7	964·3	23·3	2·8	18·4	74	21·0	105	3·1	10	18·7	22·5	24·9	21·0	25·9	16·8	9·1	1·7	9·4	77
8	963·7	23·4	1·4	21·0	86	24·6	130	5·8	8	20·0	22·0	24·9	20·7	26·0	19·3	6·7	3·4	10·3	84
9	961·9	26·1	3·1	20·9	73	24·5	125	2·7	9	20·5	24·0	25·4	21·1	26·9	19·8	7·1	2·8	8·1	66
10	963·7	24·1	2·0	20·7	81	24·2	85	2·7	7	21·0	23·0	25·8	21·5	27·1	19·5	7·6	6·1	8·4	69
11	964·7	24·1	2·9	19·1	73	21·9	105	7·2	8	21·0	23·0	23·9	21·3	26·2	20·1	6·1	6·3	8·9	73
12	964·7	24·8	1·9	21·5	82	25·4	90	8·5	9	21·2	22·2	24·7	21·5	25·9	20·5	5·4	6·3	6·6	54
13	965·5	23·5	1·0	21·8	90	25·9	90	5·4	10	21·3	23·0	23·9	21·6	25·6	20·2	5·4	3·2	5·2	43
14	962·7	26·0	2·7	23·1	84	28·0	75	4·5	7	21·3	24·5	25·9	21·5	27·1	20·3	6·8	0·9	10·2	84
15	966·1	25·8	3·6	19·7	69	22·7	90	7·2	2	21·4	24·0	26·0	21·3	26·8	20·3	6·5	0.4	10·2	84
16	967·7	24·5	2·6	20·0	76	23·2	90	8·1	3	20·4	23·5	25·2	20·6	26·0	19·8	6·2	8·5	10·3	85
17	968·4	23·9	2·5	19·6	77	22·6	90	6·7	9	19·9	21·8	23·9	20·5	25·8	19·1	6·7	4·8	9·5	78
18	966·9	23·7	3·5	17·6	69	19·9	110	2·7	8	19·5	22·0	24·5	20·1	25·9	17·5	8·4	0·3	9·6	80
19	965·8	23·5	3·2	17·9	71	20·3	100	2·2	6	18·6	22·6	25·1	19·5	26·6	16·6	10·0	0·0	9·7	81
20	966·0	25·0	4·7	17·0	61	19·2	100	1·8	3	18·5	23·5	24·9	18·1	27·1	17·8	9·3	0·0	9·2	76
21	966·3	23·9	3·3	18·2	70	20·7	95	3·6	9	19·5	23·0	24·6	20·3	25·6	18·8	6·8	0·9	9·3	77
22	964·6	25·1	4·8	16·9	60	19·0	105	4·9	5	19·5	23·5	24·8	21·0	26·6	18·6	8·0	0·0	9·8	81
23	964·6	24·9	3·5	18·9	69	21·6	90	4·5	5	20·3	23·4	25·2	20·7	26·7	19·3	7·4	0·0	10·4	87
24	967·1	25·3	4·2	18·1	64	20·6	90	4·0	4	19·4	23·5	26·5	20·4	27·0	17·5	9·5	0·0	11·0	92
25	966·6	23·3	3·3	17·6	70	19·9	115	5·8	10	20·5	23·3	23·4	21·6	25·6	20·3	5·3	1·4	6·3	53
26	966·4	23·5	1·1	21·6	89	25·5	90	8·5	10	21·1	21·5	23·1	21·0	24·0	20·1	3·9	31·6	1·4	12
27	966·7	24·3	2·9	19·3	74	22·2	90	4·9	4	20·4	22·6	24·9	20·5	26·1	19·3	6·8	1·1	11·1	93
28	965·7	24·8	3·7	18·4	69	21·4	90	4·5	5	19·9	23·6	24·9	19·8	26·2	17·4	8·8	0·0	9·9	84
29	966·9	23·3	2·4	19·1	77	21·9	110	5·8	9	18·7	22·3	23·9	20·0	25·4	17·5	7·9	3·4	6·7	57
30	965·4	23·3	1·8	20·2	83	23·4	110	8·1	5	20·0	22.1	23·6	20.5	25·1	19·2	5·9	0·3	6·6	56
31	966·4	23·6	3·4	17·7	70	20·1	75	6·7	7	19·9	22·0	24·7	20·4	26·2	18·7	7·5	0·8	11·0	93
Mean	965·8	24·4	2·9	19·5	74·8	22·6	97·4°	4·6	6·7	20·2	23·0	24·9	20·8	26·3	19·1	7·2	102·3	8·72	71·5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	41·3mbs.	Amount of rain	—	54·7mms.
Temperature of the Air	+	3·0°C	Duration of sunshine	+	29·2hrs.
Vapour tension	+	1·1mbs.	Mean of highest temperatures	+	2·8°C
Relative Humidity	—	9·1%	,, lowest temperatures	+	3·0°C
Velocity of Wind	+	0·3mps.	Absolute highest temperature	+	2·8°C
Amount of Cloud	—	0·7	,, lowest temperature	+	3·2°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1934.

Month and Day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10)
MAR.	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	1001·3	− 3·6	30·0	23·9	6·1	26·8	+ 1·1	2·6	22·4	+ 0·6	77	− 2	27·0	21·8	0·0	...	7·4	6·5
2	1008·7	+ 3·8	31·0	22·6	8·4	26·6	+ 1·0	2·5	22·4	+ 0·7	78	− 3	26·8	20·8	0·4	08	8·0	4·3
3	1008·1	+ 3·2	29·1	23·6	5·5	25·6	0·0	2·0	22·2	+ 0·5	82	− 2	26·5	22·2	5·0	78	6·6	7·2
4	1005·8	+ 0·8	29·2	22·4	6·8	25·5	− 0·1	2·8	20·7	− 1·2	75	− 5	24·2	21·0	0·2	07	6·6	3·8
5	1005·8	+ 0·8	29·1	23·1	6·0	25·7	+ 0·1	3·4	19·9	− 2·0	70	− 10	23·0	21·6	0·2	04	8·6	2·6
6	1005·7	+ 0·7	29·3	21·8	7·5	25·2	− 0·4	3·5	19·5	− 2·4	71	− 9	22·4	20·4	1·0	20	7·2	4·6
7	1005·0	+ 0·1	29·1	19·8	9·3	24·8	− 0·8	2·9	19·8	− 2·1	74	− 6	22·9	16·4	0·1	2	5·8	4·6
8	1003·7	− 1·4	29·9	22·1	7·8	25·4	− 0·2	3·2	19·9	− 2·0	72	− 8	23·0	20·2	0·5	10	9·2	3·7
9	1002·8	− 2·4	30·1	21·0	9·1	25·8	+ 0·2	2·7	21·2	− 0·7	76	− 4	24·9	18·4	1·9	10	7·8	5·2
10	1004·4	− 0·8	29·8	22·8	7·0	25·7	+ 0·1	2·4	21·6	− 0·3	78	− 2	25·5	21·6	0·6	10	6·6	5·6
11	1005·3	0·0	29·2	23·4	5·8	25·7	+ 0·1	2·4	21·6	− 0·3	78	− 2	25·5	22.4	0·9	17	9·4	4·7
12	1004·9	− 0·4	28·9	23·3	5·6	25·6	0·0	2·0	22·2	+ 0·3	81	+ 1	26·5	22·4	4·7	50	6·0	7·1
13	1005·4	0·0	29·2	23·6	5·6	25·6	+ 0·1	1·8	23·9	+ 2·1	90	+ 10	29·4	23·0	3·3	43	6·0	7·5
14	1005·3	− 0·1	29·4	23·7	5·7	26·0	+ 0·5	2·6	21·6	+ 0·2	77	− 3	25·5	22·8	0·0	...	7·0	5·0
15	1007·2	+ 1·7	29·8	22·8	7·0	25·9	+ 0·4	2·4	21·8	− 0·1	78	− 2	25·9	22·8	5·2	79	8·0	6·3
16	1008·8	+ 3·3	29·1	23·1	6·0	25·6	+ 0·1	2·8	20·8	− 1·1	75	− 5	24·3	22·0	0·8	12	6·2	4·1
17	1009·0	+ 3·4	28·9	22·2	6·7	25·0	− 0·5	3·0	19·9	− 2·0	73	− 7	23·0	19·8	0·2	4	6·3	4·6
18	1007·5	+ 1·8	29·3	20·8	8·5	24·7	− 0·8	3·5	18·7	− 3·2	70	− 10	21·4	19·2	0·0	...	6·0	2·9
19	1006·6	+ 0·9	29·3	20·1	9·2	24·4	− 1·1	3·2	18·9	− 3·0	71	− 10	21·6	18·0	0·0	...	7·6	2·6
20	1006·8	+ 1·0	29·2	20·7	8·5	24·3	− 1·2	3·2	18·8	− 3·1	72	− 9	21·5	19·2	0·6	11	8·8	2·6
21	1006·9	+ 1·1	28·8	20·9	7·9	24·5	− 0·9	3·2	19·0	− 2·8	72	− 9	21·8	17·2	0·0	...	6·2	4·0
22	1005·3	− 0·6	29·1	19·9	9·2	24·6	− 0·8	3·2	19·1	− 2·7	72	− 9	21·9	17·2	0·0		7·4	3·3
23	1005·0	− 0·9	28·7	22·5	6·2	25·1	− 0·3	2·9	20·2	− 1·6	74	− 7	23·4	20·0	0·3	6	7·2	4·4
24	1007·3	+ 1·3	29·6	21·1	8·5	25·0	− 0·4	3·4	19·2	− 2·6	70	− 11	22·0	19·6	0·0	...	7·4	2·8
25	1007·0	+ 1·0	29·3	23·0	6·3	25·3	− 0·1	1·6	22·6	+ 0·8	90	+ 9	28·8	21·8	9·4	61	6·4	6·3
26	1006·9	+ 0·8	28·0	23·7	4·3	25·5	+ 0·2	2·0	20·7	− 1·0	82	+ 1	26·3	21·6	8·2	55	4·8	8·7
27	1006.4	+ 0·3	28·3	22·6	5·7	25·0	− 0·3	2·5	19·1	− 2·6	77	− 4	24·2	20·8	0·5	10	7·3	5·7
28	1006·4	+ 0·3	28·5	21·3	7·2	24·7	− 1·4	3·1	19·1	− 2·6	71	− 10	21·9	19·8	0·4	7	7·1	5·0
29	1007·5	+ 1·3	28·1	20·9	7·2	24·3	− 1·0	2·8	19·5	− 2·2	75	− 6	22·4	20·2	1·2	11	11·4	5·5
30	1007·9	+ 1·7	28·0	22·1	5·9	24·0	− 0·6	2·6	20·1	− 1·5	76	− 4	23·3	20·8	1·7	20	7·8	5·0
31	1007·3	+ 1·6	28·3	21·3	7·0	24·7	− 0·5	3·3	19·0	− 2·6	71	− 9	21·8	19·2	0·3	6	6·1	4·3
															Sum	Sum		
Mean	1006·2	+ 0·6	29·1	22·1	7·0	25·2	− 0·2	2·7	20·5	− 1·3	75·7	− 4·6	24·1	20·5	47·6	541	6·9	4·8
Aver.	1005·6	...	32·2	17·4	14·8	25·4	...	2·2	21·8	...	80·3	...	25·9	19·9	220·4	2321	4·8	5·9
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF MARCH 1934.

The first half of March was disturbed but no cyclone formed until the 12th-13th. On the 13th it was centred just off the East coast of Madagascar in about lat. 16° S. It crossed Madagascar and on the 14th was centred in the Mozambique Channel not very far from Majunga. The rest of the month was quiet.

Very dry weather conditions were again experienced during this month; relative humidity was very low throughout; the percentage of bright sunshine was 79.3% compared with an average of 58.6%. The measures of evaporation showed a large excess in the mean, while the scarcity of rainfall amounted to a defect of 80% at the Observatory.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1934.

Month and Day 1934.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather: 0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	24h.
MARCH	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.									
1	10·4	83	3·1	− 0·2	24·8	26·4	28·1	28·7		c	:		bc	;		c	.
2	11·2	91	2·2	− 1·1	24·8	26·3	28·2	29·0		bcd	:	c	:		bc		.
3	9·5	77	3·7	+ 0·4	24·8	26·4	28·4	29·4		c	:	od	.	c		: cd	: cp .
4	11·3	91	3·5	+ 0·2	24·8	26·3	28·5	29·2	c	: bc	:	c	;	bc		:	b .
5	11·5	93	4·1	+ 0·8	24·8	26·3	28·5	29·0	bc	:	b	:		bc	:	b	.
6	9·7	78	3·1	− 0·2	24·8	26·5	28·5	28·9		b	:		bc		c	: bc	: cp .
7	11·3	92	3·1	− 0·2	24·8	26·3	28·5	28·6	c	: bc	;		c	:		bc	.
8	11·0	89	3·4	+ 0·1	24·9	26·4	28·4	28·6	bcd	:	bc		: c	:		b	.
9	11·5	94	2·4	− 0·9	24·8	26·3	28·4	28·5	bc	:	b	:	c	;		: bc	: cd .
10	10·3	84	3·4	+ 0·1	24·9	26·4	28·4	28·8	c	: bc	:		c	:	bc	:	cd .
11	9·9	80	4·9	+ 1·6	24·9	26·4	28·4	28·7	bc	: b	;		bc	: od	: bc	:	b .
12	7·7	63	6·0	+ 2·8	25·0	26·4	28·4	28·5	bc	: cd	:		cq	:	oq	: od	: c .
13	5·1	42	4·7	+ 1·5	25·0	26·5	28·3	28·2	c	: bcd	:		og	:	o	:	c .
14	10·2	84	4·3	+ 1·1	25·0	26·4	28·2	28·1	b	:	bc	:	c	: bc	: c	: bc	.
15	10·3	85	4·4	+ 1·2	24·9	26·6	28·2	28·1		c	:		bc			;	cr .
16	10·8	89	4·6	+ 1·4	24·9	26·5	28·2	28·2	c	:	bc	:	c	:	bc		: bcd .
17	9·5	78	4·5	+ 1·3	25·0	26·5	28·1	28·3		b	: bc	:		c	:	bc	.
18	10·3	85	3·1	− 0·2	25·0	26·6	28·1	28·1		b	:		bc			:	b .
19	11·0	91	3·1	− 0·2	25·0	26·5	28·0	28·0		b	:		bc			:	b .
20	11·1	92	3·1	− 0·2	25·0	26·5	28·0	27·9	b	:			bc			:	b .
21	9·0	74	2·8	− 0·4	25·0	26·5	28·0	28·1	b	: bc	:	c	:	bc		:	b .
22	10·5	87	2·9	− 0·3	25·0	26·6	28·0	27·8	b	:	bc		:	c		:	b .
23	9·5	79	3·6	+ 0·4	25·1	26·5	27·9	27·8	b	:		c				:	bc .
24	11·2	93	3·4	+ 0·2	25·0	26·5	27·9	27·8		b		:		bc		:	b .
25	7·1	59	4·4	+ 1·2	25·0	26·5	27·9	28·0		bc	: bcd	; c	:	cp		;	or .
26	4·3	36	5·4	+ 2·2	25·0	26·5	27·9	27·9		oqr		: cg	: ogq	;		c	; bc .
27	10·3	86	3·9	+ 0·6	25·0	26·5	27·9	27·7		bc		:				c	.
28	10·9	92	3·7	+ 0·5	25·0	26·5	27·8	27·7	c	: bc	: c	;		bc		:	c .
29	4·8	40	3·8	+ 0·6	25·0	26·4	27·7	27·6		b	: c	:	o ;		c	: bc	: b .
30	7·6	64	4·4	+ 1·2	25·1	26·4	27·6	27·2		b	: bc	:	od	:		bc	: b .
31	10·5	88	3·5	+ 0·3	25·2	26·5	27·6	27·0		bc	: b	:	bc	:	o	: bc	: b .
Mean	9·65	79·3	3·75	+ 5·1	24·95	26·45	28·11	28·24					.....				
Average	7·15	58·6	3·24	...	25·39	27·07	28·43	28·96					.....				
Column	19	20	21	22	23	24	25	26					.....				

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MARCH 1934.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1010·2mbs	at 09.00h.	on 17th	998·4mbs	at 02.00hrs.	on 1st
Temperature of the Air	31·0°C	at 13.10h.	on 2nd	19·8°C	at 06.40hrs	on 7th
Daily range of temperature of the Air ...	9·3°C	...	on 7th	4·3°C	..	on 26th
Temperature of the Dew Point	24·1°C	at 23h.	on 1st	17·3°C	at 11.00hrs.	on 18th
Daily range of temperature of the Dew Point	4·4°C	...	on 5th & 29th	1·4°C	...	on 13th
Minimum on Grass	...	...	...	16·4°C	...	on 7th
Relative humidity	97·0%	at 23h.	on 25th	49·2%	at 12 hrs	on 18th
Vapour Pressure	29·7mbs.	at 23h.	on 1st	19·6mps.	at 11.00hrs.	on 18th
Wind Velocity	9·7m.p.s.	at 13h.	on 12th	0·7mps	at 0 oh.	on 2nd
Rainfall in 24 hours	9·4mms.	...	on 25th	...	...	...
Evaporation in 24 hours...	11·4mms	...	on 29th	4.8mms.	...	on 26th
Duration of sunshine	11·5hrs.	...	on 5th & 9th	4·3hrs.	...	on 26th

Mean Day Temperature of Air, 27·08°C. Average 26·86°C. Mean Night Temperature of Air, 23·45°C. Average 23·57°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	6	20	5	...	14	6	4	...	...	...	...

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

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

MARCH 1934.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.																
Midnight	990	066	098	071	060	062	061	053	031	040	060	058	059	060	071	091	Midnight
1h	987	066	092	068	055	061	058	050	030	034	054	051	053	052	067	087	1h
2	984	067	090	060	051	060	054	042	028	032	051	048	048	049	060	080	2
3	985	068	088	054	047	054	050	039	021	030	049	044	040	043	060	080	3
4	986	070	087	057	051	051	050	036	020	030	042	042	041	041	060	079	4
5	991	072	090	059	052	052	050	038	021	032	045	043	043	042	061	080	5
6	998	080	090	062	057	058	051	039	022	033	050	048	047	046	066	081	6
7	001	090	090	068	060	060	052	040	025	040	053	049	053	051	070	089	7
8	007	092	091	070	060	063	058	042	029	049	058	056	060	058	079	096	8
9	008	100	092	072	062	065	058	045	030	050	060	061	066	060	078	099	9
10	011	100	090	070	065	066	057	042	030	050	067	061	068	060	078	099	10
11	012	098	086	068	064	061	052	039	030	049	066	059	065	060	077	097	11
Noon	011	094	081	060	061	060	047	036	027	043	060	050	060	055	074	091	Noon
13h	010	090	079	050	059	051	041	031	021	040	050	038	050	049	067	086	13h
14	010	087	071	045	053	047	039	030	019	036	046	030	041	043	060	076	14
15	009	081	069	041	048	043	036	029	016	035	040	029	040	040	059	073	15
16	010	082	063	040	049	043	036	024	020	035	040	035	040	039	060	073	16
17	020	087	061	040	050	045	039	026	022	039	040	040	043	041	061	075	17
18	026	090	064	042	055	049	041	030	027	044	043	044	050	050	068	080	18
19	039	091	071	050	058	059	050	033	031	051	051	052	057	059	075	089	19
20	043	098	076	060	061	061	053	039	039	056	060	059	062	063	081	096	20
21	055	100	080	063	067	070	058	041	041	061	061	066	069	070	090	100	21
22	060	101	081	067	069	070	060	040	045	067	065	064	070	070	096	100	22
23	066	100	080	065	068	069	057	039	041	061	060	060	065	071	097	100	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
	The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.																
Midnight	100	092	085	073	075	068	057	069	087	070	078	070	072	090	082	1010·0	Midnight
1h	099	087	079	071	072	063	050	062	080	069	073	061	070	085	080	1009·6	1h
2	092	081	072	067	070	060	041	060	077	061	069	060	065	080	073	1009·1	2
3	089	073	066	061	062	058	041	060	074	060	062	056	061	076	069	1008·8	3
4	086	071	061	060	061	052	040	060	073	060	060	056	060	073	069	1008·7	4
5	085	071	061	061	063	051	040	065	076	060	060	059	063	071	070	1008·8	5
6	089	071	067	067	069	056	041	070	079	064	062	060	069	078	070	1009·2	6
7	090	077	070	069	071	059	048	076	079	070	069	068	076	081	076	1006·4	7
8	098	080	072	072	077	060	051	080	080	072	073	072	079	084	080	1006·8	8
9	102	082	072	074	080	060	053	080	081	079	078	077	080	089	081	1007·0	9
10	100	081	070	077	080	060	058	080	080	081	076	077	085	086	081	1007·1	10
11	099	079	065	075	080	056	054	080	078	081	072	072	082	085	081	1006·8	11
Noon	091	071	060	069	072	049	049	076	070	077	069	064	077	080	078	1006·3	Noon
13h	087	065	056	060	065	040	040	070	061	070	060	056	071	077	070	1005·7	13h
14	080	058	051	056	060	038	037	066	056	062	051	050	069	069	062	1005·2	14
15	072	056	049	052	060	038	036	062	051	060	048	048	065	065	059	1004·9	15
16	071	055	049	053	060	039	039	064	055	061	042	049	063	064	059	1004·9	16
17	078	060	052	060	061	040	040	069	055	061	048	051	070	068	050	1005·2	17
18	080	066	059	065	065	044	047	071	058	062	053	059	074	071	061	1005·6	18
19	086	072	065	070	070	050	053	080	061	069	060	067	080	079	069	1006·3	19
20	090	080	070	078	074	057	060	085	069	071	066	070	082	082	073	1006·8	20
21	098	085	076	073	076	060	068	090	071	078	073	076	090	086	080	1007·4	21
22	099	090	078	074	075	060	070	090	073	079	074	078	090	089	081	1007·5	22
23	097	090	076	069	071	060	070	090	072	079	072	078	090	089	081	1007·4	23

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

MARCH 1934.

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

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

MARCH 1934.

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	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	53	50	30	42	45	50	52	45	56	11	14	12	0	7	32	30	15	33	45	37	30	40	37	40	35	0	35	17	0	20	21	15·6
8	60	60	40	53	60	60	60	60	60	58	56	44	23	60	60	50	40	43	60	60	57	60	48	60	60	0	56	60	35	40	60	26·7
9	60	60	43	54	60	60	60	60	60	60	60	60	18	60	60	60	30	60	60	60	46	60	60	60	55	7	60	60	60	45	60	28·0
10	60	60	55	60	60	60	60	60	60	56	60	55	51	60	60	60	37	60	60	60	5	58	55	60	36	29	60	60	10	46	60	27·2
11	60	60	57	60	60	60	60	60	55	59	60	60	32	60	60	60	47	60	60	60	17	60	50	60	37	48	60	60	23	55	60	28·0
Noon	27	60	60	60	60	60	50	60	60	60	56	50	31	60	60	60	60	60	60	60	50	60	58	58	44	46	60	60	9	0	60	27·0
13h	58	60	60	60	60	53	60	58	60	60	53	60	22	60	60	60	60	60	51	60	60	60	46	60	57	30	45	60	45	21	60	28·0
14	60	60	45	60	60	47	60	60	60	60	25	53	45	60	60	60	60	53	54	60	60	50	58	60	57	52	60	60	55	35	60	28·5
15	60	60	53	60	60	24	60	43	55	55	60	39	52	60	60	60	60	55	60	60	60	42	60	60	47	33	60	60	6	55	60	27·3
16	55	60	60	60	60	30	60	55	60	50	55	24	11	60	55	60	60	50	58	60	60	45	60	60	0	9	60	60	25	50	55	25·4
17	50	45	60	60	60	47	58	60	60	44	55	6	23	55	17	60	60	55	60	60	60	59	40	60	0	4	40	60	20	58	45	24·0
18	20	35	5	50	48	29	35	41	46	45	38	0	0	10	33	30	43	30	31	30	35	35	0	36	0	3	24	36	0	29	30	13·5
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 299·5 hrs. and the total possible sunshine was 377·4 hrs.

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

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

MARCH 1934.

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	25·3	2·3	24·2	1·0	24·9	0·8	24·1	0·8	24·2	1·3	23·2	1·8	22·8	2·1	22·5	0·8	Midnight
1h	24·9	1·8	24·0	1·2	24·8	0·7	24·1	1·0	24·1	1·2	23·0	1·7	23·0	2·1	22·7	1·0	1h
2	24·7	1·6	23·3	0·6	24·7	0·6	24·0	1·2	24·1	1·4	22·9	1·8	22·3	1·1	23·0	1·1	2
3	24·8	1·6	23·6	0·7	24·5	0·7	23·9	1·3	23·9	1·2	22·5	1·6	22·1	0·9	22·6	1·0	3
4	24·3	0·9	23·2	0·7	24·1	0·8	23·5	1·5	24·1	1·6	22·1	1·3	21·9	1·2	23·2	1·0	4
5	24·1	0·9	23·1	0·9	24·0	0·8	23·5	1·5	24·1	1·8	22·0	1·4	21·2	1·2	22·5	1·1	5
6	24·1	1·0	23·0	0·9	23·8	0·8	23·1	1·4	23·9	2·0	21·8	1·1	20·4	1·3	22·3	1·0	6
7	24·9	1·2	24·3	1·1	24·3	0·7	23·5	1·6	24·1	2·1	23·0	1·9	21·0	0·9	23·3	1·7	7
8	26·4	2·0	27·2	2·1	25·9	1·6	25·3	3·1	25·9	3·3	25·7	3·5	25·1	2·9	25·6	2·7	8
9	27·1	2·8	28·2	3·4	25·1	0·9	26.2	3·8	26·9	4·2	27·0	4·5	26·1	3·8	27·0	4·0	9
10	28·8	4·0	29·3	4·2	26·8	2·1	27·0	4·4	27·6	4·8	27·8	5·1	27·8	5·0	28·0	4·9	10
11	29·2	4·5	30·2	5·0	27·7	3·7	28·1	5·7	28·0	5·3	28·5	5·8	28·3	5·9	28·8	5·6	11
Noon	28·8	4·1	30·7	5·6	28·7	4·6	28·2	5·4	28·2	5·3	29·2	6·5	28·9	5·9	29·0	5·5	Noon
13h	29·2	4·5	30·2	5·3	28·9	4·9	28·7	5·6	28·8	6·7	29·0	6·4	28·3	4·8	28·9	5·3	13h
14	29·6	4·5	30·5	5·5	28·5	4·5	28·9	5·8	28·8	6·4	28·4	5·9	28·5	5·2	29·3	5·7	14
15	29·5	4·3	30·3	5·2	28·9	5·0	28·7	5·2	28·2	6·0	27·9	5·3	28·3	5·2	28·0	4·8	15
16	29·1	3·7	29·5	4·6	28·2	4·2	28·0	4·8	28·0	5·8	27·2	4·8	27·9	5·0	27·8	4·7	16
17	28·7	3·6	28·1	3·4	27·3	3·5	27·2	4·1	27·4	5·5	26·7	5·0	27·2	4·2	27·8	5·8	17
18	28·1	3·2	27·1	2·9	25·1	1·3	25·8	2·8	26·2	4·3	25·9	3·9	26·5	3·3	26·1	4·3	18
19	27·2	2·8	26·1	2·0	23·8	0·9	24·6	1·6	25·0	3·0	25·0	3·0	25·1	2·3	24·7	3·4	19
20	26·9	2·2	25·9	1·7	24·1	1·0	24·1	1·1	24·1	2·2	24·8	2·7	24·1	1·8	23·9	2·7	20
21	26·7	1·9	25·3	0·9	24·1	1·1	24·0	1·1	24.0	2·2	22·8	1·6	23·4	1·4	24·0	2·7	21
22	26·0	1·8	25·2	0·9	23·8	1·1	24·0	1·0	23·5	1·9	22·2	1·3	22·4	1·1	23·9	2·4	22
23	25·0	1·1	25·1	0·8	24·1	0·9	24·0	1·0	23·5	1·7	22·1	2·1	22·1	0·9	24·3	2·3	23

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

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

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

MARCH 1934.

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

Hour \ Day	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d Air.	29d Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day / Hour.
Midnight	23·5	1·5	24·0	0·5	23·8	1·5	22·6	0·8	21·9	2·2	22·3	1·3	22·8	1·5	23·4	1·4	Midnight
1h	23·6	1·4	25·0	0·9	23·3	1·2	22·5	1·2	21·1	1·2	22·3	1·3	22·4	1·3	23·3	1·3	1
2	23·2	1·0	25·0	0·9	23·1	1·1	22·2	1·0	21·4	1·3	22·3	1·2	22·2	1·2	23·1	1·2	2
3	23·2	0·9	25·0	1·0	23·1	1·1	22·1	0·9	22·1	1·4	22·6	1·4	23·1	1·4	23·0	1·1	3
4	23·4	0·9	24·5	0·6	23·0	1·0	21·8	0·3	21·7	1·2	22·7	1·5	22·8	1·0	22·8	1·1	4
5	23·2	0·7	24·8	0·9	23·0	1·1	21·6	0·2	21·8	1·5	23·2	1·3	22·7	1·6	22·8	1·2	5
6	23·1	0·9	24·6	1·2	23·0	1·2	22·4	1·2	22·0	1·2	23·3	1·6	22·0	1·4	22·7	1·2	6
7	23·9	1·1	25·0	1·6	23·9	1·7	24·0	2·2	22·6	1·1	23·1	1·2	22·0	1·4	23·5	1·4	7
8	26·0	2·0	25·2	1·2	25·9	2·9	25·8	3·4	24·1	2·1	24·0	2·0	25·1	3·7	25·6	2·6	8
9	26·9	3·0	26·1	2·1	26·2	3·2	26·5	3·8	26·7	4·0	25·6	3·0	26·7	4·9	26·6	3·5	9
10	27·6	3·5	26·7	2·7	27·3	4·1	27·0	4·4	26·3	4·3	26·1	2·9	27·2	5·9	27·4	4·2	10
11	27·6	3·4	27·0	2·8	28·0	4·4	27·5	4·7	25·8	2·8	27·0	3·8	28·0	6·7	28·0	4·7	11
Noon	28·3	3·4	26·6	2·6	28·3	5·2	28·0	5·2	27·1	4·5	25·7	3·0	27·8	6·1	28·5	5·1	Noon
13h	28·1	3·3	26·9	2·1	27·5	3·8	38·1	5·9	27·4	4·4	26·5	3·9	27·6	5·7	28·4	5·1	13h
14	29·0	4·3	27·2	2·9	28·1	4·2	28·1	5·9	27·9	5·3	27·7	5·4	27·9	5·7	28·4	5·1	14
15	28·0	3·0	27·3	3·7	27·9	4·5	28·1	6·0	26·9	4·3	27·2	4·2	28·0	5·8	28·2	4·9	15
16	24·1	0·0	26·6	3·7	27·3	5·1	27·2	5·2	26·9	4·7	26·5	3·5	27·2	4·4	27·6	4·5	16
17	24·9	0·7	26·0	3·2	26·1	3·4	26·4	4·9	26·0	4·0	26·1	3·5	26·4	4·3	26·9	4·0	17
18	24·8	0·7	25·2	2·3	25·1	2·9	25·0	3·9	25·1	3·8	25·3	3·2	25·3	3·3	25·8	3·2	18
19	25·1	1·0	24·9	2·0	24·0	1·9	23·9	2·8	24·1	3·0	24·7	2·6	24·4	2·7	24·8	2·4	19
20	25·0	0·8	24·6	2·3	23·6	1·6	23·2	2·2	24·0	2·7	23·9	2·0	23·6	2·4	24·3	2·0	20
21	25·2	1·0	24·5	2·1	23·1	1·1	23·2	2·2	23·6	2·1	23·9	2·0	23·3	2·6	24·0	1·8	21
22	24·1	0·3	24·2	1·7	23·0	0·9	22·9	1·8	23·5	1·9	24·2	2·7	22·1	1·9	23·7	1·6	22
23	25·0	0·8	24·0	1·2	23·0	1·0	23·0	2·5	23·0	1·9	24·0	2·5	22·0	1·5	23·5	1·5	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during MARCH 1934.

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

The Velocities are given in Metres per second, using the factor 2 2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

MARCH 1934.

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	1·5	32	0·7	10	2·4	10	2·5	08	2·2	11	3·0	11	2·2	09	1·5	15	1·8	08	2·1	09	3·1	09	4·5	09	5·5	09	4·9	09	3·2	10	3·4
1h	18	2·0	32	1·1	10	2·3	11	3·1	08	2·9	11	3·3	11	3·3	09	1·4	15	0·7	08	2·4	09	4·1	08	4·8	10	4·4	09	5·4	08	3·8	08	4·4
2	20	1·9	06	0·9	10	2·2	10	2·9	08	2·5	10	2·7	12	3·2	12	2·1	15	0·7	08	1·2	09	2·8	08	4·8	09	5·1	09	4·7	08	4·1	09	4·4
3	21	2·4	06	1·1	09	3·2	10	3·0	08	3·2	10	2·6	12	2·3	12	1·7	15	0·8	08	2·0	10	2·1	09	4·8	09	5·0	09	4·2	08	4·2	08	4·2
4	23	2·2	06	0·9	09	2·4	10	2·9	08	3·7	10	2·6	12	2·2	12	1·9	15	0·7	08	2·2	09	3·1	09	4·0	09	4·4	10	3·6	09	4·1	09	4·1
5	22	2·8	06	1·2	09	2·1	10	2·6	08	3·8	10	2·0	12	1·5	12	2·3	15	1·5	08	2·1	10	2·6	08	4·5	09	4·8	10	3·6	09	3·2	08	5·2
6	21	1·8	06	1·0	09	2·1	10	2·0	08	4·0	10	2·3	12	1·0	10	2·3	15	1·2	08	2·6	10	1·8	09	5·6	09	4·3	10	3·1	09	3·4	08	5·1
7	21	2·5	06	0·8	09	2·1	10	2·1	08	3·6	10	1·8	12	1·0	10	1·8	15	0·6	08	2·0	09	3·6	09	5·5	09	4·1	11	2·5	09	2·7	08	3·9
8	21	4·3	06	1·5	10	3·8	10	2·9	09	5·4	09	3·0	10	2·7	11	3·1	12	2·8	08	2·8	10	4·6	09	6·3	08	3·5	10	4·0	08	4·5	08	4·4
9	21	6·2	06	1·2	08	4·0	08	4·5	08	5·6	08	4·0	10	4·7	11	4·6	11	3·2	06	3·6	09	6·1	08	7·7	08	4·8	08	5·3	08	5·5	06	4·7
10	23	5·1	06	1·8	08	5·1	08	4·9	08	5·8	08	3·7	09	4·4	10	5·4	11	4·6	08	4·1	08	6·6	09	8·0	07	5·4	09	3·8	08	5·8	06	5·6
11	23	5·0	06	2·3	10	5·6	09	5·4	08	5·7	06	4·1	09	4·0	09	5·3	08	3·3	07	4·1	08	6·7	09	7·1	07	5·4	07	4·4	09	5·7	06	5·6
Noon	22	5·5	07	3·1	10	6·2	12	5·3	10	5·6	09	4·2	12	4·3	11	4·9	12	3·8	08	4·5	09	7·1	09	7·4	08	5·6	06	3·4	09	5·5	08	2·8
13h	22	5·0	07	3·3	11	4·9	12	5·5	08	5·2	07	4·3	10	5·2	12	4·9	08	4·0	08	5·2	09	6·4	09	9·7	08	5·6	07	5·5	08	5·2	09	6·9
14	22	4·0	05	3·2	10	4·7	11	4·8	09	4·8	06	4·1	10	5·4	09	5·8	08	3·6	09	4·7	09	6·7	09	8·3	07	6·1	08	7·8	08	5·1	08	6·1
15	25	3·8	06	3·7	10	5·2	10	6·6	10	4·7	07	4·1	10	5·2	10	4·7	06	3·9	08	4·4	10	6·4	09	8·8	08	6·2	06	5·1	08	5·7	08	4·3
16	26	3·6	07	3·4	12	5·5	12	5·1	11	4·8	07	4·1	10	5·5	09	5·5	06	4·3	09	4·4	10	7·0	09	7·3	08	6·1	08	5·3	10	5·5	08	5·9
17	30	4·4	08	3·6	11	5·5	12	5·1	07	4·4	10	3·9	12	4·7	12	5·5	07	3·3	09	4·6	10	6·0	09	5·4	08	5·6	08	5·3	09	5·3	08	4·7
18	31	2·9	08	4·0	09	4·1	12	4·6	09	4·7	09	3·5	10	3·5	12	5·1	06	3·1	08	4·9	10	6·6	09	5·1	06	3·7	09	5·1	09	5·1	09	5·8
19	31	2·4	09	3·0	08	3·9	11	2·9	09	3·6	10	1·5	11	2·5	12	3·1	07	2·4	09	3·1	10	4·9	09	4·7	09	3·9	09	3·9	09	3·9	09	3·6
20	32	1·6	10	2·4	10	3·6	11	2·1	10	3·0	10	1·9	11	1·3	12	2·1	07	1·4	09	3·2	09	5·0	09	4·8	09	3·5	09	3·2	09	2·9	09	3·4
21	32	1·4	10	2·0	11	3·8	11	1·8	11	3·3	09	4·7	11	2·0	12	2·4	07	1·9	09	3·2	10	4·1	10	4·5	09	3·3	09	4·1	08	5·0	09	3·5
22	32	1·5	10	3·1	10	3·3	10	1·7	11	3·1	11	2·2	11	1·8	12	2·2	07	2·2	09	3·5	10	4·3	08	5·2	10	3·6	09	3·0	08	2·9	09	3·9
23	32	1·0	10	2·8	09	2·9	10	1·7	11	3·1	12	2·4	11	1·5	12	2·6	08	1·9	09	4·1	10	4·6	09	4·7	09	3·5	09	3·8	09	2·4	11	4·0

Hour.	17d.		18d.		19d.		20d.		21d		22d.		23d.		24d.		25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	11	3·8	11	2·2	11	2·0	11	2·0	11	1·3	11	1·1	12	2·1	09	1·8	11	2·4	09	5·5	08	3·7	09	2·5	12	4·3	10	2·3	10	2·3	2·7
1h	10	3·1	11	2·6	11	1·7	11	1·7	11	1·2	11	0·8	12	2·3	09	2·7	11	2·1	08	5·7	09	2·0	09	2·5	12	2·0	10	2·0	10	2·1	2·7
2	10	3·6	11	2·1	11	2·8	11	2·4	11	1·7	11	0·8	11	2·8	09	2·0	11	2·0	08	5·7	09	1·8	09	2·0	11	2·5	10	1·8	10	2·1	2·7
3	10	3·5	11	2·1	11	2·0	11	2·3	11	1·7	11	1·1	11	2·2	09	2·0	11	1·9	08	5·5	09	2·2	09	2·4	11	2·8	10	2·5	10	3·7	2·7
4	10	2·7	11	2·0	11	2·6	11	3·9	11	1·4	11	1·3	11	3·2	09	2·0	11	2·1	08	6·1	10	3·0	11	2·5	10	2·7	10	2·4	11	3·7	2·8
5	09	3·4	11	1·5	11	2·2	11	2·4	11	1·8	11	1·9	11	2·7	09	1·8	11	2·1	08	4·1	10	3·4	10	3·7	10	2·3	08	3·7	09	3·0	2·8
6	09	2·6	11	2·2	11	1·1	11	2·1	11	2·0	11	1·4	11	2·0	09	2·3	11	2·1	08	5·4	09	2·3	10	3·5	10	2·1	09	4·4	09	2·3	2·6
7	09	3·1	11	2·2	11	2·0	11	1·7	11	1·8	11	1·9	11	3·3	10	2·6	11	2·2	08	5·1	09	2·5	10	2·0	10	2·9	09	3·9	09	1·9	2·6
8	08	4·4	11	3·2	10	3·0	11	3·1	10	2·9	11	3·7	10	3·9	11	2·4	10	3·2	08	5·6	09	3·9	11	3·0	10	3·4	10	4·7	09	4·4	3·7
9	09	4·3	09	4·8	09	3·5	09	3·9	09	4·3	11	5·9	09	4·3	09	4·1	09	5·1	07	6·3	08	5·7	10	4·3	08	5·5	06	5·7	08	5·3	4·8
10	08	5·6	10	4·4	09	4·1	08	4·4	08	4·9	10	2·4	08	3·1	09	4·1	10	4·8	07	5·4	09	5·6	09	5·0	08	5·2	06	7·7	08	5·5	4·9
11	09	7·0	10	4·8	12	4·9	10	4·0	08	3·6	12	4·9	09	7·2	10	4·4	10	5·2	06	6·3	09	5·6	08	5·2	09	5·3	09	6·9	07	6·0	5·2
Noon	09	5·2	10	5·4	09	4·4	07	2·8	10	5·0	10	5·4	08	5·3	09	5·2	10	5·7	07	6·4	08	5·3	08	5·5	08	5·8	08	6·5	08	5·9	5·1
13h	08	5·8	09	4·5	10	6·1	08	4·4	07	4·1	10	5·0	08	5·4	09	5·3	10	6·1	06	6·5	08	5·3	09	5·9	11	5·5	09	6·8	08	5·6	5·5
14	08	6·2	09	4·3	11	2·6	08	4·4	10	4·4	11	5·1	08	5·1	10	5·0	09	6·6	09	6·6	08	5·2	09	5·1	11	5·6	08	6·5	06	4·9	5·3
15	09	6·2	11	5·6	11	5·4	11	4·4	10	5·0	11	3·9	08	5·0	10	5·6	10	6·4	09	6·2	08	5·0	12	5·3	08	5·3	09	6·2	06	5·0	5·3
16	08	5·7	10	4·5	10	5·4	10	4·4	12	4·2	11	5·2	09	4·8	11	5·5	08	5·0	08	6·4	07	5·0	08	4·7	09	5·5	09	6·1	08	4·4	5·2
17	09	5·7	10	4·6	11	4·2	11	4·4	11	4·1	11	4·2	08	5·0	12	5·2	10	5·0	09	5·0	09	5·2	11	4·4	09	4·9	08	5·6	07	4·4	4·8
18	09	4·8	10	3·6	10	3·6	09	4·4	12	3·1	11	3·9	08	4·0	10	4·8	10	4·8	08	4·8	10	3·6	10	3·4	08	4·1	09	4·6	08	3·1	4·3
19	10	2·1	11	2·1	11	3·3	10	3·3	12	2·0	11	2·5	09	3·0	11	2·9	09	5·8	08	4·4	10	3·2	11	2·5	08	3·5	09	4·1	08	2·8	3·2
20	10	1·9	11	1·8	11	2·2	11	2·3	12	2·5	11	2·8	09	2·3	11	3·8	09	5·1	08	5·4	10	3·2	11	2·3	09	3·6	10	2·7	08	2·3	2·9
21	11	2·4	11	2·0	11	1·8	11	1·9	11	2·5	12	2·0	09	2·5	11	1·7	08	6·1	08	4·5	10	3·1	11	2·4	09	2·3	10	2·9	08	1·9	3·0
22	11	2·7	11	1·4	11	2·9	11	1·6	11	1·8	11	1·6	09	2·5	10	2·8	09	5·7	09	4·2	11	2·9	10	3·7	10	2·5	10	2·4	08	1·4	2·8
23	11	2·1	11	1·3	11	1·5	11	1·8	11	1·3	11	1·8	09	3·5	10	2·5	08	5·7	08	4·1	09	2·5	10	4·8	10	2·6	10	2·6	08	1·6	2·8

TABLE XIII.—WIND, NUMBER OF OBSERVATIONS, MARCH, 1934.

Hour	Force (0–12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	1	30	...	...	...	1	12	6	10	...	1	...	1	...	...	...	...	...
9	...	10	21	...	...	...	4	21	2	3	...	...	...	1	...	.	...	...	...
15	...	11	20	...	...	...	4	12	9	5	...	...	...	...	...	1	...	...	...
21	...	1	30	1	...		...	12	5	13	...	...	...	...	...	...	...	...	...
Totals	...			1	...	...	9	57	22	28	...	1	.	1	...	1	...	...	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MARCH 1934.

Hour \ Day	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1h	...	0·1	...	...	0·1	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	...	...
2	...	0·1	0·9	...	...	...	0·1	0·1	...	...	...	0·4	0·1	...	0·1	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	...
3	...	...	...	...	...	...	...	0·1	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	0·2	0·1	...	...
4	...	...	0·8	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	0·1	...	...	0·8	...	...	...	...	0·1
5	...	0·1	..	0·1	0·1	...	...	0·1	...	...	...	0·1	0·1	...	...	...	..	...	..	0·1	...	...	0·1	...	0·1	0·7	...	...	...	...	0·1
6	...	0·1	...	...	...	...	...	.	...	...	...	...	1·7	...	...	...	0·1	...	...	...	..	...	...	...	0·1	0·8	...	...	0·1	...	...
7	...	...	.	...	...	..	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	..	...	...	...	...	0·8	...	0·2	...	1·7	0·1
8	...	...	...	...	...	...	...	...	...	...	0·5	...	1·0	...	..	0·1	...	...	...	...	...	...	...	...	0·2	0·8	..	...	0·1	...	...
9	...	...	...	0·1	...	...	...	0·1	...	...	...	...	...	...	0·1	0·2	0·1	...	...	0·3	...	...	0·1	...	0·1	0·9	...	...	..	...	...
10	...	...	...	...	...	...	...	...	...	...	...	1·3	..	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...	0·9	...	...
Noon	...	...	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	..	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	..	...	...	...	...	...	0·3	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	4·7	...	...	...	...	...	...
17	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	1·9	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	.	...	0·3	...	...	...	...	...	0·1	...	...	0·	...	...	..	...		...	...	..	...	...	...	...	0·7	...	...	...	...	...	...
20	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	...
21	...	...	0·2	...	.	...	...	...	...	...	..	...	...	...	0·4	..	..	...	...	...	...	...	...	...	0·7	...	...	...	...	...	...
22	...	...	1·7	...	...	1·0	...	..	0·1		0·1	...	...	..	0·2	0·1	...	...	...	...	...	...	...	...	0·8	...	0·5	...	...	...	...
23	...	...	0·4	...	...	...		...	1·7	0·3	...	0·1	...	...	2·4	0·1	...	...	...	...	..	...	...	...	0·5	...	...	...	..	...	...
24	...	...	0·5	...	...	..	...	...	...	0·2	...	...	.	...	2·0	0·1	...	...	...	0·1	...	...	...	...	0·5	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 MARCH 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	0·92	23·4	190·5	6
*	St. Antoine	50	1·54	39·1	197·6	11
*	Belmont	50	1·11	28·2	186·7	10
*	Poudre d'Or	20	1·39	35·3	195·3	10
	Mon Loisir S. E.	300	...	...	212·8	...
	Forbach	...	..	...	160·3	...
*	Couroupa	...	1·57	40·0	195·6	10
*	Labourdonnais	290	1·26	32·0	242·8	8
	Beau Séjour	300	2·13	54·1	290·3	15
	Mont Piton	650	2·66	67·6	265·9	21
	Mon Choix	700	1·99	50·5	244·9	11
	Antoinette	640	3·15	80·0	274·3	22
	Mon Songe	620	3·65	92·7	321·6	18
	Botanical Gardens ...	325	3·63	92·2	250·9	22
*	The Observatory	179	1·87	47·6	218·2	24
	Solitude	175	1·42	36·1	174·5	7
	St. André	90	1·23	31·2	199·4	5
	La Nicolière	...	4·65	118·1	...	20
2 & 3	Union Régnard S.E. ...	600	3·93	99·8	304·0	18
	Constance d'Arifat L.G. ...	100	1·82	46·2	283·7	16
	Rich Fund	600	4·03	102·4	339·3	19
	La Joffrette	...	3·54	89·9	...	10
	Belle Vue (Allendy) ...	...	3·18	80·8	276·6	20
4	Sans Souci	900	...	...	487·2	...
	Beau Champ (G.R.S.E.) ...	20	...	...	234·7	...
	Olivia	400	...	...	325·4	...
	Trois Ilots	...	...	...	...	...
	Belle Rive	400	...	...	...	...
	Sébastopol	700	3·70	94·0	...	15
	Bonne Veine	400	7·04	178·8	461·5	23
5	Rose Belle	850	...	...	...	...
	New Grove	650	...	...	...	...
	Mon Trésor	...	4·00	101·6	...	16
	Mon Désert (Carié) ...	75	2·50	63·5	220·0	15
	Ferney	20	2·56	65·0	363·7	19
	Sauve Terre	...	2·16	54·9	...	10
6	Tivoli	1,300	7·64	194·1	485·6	26
	La Flora	1,050	6·74	171·4	435·9	23
	Riche Bois (Brit.) ...	650	5·16	131·1	...	19
	Britannia (Estate) ...	700	4·98	126·5	409·2	23
6	Savannah (Mill) ...	200	3·36	85·3	317·4	13
	St. Aubin	300	3·30	83·8	289·0	19
	St. Avold	900	8·33	211·6	441·4	23
	Colmar	400	5·80	147·3	375·4	19
	Union S. E.	...	4·25	107·9	239·5	12
	Fontenelle	320	4·54	115·3	242·8	15
	Choisy	200	3·70	94·0	...	6
	Beau Bois	...	5·60	142·2	...	18
*	Sophie	...	7·86	199·6	..	21
7,8,9&10	Bel Ombre	40	4·00	101·6	245·1	14
	Beau Champ (B. du Cap)	70	3·94	100·1	...	11
	Frédérica	...	4·45	113·0	...	15
	Pierre Fonds	...	1·02	25·9	...	14
	Ste. Marie	...	4·40	111·8	...	10
	Hussonia Limited .	...	...	..	...	...
11	Curepipe Gardens ...	1,840	7·36	186·9	457·7	31
	Mare aux Vacoas (G.E.)	1,850	8·01	203·4	463·3	24
	Mare aux Vacoas (Arn.)	1,830	8·97	227·8	528·1	24
	La Marie Filter Bed ...	1,700	7·44	189·0	417·6	18
	Réunion	1,420	5·21	132·3	356·6	20
*	Aerological Station ...	1,393	4·03	102·3	279·9	24
	Phœnix	...	...	...	...	...
	Quatre Bornes... ...	...	...	...	...	...
12	Quatre Bornes (Board) ...	1,090	1·82	46·2	...	6
*	Le Réduit (D. of A.) ...	1,000	2·33	59·1	254·8	30
	Alma	1,460	6·01	152·7	482·6	21
	Bagatelle	1,250	5·25	133·3	356·6	16
	Highlands	1,300	4·10	104·1	373·6	16
	Trianon	950	...	...	288·8	...
	Val Ory	1,100	2·35	59·7	289·3	18
	Bassin	...	1·03	26·2	...	10
	Hermitage	1,450	6·30	160·0	...	15
	Ebene	...	2·10	53·3	...	12
	Bega	...	1·95	49·5	...	12
	Mon Rêve	...	3·16	80·3	...	11
	Mont Pevril	...	2·51	63·8	...	12
	Minissy	1,150	3·18	80·8	310·9	11
	Plaisance	...	1·62	41·1	...	6
	La Ferme	350	0·72	18·3	...	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 MARCH 1934.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
2	11½	07	3·8*	35	6·8*	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	11½	...	...	105	13·2	...	...	...	...	210	..	...	...	13	103	17·1*	126	11·9*	...	...	...	..	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
5	...	...	...	...	...	..	...	...	...	...	...	...	...	13½	...	...	..	...	...	...	...	...	131	6·5*	1·21	1·5*
6	10	105	13·3	150	6·5	...	..	...	...	...	...	...	...	13¾	231	6·4*	166	4·9*	...	...	...	...	...	...	...	...
7	...	...	..	...	...	...	...	...	...	...	...	...	...	15¾	120	10·6	105	9·5	...	...	...	...	...	...	...	...
8	11	90	11·8	150	6·4	...	...	...	...	...	...	...	...	13¾	156	15·4*	141	5·7*	...	...	...	..	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	111	7·7*	103	12·2*	...	...	...	...	...	...	...	...
10	10¼	105	15·8	75	8·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	..	...	...	...	...	...	...	...	...	...	...	...	18⅓	97	14·0*	...	...	...	...	..	...	...	...	272	2·2*
12	10	105	37·2	90	15·3	...	...	...	...	...	...	...	...	18¼	92	19·7*	...	...	...	...	...	...	...	...	...	...
13	...	..	...	..	...	...	...	...	...	...	...	...	...	12	90	38·7	90	12.7	60	...	...	...	...	...	...	...
14	9¼	90	34·3	90	22·3	240	...	...	...	...	...	...	...	14½	96	12·3*	96	14·0*	...	...	...	...	...	...	...	...
15	11¾	...	...	90	12·7	...	...	...	...	...	...	210	...	13¾	106	13·0*	89	8·7*	...	...	...	...	...	...	...	...
16	10½	105	11·9	105	5·7	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	103	12·1*	66	8·0*	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	.	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	9½	96	8·9*	86	9·7*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	..	...	18¼	...	...	...	..	...	...	...	...	...	..	1·17	9·9*
22	22	105	21·5	120	12·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	11	96	13·4*	81	9·6*	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	10	120	11·3	105	11·1	...	...	...	...	...	...	255	...	13¾	111	13·5*	96	9·0*	...	...	...	...	—	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	18	117	8·9*	...	...	...	.	...	...	..	...	...	...
26	...	...	...	...	..	...	...	...	...	...	...	...	...	18	97	13·8	...	...	...	...	...	...	...	...	1·77	2·3*
27	14¼	105	24·5	...	...	...	...	...	...	...	...	255	1·6	18	...	...	...	...	...	...	...	..	..	...	2·92	2·2*
28	9¾	90	12·1	105	16·1	...	...	...	...	..	...	270	..	...	...	...	...	...	..	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...	..	...	..	...	...	...
30	10	106	39·7*	116	6·7*	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	81	9·7*	86	10·9	...	...	...	...	...	..	...	...

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

* Observatory Pamplemousses.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

APRIL, 1934

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

DIRECTOR

Published by Authority of His Excellency the Governor

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1935

Magnetic Work was suspended
on September 5th, 1933, owing
to Extensive Repairs to
Magnetic Basement.

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of APRIL 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
APRIL	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	966·8	24·3	4·9	15·9	63	17·9	80	4·0	1	18·7	22·6	24·4	19·3	26·3	17·4	8·9	0·0	10·7	90
2	966·7	24·9	3·8	18·4	67	21·0	100	3·1	4	19·0	23·0	24·3	20·6	26·5	18·2	8·3	0·0	10·4	88
3	969·0	24·5	2·8	19·7	75	22·7	110	3·6	5	19·9	23·2	23·7	19·8	25·3	19·1	6·2	1·7	8·8	75
4	969·2	23·0	1·8	19·9	83	23·0	100	4·9	6	19·2	21·4	24·2	20·2	25·2	17·8	7·4	1·6	9·0	89
5	970·4	25·0	4·0	18·2	66	20·7	90	5·4	4	19·2	23·1	24·6	20·3	25·7	18·3	7·4	1·4	10·1	86
6	970·9	24·1	4·5	16·4	62	18·5	110	6·7	6	19·5	23·0	22·9	19·5	25·1	17·3	7·8	1·0	9·2	78
7	968·5	22·5	2·1	18·8	79	21·5	110	5·4	6	18·7	21·0	22·2	19·3	24·0	17·8	6·2	21·2	9·0	76
8	967·6	23·8	2·8	18·9	74	21·6	105	8·1	4	19·0	22·5	23·3	19·8	24·8	18·3	6·5	2·0	10·2	87
9	968·7	23·3	2·0	19·8	81	22·9	100	7·2	8	19·3	21·6	23·9	20·4	25·1	18·2	6·9	0·2	9·1	78
10	967·8	23·8	2·9	18·8	74	21·5	85	6·7	3	19·2	21·7	23·7	19·5	25·1	18·3	6·8	2·5	8·9	76
11	965·5	24·0	2·9	19·0	74	21·8	90	8·5	3	19·5	21·5	23·5	20·2	25·0	18·8	6·2	4·1	9·7	83
12	967·7	21·9	1·4	19·4	86	22·3	90	5·4	9	19·0	21·0	22·2	19·5	24·6	18·4	6·2	0·8	4·4	38
13	967·3	24·5	2·4	20·4	78	23·7	90	5·8	6	19·0	21·5	23·5	20·5	25·1	18·3	6·8	3·7	8·1	70
14	967·6	23·1	1·8	20·0	83	23·2	75	2·7	10	19·9	21·0	23·0	20·0	24·2	19·2	5·0	0·8	5·5	47
15	967·3	23·9	2·4	19·7	77	22·7	90	1·3	9	18·9	21·5	24·1	20·6	26·0	18·2	7·8	1·8	5·0	43
16	968·3	21·9	1·4	19·4	86	22·3	80	4·0	10	20·5	21·6	22·3	20·5	24·2	19·1	5·1	0·1	3·2	28
17	968·9	23·9	2·7	19·2	75	22·0	70	5·8	7	19·7	21·0	23·3	21·0	25·1	18·7	6·4	1·6	4·9	42
18	968·5	25·0	3·5	19·2	70	22·0	55	1·3	8	20·2	22·2	24·8	19·9	26·1	19·0	7·1	0·0	6·5	56
19	967·9	24·0	2·9	19·0	74	21·8	Calm		8	18·5	22·5	23·6	20·3	25·1	17·5	7·6	0·0	3·8	33
20	968·2	25·3	3·8	18·8	77	21·5	Calm		3	17·6	24·5	23·0	20·0	27·3	16·7	10·6	0·0	4·9	43
21	969·2	24·5	2·5	20·2	77	23·4	115	3·6	7	19·5	23·5	24·5	21·0	26·2	17·6	8·6	0·0	9·6	83
22	970·9	25·1	2·9	20·2	74	23·4	100	4·0	5	20·2	22·6	24·4	20·5	25·6	18·9	6·7	0·5	9·0	78
23	970·3	23·9	2·5	19·6	77	22·6	90	4·9	6	20·0	21·8	23·5	19·6	24·1	19·2	4·9	1·9	8·5	74
24	969·4	23·6	4·4	16·0	62	18·0	105	4·5	3	18·8	21·7	23·2	17·5	24·8	17·4	7·4	2·3	10·8	94
25	967·5	23·8	3·9	17·0	66	19·2	90	1·3	2	16·5	22·0	25·0	19·0	27·1	15·8	11·3	0·1	6·3	55
26	968·1	24·4	3·9	17·7	66	20·1	90	0·5	2	18·5	24·5	25·0	20·6	28·1	16·6	11·5	0·0	6·7	59
27	967·2	23·9	2·7	19·2	75	22·0	65	2·7	8	20·5	23·2	25·7	21·0	27·2	20·3	6·9	0·4	7·9	69
28	968·2	24·2	4·0	17·3	65	19·6	85	2·2	1	20·6	24·5	25·5	21·6	28·4	18·7	9·7	0·1	8·1	71
29	967·1	24·5	2·9	19·5	74	22·4	70	7·6	6	21·7	24·6	25·0	22·1	27·6	21·2	6·4	0·0	5·8	51
30	967·1	22·5	0·8	21·1	91	24·8	Calm		9	21·6	21·6	22·9	21·5	24·1	20·7	3·4	19·0	0·0	00
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	968·2	23·9	2·9	18·9	74·2	21·7	100·3°	4·5	5	19·4	22·4	23·8	20·2	25·7	18·4	7·3	68·8	7·47	64·6
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	41·9mbs.	Amount of rain	+	177·5mms.
Temperature of the Air	+	2·8°C	Duration of sunshine	+	0·76hrs.
Vapour Pressure	+	0·6mbs.	Mean of highest temperatures	+	2·9°C
Relative Humidity	—	9·9%	,, lowest temperatures	+	2·6°C
Velocity of Wind	—	0·1mps.	Absolute highest temperature	+	1·3°C
Amount of Cloud	—	1	,, lowest temperature	+	2·0°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1934.

Month and Day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
APRIL	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	1007·6	+ 1·3	29·1	19·1	10·0	24·0	− 1·2	3·0	18·8	− 2·7	73	− 7	21·5	17·2	0·0	...	6·4	2·6
2	1008·4	+ 1·9	29·2	20·6	8·6	24·5	− 0·7	3·0	19·3	− 2·2	73	− 7	22·2	19·0	0·0	...	6·8	3·2
3	1009·7	+ 3·2	29·2	21·6	7·6	24·6	− 0·5	2·7	20·0	− 1·4	76	− 4	23·2	20·0	0·6	08	6·4	4·5
4	1010·4	+ 3·8	28·8	20·8	8·0	24·3	− 0·8	2·8	19·5	− 1·9	74	− 6	22·5	18·4	0·6	05	7·0	3·9
5	1011·6	+ 4·9	29·2	20·9	8·3	24·5	− 0·5	3·5	18·5	− 2·8	69	− 11	21·1	18·0	0·0	00	7·4	3·3
6	1011·8	+ 5·0	28·2	20·7	7·5	23·9	− 1·1	3·2	18·4	− 2·9	71	− 9	20·9	18·8	7·3	54	8·5	5·4
7	1009·3	+ 2·4	28·0	21·3	6·7	24·1	− 0·8	2·9	19·1	− 2·0	73	− 7	21·9	19·8	2·2	30	8·0	4·6
8	1008·8	+ 1·8	28·6	21·8	6·8	24·6	− 0·3	3·3	18·9	− 2·2	71	− 9	21·7	19·8	0·0	...	7·0	3·2
9	1009·6	+ 2·6	29·0	22·2	6·8	24·9	+ 0·1	3·2	19·4	− 1·6	72	− 8	22·4	20·8	1·8	28	5·6	5·5
10	1008·5	+ 1·4	28·0	22·1	5·9	24·4	− 0·4	2·8	20·3	− 0·7	78	− 2	23·6	21·0	4·8	55	6·8	6·2
11	1007·4	+ 0·2	28·0	21·8	6·2	24·7	0·0	2·9	19·7	− 1·2	75	− 5	22·7	21·0	1·8	10	5·3	7·9
12	1008·2	+ 1·0	27·3	21·9	5·4	24·3	− 0·4	2·9	19·3	− 1·6	73	− 7	22·2	20·0	2·6	13	6·0	6·6
13	1008·4	+ 1·1	28·5	21·9	6·6	24·7	+ 0·1	3·2	20·9	+ 0·1	79	− 1	24·5	19·7	0·1	3	4·4	5·8
14	1008·4	+ 1·1	28·7	22·0	6·7	24·8	+ 0·3	2·6	20·3	− 0·4	76	− 3	23·6	21·0	0·6	10	7·9	8·2
15	1008·7	+ 1·3	28·2	22·1	6·1	24·6	+ 0·1	2·3	20·6	− 0·1	78	− 1	24·0	21·0	1·2	18	4·1	7·7
16	1009·4	+ 1·9	28·0	23·0	5·0	24·6	+ 0·2	2·2	20·8	+ 0·2	79	0	24·3	21·6	2·4	7	6·0	7·8
17	1009·4	+ 1·8	28·4	23·8	4·6	25·4	+ 1·1	3·3	19·9	− 0·6	72	− 7	23·1	21·8	0·2	4	5·6	8·6
18	1009·2	+ 1·6	29·0	20·2	8·8	25·0	+ 0·7	3·1	19·7	− 0·8	72	− 7	22·7	18·8	0·7	16	6·2	5·6
19	1008·5	+ 0·8	29·7	19·8	9·9	23·6	− 0·6	2·3	19·6	− 0·8	78	− 1	22·6	17·4	0·1	2	5·0	4·2
20	1008·8	+ 1·0	29·5	19·1	10·4	24·1	− 0·1	2·8	19·3	− 1·1	75	− 4	22·2	16·9	0·0	...	5·0	3·2
21	1010·0	+ 2·2	29·3	19·9	9·4	24·4	+ 0·3	2·4	20·3	0·0	78	− 1	23·6	17·0	0·0	...	6·2	2·8
22	1011·3	+ 3·4	29·2	21·3	7·9	24·8	+ 0·7	2·4	20·7	+ 0·4	77	− 2	24·1	21·0	0·2	6	10·4	2·6
23	1010·7	+ 2·7	28·9	22·5	6·4	24·9	+ 0·9	2·5	20·6	+ 0·4	77	− 2	24·0	21·0	0·7	8	8·1	4·3
24	1010·1	+ 2·0	28·1	19·7	8·4	23·9	− 0·1	3·5	18·1	− 2·1	70	− 9	20·5	19·5	0·0	...	8·8	3·5
25	1008·4	+ 0·3	28·7	17·9	10·8	22·7	− 1·2	3·1	17·3	− 2·8	72	− 7	19·6	17·0	0·0	...	5·2	2·0
26	1008·7	+ 0·5	28·8	17·8	11·0	22·7	− 1·1	2·7	18·0	− 2·0	75	− 4	20·4	14·4	0·0	...	7·4	2·6
27	1008.5	+ 0·2	29·0	20·6	8·4	24·1	− 0·3	2·6	19·6	− 0·4	76	− 3	22·6	18·8	0·5	7	4·7	5·6
28	1008·1	− 0·3	29·1	19·9	9·2	24·4	+ 0·7	2·9	19·4	− 0·5	74	− 5	22·4	16·6	0·1	4	6·0	3·6
29	1007·6	− 0·9	29·0	22·0	7·0	24·6	+ 1·0	2·1	21·0	+ 3·0	80	+ 1	24·6	20·3	0·2	2	5·2	7·6
30	1007·7	− 0·9	24·0	21·7	2·3	22·5	− 1·0	0·4	21·8	+ 2·1	96	+ 17	25·9	20·6	235·6	615	...*	9·5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1009·1	+ 2·6	28·5	21·0	7·5	24·3	− 0·1	2·7	19·7	− 0·9	75·4	− 4·4	22·7	19·3	Sum 264·2	Sum 905	6·2	5·0
Aver.	1007·5	...	27·6	21·1	6·5	24·4	...	2·2	20·6	...	79·8	...	24·1	18·3	226·4	1522	4·4	5·3
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF APRIL 1934.

There was a disturbed period from the 13th—16th. On the 15th off the N.E. of Madagascar there were indications of a disturbance forming but it did not develop into a cyclone. The rest of the month was quiet.

A continuation of the intense drought of the previous months with a prevalence of anticyclonic conditions was again the noteworthy feature of this month. Except for the last two days a marked defect of humidity was obtained throughout the month. A defect in rainfall of 78% was counterbalanced by one of the most remarkable showers of instability which occurred on the 30th. With but short interruptions, this precipitation amounted to 236mms. in the interval of 12 hrs. This intense rainfall marked the end of the drought period.

* Evaporometer overflowed.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1934.

Month and Day 1934.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather (0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.)
APRIL	hrs.	%	m.p.s.	m.p.s.	°C.	°C.	°C.	°C.	
1	11·2	94	2·6	− 0·6	25·1	26·7	27·4	26·9	bc : b
2	10·8	92	2·9	− 0·3	25·1	26·5	27·3	27·0	b : bc : c : bc : b
3	8·8	75	3·3	+ 0·1	25·2	26·5	27·3	27·2	b : bc . bcd : c : bc
4	9·9	84	3·8	+ 0·6	25·2	26·4	27·3	27·1	b : bcp : c : b
5	10·9	93	3·6	+ 0·4	25·2	26·5	27·3	27·1	bc : b
6	9·7	83	4·6	+ 1·4	25·2	26·5	27·2	27·1	c : cp : c : cp : b : cr_o
7	10·0	85	4·5	+ 1·3	25·2	26·4	27·2	26·8	cp : bc : cr_o
8	9·2	79	4·9	+ 1·7	25·3	26·4	27·1	26·8	bc
9	8·0	69	4·7	+ 1·5	25·2	26·4	27·0	26·8	bcd : cd : c : cr_o
10	9·5	81	4·3	+ 1·0	25·3	26·5	26·9	26·8	cr : bc : c cp : c
11	7·2	62	4·2	+ 0·9	25·2	26·4	26·9	26·6	c : cp : c : bc
12	4·1	35	4·2	+ 0·9	25·3	26·3	26·8	26·4	bc : c : cq : ogq : og : cgr
13	9·5	82	3·1	− 0·2	25·2	26·4	26·7	26·5	bc : bcd : c : bc : c
14	8·4	73	2·9	− 0·4	25·3	26·2	26·7	26·8	cd_o : c : or_o
15	3·3	29	2·4	− 0·9	25·3	26·3	26·7	26·9	c : cr_o : c
16	3·7	32	3·1	− 0·2	25·3	26·3	26·7	26·9	bc : bcd_o : cp : c ; c : c
17	3·0	26	3·4	+ 0·1	25·3	26·2	26·7	26·6	o : c : o : cd_o
18	9·2	80	2·3	− 1·0	25·4	26·3	26·5	26·8	c : cdd : c : bc : b
19	7·3	64	1·7	− 1·6	25·3	26·3	26·8	26·8	b : b_o : bc : c : bc
20	7·9	69	1·8	− 1·5	25·3	26·1	26·8	26·6	b_o : bc : c : b
21	10·0	87	2·7	− 0·6	25·3	26·2	26·8	26·8	b_o : b : bc : b
22	10·4	91	3·2	− 0·1	25·3	26·2	26·8	27·0	b : bd_o : bc : b
23	9·8	86	3·4	+ 0·1	25·3	26·2	26·9	27·1	bc : bcr_o : bc : b : bc
24	10·7	93	4·0	+ 0·7	25·3	26·1	26·8	27·1	bc : b ; bc ; b : bc
25	10·7	94	3·2	− 1·1	25·3	26·2	26·9	26·9	b : bc : b : b_o
26	9·7	85	2·1	− 1·2	25·3	26·1	26·8	26·7	b_o : b : bc : b
27	8·0	71	2·6	− 0·7	25·3	26·2	26·8	26·5	bc : cr_o : bc : b
28	10·1	89	2·2	− 1·1	25·4	26·2	26·6	26·6	b : bc
29	6·1	54	2·6	− 0·7	25·3	26·1	26·7	27·0	c : bc : c : bc
30	0·0	00	1·6	− 1·7	25·4	26·1	26·6	26·1	bc : cRR : oRR : o
...	...	...	...	...	...	...	...	...	.....
Mean	8·23	71·3	3·16	− 1·1	25·27	26·31	26·90	26·81	.....
Average	7·55	55·0	3·27	...	25·57	26·90	27·07	26·91	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF APRIL 1934.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1013·1mbs	at 09.00h.	on 6th	1006·0mbs	at 16.00hrs. / 15.00hrs.	on 1st / on 11th
Temperature of the Air	29·7°C	at 12.00h.	on 19th	17·8°C	at 06.00hrs	on 26th
Daily range of temperature of the Air ...	10·8°C	...	on 25th	2·3°C	.	on 30th
Temperature of the Dew Point	22·9°C	at 11.00h.	on 30th	15·0°C	at 14.00hrs.	on 24th
Daily range of temperature of the Dew Point	5·7°C	...	on 24th	1·8°C	...	on 22nd
Minimum on Grass	...	...	...	14·4°C	...	on 26th
Relative humidity	100%	at 14.00 & 18.00hrs.	on 30th	45·7%	at 14.00hrs	on 24th
Vapour Pressure	27·6mbs.	at 11.00hrs.	on 30th	16·9mps.	at 14.00hrs.	on 24th
Wind Velocity	7·9m.p.s.	at 13.00h.	on 8th	0·6mps	often	...
Rainfall in 24 hours	235·6mms.	...	on 30th	...	...	...
Evaporation in 24 hours	11·2mms	...	on 6th	...	...	...
Duration of sunshine	11·2hrs.	...	on 1st	0·0hrs.	...	on 30th

Mean Day Temperature of Air, 26·20°C. Average 25·54°C. Mean Night Temperature of Air, 22·37°C. Average 22·39°C.

NUMBER OF DAYS OF—

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

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

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

APRIL 1934.

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	080	089	100	106	114	128	118	091	100	100	079	081	099	090	091	101	Midnight
1h	080	089	097	101	111	123	110	088	098	094	072	079	093	090	088	098	1h
2	078	083	093	100	110	119	102	088	092	090	069	076	090	087	081	097	2
3	071	079	091	096	108	115	100	082	091	088	067	070	085	080	080	092	3
4	070	077	090	093	106	116	097	081	090	083	068	070	080	077	078	090	4
5	071	076	090	094	110	120	095	082	091	084	070	070	080	076	078	091	5
6	072	080	094	098	114	124	094	084	094	090	075	075	081	079	076	096	6
7	078	082	099	101	120	129	097	089	100	092	077	080	083	081	082	099	7
8	081	090	101	108	120	130	098	091	102	094	081	083	089	089	089	101	8
9	086	092	106	111	121	131	101	097	106	099	082	090	090	090	091	103	9
10	083	091	106	111	125	130	101	095	110	097	081	094	092	091	092	101	10
11	080	090	102	110	121	129	099	091	109	092	080	090	091	090	091	095	11
Noon	076	082	098	106	117	130	090	082	099	087	076	084	088	082	087	089	Noon
13h	072	074	091	098	109	112	080	079	091	077	070	080	080	078	081	086	13h
14	070	071	089	091	105	109	077	074	084	070	062	076	074	071	076	080	14
15	061	069	084	090	102	101	073	071	080	068	060	071	069	069	076	077	15
16	060	070	086	091	102	101	073	071	084	070	061	071	070	070	079	080	16
17	061	073	089	098	107	105	078	080	086	072	068	078	072	074	082	082	17
18	066	080	091	103	110	110	084	084	091	078	070	080	076	080	087	089	18
19	073	083	097	110	118	113	090	093	098	080	075	085	080	085	091	092	19
20	080	091	105	112	124	120	094	100	101	083	080	094	089	089	099	101	20
21	086	098	110	118	130	121	099	101	105	086	082	100	091	094	101	100	21
22	090	099	110	118	130	120	099	102	106	088	087	101	091	097	101	105	22
23	090	100	108	115	129	120	094	101	101	085	084	100	090	097	101	105	23

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour
Midnight	101	101	093	091	098	111	118	113	100	097	096	090	082	082	...	1009·8	Midnight
1h	096	100	091	090	096	111	113	111	096	092	091	088	080	080	...	1009·5	1h
2	090	098	089	086	094	110	110	110	091	090	086	082	073	075	...	1009·1	2
3	091	092	085	082	092	110	107	106	088	082	080	080	070	070	...	1008·8	3
4	088	091	080	081	093	108	104	103	080	079	080	080	069	067	...	1008·6	4
5	084	091	080	080	095	109	105	104	081	079	082	080	066	067	...	1008·6	5
6	090	092	082	087	097	112	108	108	084	080	086	081	070	070	...	1008·9	6
7	095	098	088	090	102	119	111	111	089	090	091	090	079	073	...	1009·4	7
8	103	101	091	093	105	121	118	114	090	093	096	094	087	080	...	1009·8	8
9	107	107	097	095	107	124	120	116	090	097	096	098	090	086	...	1010·1	9
10	110	109	100	094	107	124	021	113	090	098	095	098	090	088	...	1010·1	10
11	104	100	096	091	104	120	115	110	085	092	091	092	081	081	...	1009·7	11
Noon	096	090	086	088	100	112	104	101	076	084	080	081	075	076	...	1009·0	Noon
13h	090	082	079	081	092	105	098	091	071	079	073	074	070	071	...	1008·4	13h
14	083	078	070	079	088	100	091	084	068	076	070	070	067	069	...	1007·9	14
15	080	073	061	072	086	100	090	080	063	073	069	067	061	062	...	1007·5	15
16	080	076	064	078	089	101	091	089	067	073	070	063	061	067	...	1007·7	16
17	085	079	070	081	092	103	094	080	069	079	072	060	066	070	...	1008·0	17
18	090	083	076	087	099	109	097	090	074	081	077	063	070	079	...	1008·5	18
19	093	090	082	090	102	110	103	096	082	090	082	071	074	081	...	1009·0	19
20	100	092	090	100	110	118	110	101	094	094	090	080	080	087	...	1009·7	20
21	101	097	095	102	116	120	113	103	099	100	096	089	088	090	...	1010·1	21
22	102	097	096	104	115	122	114	101	100	100	096	090	089	090	...	1010·2	22
23	104	096	093	101	114	120	115	100	100	099	091	089	088	090	...	1010·1	23

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

Hour. \ Day.	April 1934.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30		Mean.
Midnight	2	2	2	1	2	3	6	3	2	10	4	4	5	9	7	5	9	10	1	0	1	1	2	5	1	0	4	2	8	6	...	3·9
1h	3	2	2	2	3	5	7	4	2	10	5	3	4	8	7	5	8	9	1	0	0	1	2	4	0	0	6	2	7	8	...	4·0
2	4	2	2	2	3	7	9	2	2	7	5	2	4	9	7	5	9	8	1	0	0	1	1	5	2	0	8	1	8	7	...	4·1
3	3	2	2	3	3	3	5	2	2	3	6	2	3	9	9	5	10	7	0	0	0	1	2	7	0	0	9	1	7	7	...	3·8
4	2	2	2	4	4	4	6	3	1	4	6	1	2	7	9	4	10	8	0	0	1	1	3	7	1	0	9	2	6	6	...	3·8
5	2	2	5	2	3	10	4	3	4	3	8	4	3	7	10	6	10	8	0	1	1	1	4	5	1	0	9	0	6	5	...	4·2
6	2	1	5	2	4	9	2	3	7	4	8	5	7	7	9	8	10	9	1	1	2	1	4	3	1	1	10	1	6	8	...	4·7
7	2	1	5	2	4	9	3	4	6	5	8	7	6	8	9	6	9	8	1	1	3	2	4	2	1	1	9	1	7	9	...	4·8
8	2	2	3	4	4	4	3	4	6	5	7	7	7	8	9	6	8	8	3	1	5	2	6	1	2	1	8	1	8	9	...	4·8
9	3	3	6	7	6	5	3	4	8	7	7	8	8	6	9	10	8	7	9	1	5	3	7	1	3	1	6	1	8	10	...	5·7
10	3	4	6	7	5	4	4	2	9	7	7	9	7	8	7	9	7	7	9	2	4	7	5	4	6	5	6	3	4	10	...	5·9
11	3	5	6	7	5	5	5	3	8	7	8	8	7	8	9	7	8	7	7	3	5	5	6	5	6	6	5	4	4	10	...	6·1
Noon	4	6	7	8	4	7	5	4	7	7	9	9	7	9	10	9	8	8	8	4	6	4	7	4	4	8	4	3	8	10	...	6·6
13h	5	6	7	8	4	7	6	4	7	6	9	9	7	8	7	10	8	7	9	6	5	4	7	3	4	7	5	4	9	10	...	6·6
14	5	6	7	8	4	7	6	4	3	5	9	9	7	7	9	9	9	6	10	7	6	5	5	2	5	6	6	4	10	10	...	6·6
15	4	7	9	5	4	7	5	6	3	6	9	10	5	6	7	9	10	7	7	10	4	6	6	1	4	5	6	4	10	10	...	6·4
16	4	6	9	5	4	6	3	4	4	6	9	9	6	8	8	9	10	4	8	10	3	5	4	1	3	4	6	5	9	10	..	6·1
17	2	4	5	2	2	4	4	3	5	6	9	10	6	9	8	10	10	3	7	10	3	3	3	2	2	3	3	6	10	10	...	5·5
18	1	3	5	1	1	2	2	2	4	7	9	10	8	10	8	10	10	3	7	9	2	2	3	2	1	3	3	6	9	10	...	5·1
19	1	2	5	1	1	2	2	3	4	10	8	4	5	10	7	10	10	2	1	4	3	1	3	4	2	2	3	3	9	10	...	4·4
20	1	2	2	2	2	2	4	3	3	9	7	3	3	10	3	10	10	1	0	2	3	2	3	9	0	1	3	7	8	10	...	4·2
21	1	2	2	3	2	2	4	3	2	6	5	8	6	10	6	8	8	1	4	1	2	1	4	3	0	1	2	8	7	10	.	4·1
22	1	2	2	4	2	8	9	2	8	6	5	8	6	9	6	8	4	1	3	1	1	1	4	4	0	2	2	7	7	10	...	4·4
23	2	2	2	2	2	9	6	3	10	6	4	8	7	8	6	7	5	1	3	1	1	2	4	2	0	3	2	7	7	10	...	4·4

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

Hour Ending. \ Day.	April 1934.																															
	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	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	40	30	0	5	35	3	0	25	0	10	1	0	7	13	0	0	0	6	18	26	6	25	0	17	35	35	0	30	0	0	...	6·1
8	60	60	55	55	50	32	50	55	3	60	35	35	55	55	3	44	4	28	60	60	60	60	50	60	60	60	8	60	30	0	...	21·8
9	60	60	60	50	60	55	54	50	11	48	47	50	60	58	0	30	0	59	60	60	60	60	55	60	60	60	32	60	46	0	...	23·7
10	60	60	55	56	60	60	60	60	42	58	56	30	60	60	35	42	25	58	50	60	58	60	60	60	60	48	20	60	54	0	...	25·5
11	60	60	50	55	60	60	54	60	54	60	56	36	45	60	32	55	52	59	55	60	50	50	60	60	60	47	55	60	60	0	...	26·4
Noon	60	60	60	50	60	55	60	60	60	60	55	38	55	49	0	21	30	60	54	50	60	60	60	60	60	35	60	60	55	0	...	25·1
13h	60	60	54	60	60	59	60	60	58	60	60	10	60	51	15	1	27	60	15	60	60	60	55	60	60	50	60	60	40	0	...	24·2
14	60	55	58	56	60	60	60	60	56	60	55	15	53	60	47	8	24	60	5	57	60	60	60	60	50	59	58	58	0	0	...	23·9
15	60	54	25	60	60	60	60	60	60	60	56	2	52	60	50	8	17	58	25	41	60	56	55	60	52	60	60	50	4	0	...	23·1
16	60	58	53	60	60	60	60	60	57	59	13	24	58	35	15	14	1	56	23	0	58	50	56	59	60	60	58	22	45	0	...	21·6
17	60	60	50	58	60	55	50	2	60	36	0	0	57	0	0	0	0	44	54	0	60	60	55	60	60	56	50	56	30	0	...	18·9
18	30	30	11	28	31	20	30	0	18	2	0	5	9	0	0	0	0	3	17	0	7	24	20	25	28	12	20	28	0	0	...	6·6
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 247.0 hrs. and the total possible sunshine was 348·2 hrs.

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

(To obtain temperatures on the Absolute Scale add 273)

APRIL 1934.

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

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

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

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

APRIL 1934.

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during APRIL 1934.

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

The Velocities are given in Metres per second, using the factor 2 2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

APRIL 1934.

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

Hour.	17d.		18d.		19d. *		20d. *		21d		22d.		23d.		24d.		25d.		26d.		27d.		28d.		29d.		30d. *				Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir	Vel	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	08	2·5	07	1·8	11	1·2	11	0·9	12	0·9	10	1·8	10	2·4	10	2·7	11	1·3	11	1·8	07	1·1	07	1·3	11	0·6	11	1·8	...	...	2·1
1h	08	2·7	07	1·9	11	1·2	11	1·6	12	1·0	10	2·1	10	1·6	10	2·1	11	1·2	11	1·8	07	1·3	07	1·1	11	0·6	10	1·5	...	...	2·0
2	07	2·5	07	1·8	11	1·5	11	1·8	12	1·1	10	2·0	10	2·2	10	1·4	11	1·9	11	1·5	07	1·9	07	1·1	11	0·6	10	1·7	...	...	2·0
3	08	2·0	07	2·3	11	1·1	11	2·1	12	1·3	10	1·3	10	2·1	10	1·8	11	2·4	11	1·4	07	1·8	07	1·8	11	0·7	10	1·4	...	...	2·0
4	07	2·0	07	1·6	11	1·8	11	2·0	12	0·7	10	1·6	09	2·2	10	1·8	11	1·5	11	2·2	08	2·2	07	1·8	11	1·0	10	2·7	...	...	2·1
5	07	2·3	07	1·7	11	1·7	11	2·2	12	0·6	10	1·8	09	2·3	10	1·6	11	1·3	11	1·6	10	1·9	10	1·1	14	0·7	10	2·1	...	...	2·1
6	07	2·2	07	1·3	11	1·7	11	1·3	12	0·6	10	2·0	09	1·5	10	1·8	11	1·4	11	2·0	08	2·2	11	2·2	14	0·7	10	2·0	...	...	2·3
7	07	1·8	07	1·5	11	1·8	11	1·4	12	0·6	10	1·9	08	1·5	10	2·9	11	1·8	12	2·0	08	1·9	11	1·8	13	1·4	10	1·2	...	...	2·2
8	08	2·7	07	2·1	11	0·7	11	0·8	11	2·6	10	2·0	07	2·8	10	3·4	11	1·3	12	1·4	08	1·5	12	1·6	12	2·2	10	0·8	...	...	2·8
9	06	4·4	06	3·0	10	1·1	11	1·4	10	4·0	09	3·2	09	4·1	09	4·6	09	3·2	11	2·8	11	1·7	10	3·5	09	4·4	08	1·0	...	...	4·1
10	07	4·9	05	3·1	09	1·1	07	1·8	09	4·5	06	3·9	09	4·4	11	4·7	07	2·9	11	2·3	04	2·9	09	3·6	12	5·0	d18	1·8	...	...	4·4
11	08	4·3	06	3·3	01	1·5	10	1·8	11	4·4	08	4·6	06	4·9	07	5·0	07	2·8	11	2·5	04	5·2	07	3·5	12	5·6	16	1·6	...	...	4·7
Noon	07	5·3	06	2·9	32	2·3	d23	3·2	09	4·3	08	5·2	06	4·7	10	5·0	06	2·9	08	3·2	03	5·2	05	3·3	12	4·7	21	2·7	...	...	4·8
13h	08	5·1	05	3·9	24	3·4	24	4·1	10	4·9	10	5·2	08	5·3	10	4·8	07	3·2	08	3·8	02	5·6	05	3·0	12	4·5	16	3·2	...	...	5·0
14	08	4·9	06	3·9	r11	3·0	24	3·3	12	4·6	09	5·4	09	5·7	11	5·3	06	3·1	06	3·4	04	5·0	08	2·3	07	4·7	09	2·7	...	...	4·8
15	08	5·0	07	3·8	06	5·2	20	2·0	11	4·8	10	5·3	08	5·4	10	4·6	09	3·8	07	3·4	02	4·9	09	3·3	08	5·0	12	1·1	...	...	4·8
16	06	4·4	06	3·7	06	2·5	15	1·4	09	5·1	11	5·3	09	5·6	10	4·7	06	3·4	07	3·2	02	4·4	08	3·2	06	4·7	28	1·2	...	...	4·5
17	06	5·0	05	3·1	08	1·6	12	2·6	11	4·3	11	5·4	09	5·4	10	3·9	08	3·2	06	3·1	04	2·5	07	4·0	07	4·4	28	0·8	...	...	4·1
18	06	3·3	06	2·2	09	1·8	12	1·5	11	3·2	10	3·9	09	4·2	11	2·5	07	1·6	07	1·4	06	1·8	08	2·9	09	3·3	28	1·0	...	...	3·1
19	07	3·3	06	1·4	09	1·2	12	1·9	10	3·0	11	3·8	10	3·4	11	1·4	11	1·8	07	0·9	06	0·6	08	1·8	07	2·2	28	0·8	...	...	2·4
20	08	3·4	06	1·2	11	1·4	12	1·7	10	2·9	11	3·2	10	2·4	11	1·3	11	1·4	07	1·1	11	1·5	08	1·3	07	1·3	d07	1·5	...	...	2·4
21	07	3·2	06	1·2	11	1·2	12	1·0	10	2·1	11	3·0	10	1·2	11	1·5	11	1·8	07	1·2	11	1·5	11	1·6	07	1·8	09	1·7	...	...	2·3
22	08	2·8	06	1·1	11	1·2	12	0·6	10	1·5	10	1·9	10	2·0	11	1·4	11	1·8	07	1·2	11	1·8	11	1·6	07	1·1	09	1·8	...	...	2·2
23	07	2·5	06	1·4	11	1·0	12	0·7	10	1·8	10	2·1	11	3·4	11	1·6	11	2·1	07	1·2	09	1·3	11	1·2	11	1·5	09	1·1	...	...	2·2

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), APRIL, 1934.

Hour	Force (0-12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	...	30	...	...	...	...	8	8	14	...	...	...	...	...	...	...	...	...
9	...	7	23	...	...	...	3	17	6	4	...	...	...	...	...	...	...	...	...
15	...	6	24	...	1	1	3	18	3	3	...	...	...	1	...	...	...	...	...
21	...	...	30	...	...	1	1	11	7	10	...	...	...	...	...	...	...	...	...
Totals	...			...	1	2	7	54	24	31	...			1	...	...	...	...	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for APRIL 1934.

Hour \ Day	1st	2d	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22d	23rd	24th	25th	26th	27th	28th	29th	30th	...
	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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	0·3	...	0·1	2·5	...	...	...	0·1	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	0·5	0·8	...	...	1·4	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·1	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	1·5	...	...	...	...	1·8	...	...	...	1·0	...	...	0·1	...	...	...	...	...	...	...	...	0·1	0·1	...	...	...
6	...	...	...	...	...	0·5	...	...	...	...	...	...	0·1	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	0·2	...	...	0·2	...	...	...	...	...	...	...	...	...	0·2	...	0·1	...	...	...	...	0·2	...	...	...	...	...	...	...	...
8	...	...	0·2	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	0·1	...	...	...	0·1	0·5	...	...	...	0·1	...	...	...	...
9	...	...	0·1	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	0·1	...	...	...	...	...	...	...	...	0·3	...	...	16·7	...
10	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	38·3	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20·0	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19·5	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·2	...	...	...	...	...	...	...	...	...	...	...	...	...	5·6	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	55·0	...
15	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20·0	...
16	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	0·5	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	8·0	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27·0	...
19	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	19·0	...
20	...	...	...	...	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·5	...
21	...	...	...	...	...	...	...	...	...	0·2	...	2·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	...
22	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	2·7		...	1·0	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	1·2	1·0	...	0·6		...	...	...	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 APRIL 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	0·80	20·3	153·7	9
	St. Antoine	50	1·63	41·1	138·9	9
	Belmont	50	1·73	43·9	146·3	8
	Poudre d'Or	20	2·28	57·9	149·3	9
	Mon Loisir S. E.	300	3·22	81·8	175·5	14
	Forbach	300	...	...	131·8	...
	Couroupa	...	3·30	83·9	180·8	8
	Labourdonnais	290	0·98	25·0	158·2	8
	Beau Séjour	300	1·91	48·5	186·4	13
	Mont Piton	650	1·78	45·2	187·2	16
	Mon Choix	700	1·01	25·7	171·2	10
	Antoinette	640	2·27	57·7	193·3	14
	Mon Songe	620	5·16	131·1	196·1	11
	Botanical Gardens ...	325	11·60	294·6	157·0	13
	The Observatory	179	10·41	246·3	130·0	21
	Solitude	175	3·36	85·3	104·9	6
	St. André	90	0·45	11·4	134·4	3
	La Nicolière	...	5·70	144·8	...	17
2 & 3	Union Régnard S.E. (Flacq)	600	7·51	190·5	222·8	19
	Constance d'Arifat L.G. ...	100	3·97	100·8	174·2	16
	Rich Fund	600	3·78	96·0	252·2	20
	La Joffrette	...	2·99	75·9	...	17
	Belle Vue (Allendy) ...	...	6·72	170·7	236·2	18
4	Sans Souci	900	7·18	182·3	363·5	22
	Beau Champ (G.R.S.E.) ..	20	3·67	93·2	191·3	16
	Olivia	400	3·99	101·3	278·4	20
	Trois Ilots	...	3·98	101·1	...	15
	Belle Rive	400	4·2	114·8	...	22
	Sébastopol	700	4·30	109·2	...	18
	Bonne Veine	400	6·00	152·4	423·2	20
5	Rose Belle	850	4·57	116·1	...	22
	New Grove	650	2·81	71·4	...	17
	Mon Trésor	...	1·81	46·0	...	11
	Mon Désert (Carié) ...	75	1·80	45·7	184·7	10
	Ferney	20	4·61	117·1	253·2	18
	Sauve Terre	...	1·92	48·8	...	9
6	Tivoli	1,300	34·7	88·1	385·6	22
	La Flora	1,050	4·40	111·8	415·8	17
	Riche Bois (Brit.) ...	650	2·21	56·1	...	15
	Britannia (Estate) ...	700	2·89	73·4	294·9	19
6	Savannah (Mill) ...	200	1·39	35·3	217·7	8
	St. Aubin	300	1·55	39·4	228·3	18
	St. Avold	900	4·07	103·4	322·5	19
	Colmar	400	3·07	78·0	242·8	16
	Union S. E.	...	1·66	42·2	217·2	10
	Fontenelle	320	2·76	70·1	233·9	14
	Choisy	200	2·50	63·5	...	9
	Beau Bois	...	2·80	71·1	...	16
	Sophie	...	4·22	107·1	..	21
7,8,9&10	Bel Ombre	40	1·37	34·8	167·9	12
	Beau Champ (B. du Cap)	70	1·21	30·7	...	8
	Frédérica	...	1·67	42·4	...	9
	Pierre Fond	...	0·88	22·4	...	12
	Ste. Marie	...	1·75	44·4	...	8
	Hussonia Limited .	...	...	...	...	...
11	Curepipe Gardens ...	1,840	4·29	109·0	298·7	29
	Mare aux Vacoas (G.E.)	1,850	4·02	102·1	411·2	19
	Mare aux Vacoas (Arn.)	1,830	4·96	126·0	379·2	19
	La Marie Filter Bed ...	1,700	3·79	96·3	242·6	15
	Réunion	1,420	2·63	66·8	196·1	16
	Aerological Station ...	1,393	2·71	68·8	283·2	22
	Phœnix	...	...	...	...	...
	Quatre Bornes... ...	...	...	...	...	...
12	Quatre Bornes (Board) ...	1,090	2·91	73·9	...	4
	Le Réduit (D. of A.) ...	1,000	1·43	36·4	122·9	26
	Alma	1,460	7·28	184·9	328·9	18
	Bagatelle	1,250	2·64	67·1	186·2	13
	Highlands	1,300	2·29	58·2	219·5	16
	Trianon	950	...	...	144·8	...
	Val Ory	1,100	1·59	40·4	147·1	12
	Bassin	...	0·95	24·1	...	11
	Hermitage	1,450	3·75	95·2	...	13
	Ebene	...	1·12	28·4	...	7
	Bega	...	0·82	20·8	...	6
	Mon Rêve	...	1·69	42·9	...	8
	Mont Pevril	...	1·51	38·4	...	8
	Minissy	1,150	1·35	34·3	191·8	8
	Plaisance	...	1·07	27·2	...	5
	La Ferme	350	0·13	3·3	...	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 1934.

Day. \ Type.	Time	Scud		Cumulus Cu. St. &c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cumulus Cu. St. &c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	18½	...	...	...	...	...	...	...	...	...	...	292	2·6*
3	10	61	7·7*	88	6·4*	...	...	...	...	...	...	...	...	13¾	108	11·9*	111	9·3*	...	...	...	...	...	...	...	...
4	11	96	23·6*	81	11·1*	...	...	...	...	...	...	...	...	14¼	96	15·0*	101	8·6*	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	9½	111	9·0*	89	8·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	9½	89	19·5*	78	16·6*	...	...	...	...	321	0·9*	...	...	14¼	111	12·2*	94	12·5*	...	...	...	...	321	1·0*	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	88	13·7*	84	8·6*	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	81	8·6*	84	8·5*	...	...	...	...	...	...	261	0·9*
13	10	...	...	90	18·7	...	...	...	...	...	...	285	...	18	...	...	...	...	300	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	14	118	6·9*	116	7·5*	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	9¾	...	...	90	32·3	360	...	...	...	...	...	285	2·9	...	...	...	...	...	...	...	...	...	...	...	...	...
18	11½	105	6·9	105	7·5	300	...	...	...	...	...	...	...	13¾	79	4·0*	76	6·3*	...	...	...	...	...	...	291	2·6*
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	146	3·9*	118	4·9*	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	9½	116	10·6*	141	3·4*	...	...	...	...	...	...	...	...	13½	111	7·0*	141	2·4*	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	30	12·9	30	9·5	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	16¾	94	13·5*	96	11·4*	...	...	...	...	287	3·1*	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

MAY, 1934

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

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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1935

Magnetic Work was suspended
on September 5th, 1933, owing
to Extensive Repairs to
Magnetic Basement.

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of MAY 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
MAY	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	969·5	21·1	2·6	16·5	75	18·6	105	1·3	7	20·3	24·5	25·1	21·5	26·9	19·5	7·4	36·1	9·8	87
2	971·3	23·7	2·2	19·9	79	23·0	95	5·8	7	21·1	23·6	24·6	21·5	26·6	20·3	6·3	19·3	9·1	81
3	971·9	24·1	3·2	18·6	71	21·2	115	6·7	7	21·5	23·0	21·8	21·5	26·9	20·5	6·4	0·1	8·2	73
4	972·3	21·8	2·9	16·7	73	18·8	120	6·3	4	20·7	23·0	22·5	20·5	25·2	20·0	5·2	7·7	8·2	73
5	972·0	19·8	0·7	13·5	92	21·1	115	7·6	10	20·5	20·5	21·0	20·3	22·9	19·3	3·6	18·3	2·0	18
6	972·7	21·7	2·5	17·3	76	19·6	110	6·7	9	20·4	22·6	23·7	19·0	25·4	17·2	8·2	19·5	7·4	65
7	971·8	22·6	2·4	18·4	77	21·0	85	6·3	6	17·3	22·0	23·5	21·0	25·5	16·4	9·1	0·7	8·6	76
8	971·8	21·1	1·2	19·0	88	21·8	90	7·6	9	20·8	22·0	23·7	21·0	25·5	19·4	6·1	4·4	6·3	56
9	970·9	23·5	3·0	18·3	72	20·8	65	7·2	8	20·4	24·0	24·1	20·0	25·9	19·3	6·6	0·2	9·1	81
10	970·1	23·0	3·3	17·3	70	19·6	65	3·1	9	19·0	23·0	21·0	18·4	26·0	17·8	8·2	0·0	2·0	18
11	970·0	23·7	4·0	16·8	65	18·9	Calm		3	17·9	23·5	22·6	20·6	26·7	16·4	10·3	6·1	4·9	44
12	970·1	22·7	2·7	18·0	75	20·4	125	6·3	2	19·6	23·5	22·5	20·5	25·8	18·9	6·9	12·8	8·4	75
13	971·1	23·2	3·3	17·5	70	19·8	130	7·6	8	20·0	21·7	23·0	20·3	25·1	18·8	6·3	4·8	6·6	59
14	969·8	20·5	0·8	19·1	96	21·9	110	8·5	8	20·1	21·8	20·6	19·0	23·7	18·7	5·0	2·8	1·5	13
15	966·5	21·5	1·5	18·8	85	21·5	70	4·0	9	19·3	21·5	23·0	20·7	24·9	18·3	6·6	22·4	4·4	40
16	963·0	22·5	2·6	17·9	75	20·3	300	2·2	8	19·6	21·0	24·0	21·3	26·4	18·2	8·2	0·0	6·1	55
17	966·1	24·2	4·0	17·1	65	19·3	25	1·3	9	18·6	22·5	22·5	20·9	26·9	16·9	10·0	1·3	4·0	36
18	967·4	23·7	2·7	19·0	75	21·8	75	2·2	10	20·7	20·5	24·0	20·5	26·4	19·9	6·5	15·3	4·2	38
19	968·7	23·0	2·1	19·4	80	22·3	30	2·2	10	20·0	20·7	23·0	20·7	25·0	18·3	6·7	0·1	3·2	29
20	969·1	22·8	2·5	18·4	72	21·0	80	1·8	10	20·5	22·7	23·5	22·9	26·6	18·9	7·7	0·5	3·8	34
21	969·1	22·5	2·1	18·8	80	21·5	90	9·4	6	20·4	22·0	22·2	20·0	25·0	19·7	5·3	2·8	4·5	41
22	971·6	20·5	1·1	18·5	88	21·[illegible]	95	6·3	10	20·0	20·7	21·2	19·6	23·4	18·9	4·5	2·2	2·1	19
23	969·0	20·9	1·6	18·0	83	20·4	90	9·4	10	19·2	21·2	20·0	19·0	22·9	19·2	3·7	2·8	3·0	27
24	967·8	22·1	2·7	17·4	75	19·7	55	8·9	8	19·0	21·7	22·7	19·5	24·6	17·8	6·8	9·7	5·0	45
25	969·7	20·5	1·6	17·6	83	19·9	75	3·6	6	19·5	19·6	20·7	20·3	23·5	18·8	4·7	1·2	0·0	00
26	971·3	20·7	1·1	18·7	88	21·4	100	8·5	10	20·0	20·2	23·0	20·5	24·9	18·9	6·0	6·3	1·3	12
27	971·6	20·0	0·6	18·9	93	21·6	90	10·3	10	20·5	20·5	22·0	20·9	23·0	19·8	3·2	2·2	0·0	00
28	971·0	22·1	2·1	18·4	87	21·0	90	9·4	8	20·3	22·1	21·9	19·6	25·2	19·4	5·8	1·5	5·2	47
29	971·8	20·7	2·7	15·9	74	17·9	100	8·9	7	19·9	21·5	22·5	19·5	23·4	19·2	4·2	0·9	8·2	75
30	971·2	19·5	0·8	18·0	91	20·4	115	8·9	10	19·2	20·0	22·2	20·1	23·1	17·9	5·2	3·6	5·7	52
31	971·5	20·4	1·8	17·2	82	19·4	70	11·2	7	19·0	20·0	2·12	18·9	22·7	17·3	5·4	20·2	7·3	66
Mean	970·0	21·9	2·2	18·1	79·1	20·6	94·0	6·1	8	19·8	21·7	22·5	20·3	25·0	18·7	6·3	225·8	5·17	46·3
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	42·3mbs.	Amount of rain	—	29·7mms.
Temperature of the Air	+	2·3°C	Duration of sunshine	+	12·7hrs.
Vapour Pressure	—	1·0mbs.	Mean of Maximum temperatures	+	0·8°C
Relative Humidity	—	3·5%	,, Minimum temperatures	+	1·1°C
Velocity of Wind	—	2·0mps.	Absolute Maximum temperature	+	0·9°C
Amount of Cloud	—	0·6	,, Minimum temperature	+	0·7°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MAY 1934

Month and Day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10)
MAY	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	1010·6	+ 1·9	27·8	21·0	6·8	23·8	+ 0·4	2·1	20·2	+ 0·6	85	+ 6	25·0	19·8	0·0	...	4·8	4·9
2	1012·9	+ 4·2	27·7	21·7	6·0	24·0	+ 0·7	2·4	19·9	+ 0·4	78	− 1	23·1	20·8	0·1	2	5·7	4·0
3	1013·1	+ 4·3	27·6	21·1	6·5	23·8	+ 0·6	2·5	19·5	+ 0·1	77	− 2	22·5	20·4	0·1	2	9·6	3·4
4	1013·1	+ 4·2	27·0	21·4	5·6	23·4	+ 0·3	2·8	18·5	− 0·8	74	− 5	21·1	20·2	1·1	30	6·0	5·1
5	1013·2	+ 4·3	25·0	20·9	4·1	22·1	− 0·9	1·6	19·1	− 0·1	83	+ 4	21·9	19·5	12·7	123	3·6	7·5
6	1013·7	+ 4·7	26·6	19·1	7·5	23·1	+ 0·2	3·1	17·7	− 1·2	71	− 8	20·0	21·0	0·0	...	6·4	4·3
7	1013·4	+ 4·3	26·3	17·1	9·2	22·2	− 0·6	2·6	17·6	− 1·2	75	− 4	19·9	15·2	0·3	10	9·2	3·5
8	1012·9	+ 3·7	26·4	20·9	5·5	23·1	+ 0·4	2·0	19·6	+ 0·9	78	− 1	22·6	21·2	7·4	82	6·4	5·6
9	1011·9	+ 2·6	26·4	20·1	6·3	22·5	− 0·1	2·1	18·8	− 0·2	80	+ 1	21·7	17·2	0·7	17	2·8	3·9
10	1011·2	+ 1·9	26·1	19·3	6·8	22·2	− 0·3	1·6	19·6	+ 1·1	85	+ 6	22·6	18·6	0·9	20	2·7	8·5
11	1010·9	+ 1·5	25·2	18·0	8·2	21·5	− 0·9	1·4	19·0	+ 0·6	86	+ 7	21·8	16·2	40·8	56	3·0	5·3
12	1011·1	+ 1·6	26·6	18·0	8·6	22·3	− 0·1	2·2	18·3	− 0·1	78	0	20·8	15·8	0·0	...	4·2	3·5
13	1012·2	+ 2·6	26·1	20·1	6·0	22·9	+ 0·6	2·8	18·0	− 0·3	74	− 4	20·4	19·0	0·8	5	5·8	4·5
14	1010·8	+ 1·1	24·5	19·9	4·6	21·3	− 1·0	1·0	19·5	+ 1·2	90	+ 12	22·5	19·2	42·2	541	4·8	9·2
15	1006·7	− 3·0	26·1	20·0	6·1	22·5	+ 0·3	1·4	20·0	+ 1·8	86	+ 8	23·2	18·6	2·0	67	3·2	8·2
16	1003·5	− 6·3	26·2	18·8	7·4	22·6	+ 0·4	1·5	20·0	+ 1·8	86	+ 8	23·2	17·0	1·8	20	4·2	6·9
17	1006·6	− 3·4	26·1	18·9	7·2	22·4	+ 0·3	1·5	19·8	+ 1·7	86	+ 8	22·9	16·8	1·1	10	2·9	7·4
18	1008·5	− 1·5	27·0	20·5	6·5	23·3	+ 1·3	1·5	20·7	+ 2·7	86	+ 8	24·2	18·8	5·8	50	3·2	7·4
19	1010·0	− 0·1	25·8	20·1	5·7	22·7	+ 0·7	1·1	20·8	+ 2·8	89	+ 11	24·4	19·2	2·7	50	1·8	8·2
20	1010·6	+ 0·4	26·0	20·1	5·9	22·7	+ 0·8	1·2	20·6	+ 2·6	87	+ 9	23·9	18·6	3·2	35	3·1	8·4
21	1011·5	+ 1·2	26·0	21·0	5·0	22·9	+ 1·0	1·9	19·6	+ 1·6	82	+ 4	22·6	19·0	0·9	20	4·2	6·5
22	1012·3	+ 2·0	25·0	20·0	5·0	22·0	+ 0·2	1·6	19·2	+ 1·3	84	+ 6	22·1	18·0	6·4	80	3·5	7·4
23	1010·2	− 0·2	24·1	19·8	4·3	21·4	− 0·4	1·6	18·6	+ 0·7	85	+ 7	21·2	18·0	1·9	50	3·0	7·4
24	1009·2	− 1·2	25·4	18·8	6·6	21·9	+ 0·2	2·3	17·8	0·0	78	0	20·2	17·8	0·0	...	2·5	5·0
25	1010·6	+ 0·1	23·2	19·8	3·4	21·2	− 0·5	0·9	19·6	+ 1·8	91	+ 13	22·6	18·9	28·4	90	4·1	9·1
26	1012·6	+ 2·0	25·8	20·3	5·5	22·3	+ 0·7	1·6	19·5	+ 2·0	84	+ 6	22·5	19·0	6·9	45	3·4	9·4
27	1012·2	+ 1·6	24·9	19·4	5·5	22·6	+ 1·0	1·9	19·3	+ 1·8	82	+ 4	22·2	20·6	12·3	65	3·3	9·6
28	1011·7	+ 1·0	25·2	21·1	4·1	22·7	+ 1·2	2·0	19·2	+ 1·8	81	+ 3	22·1	20·0	1·7	25	3·4	9·0
29	1012·5	+ 1·8	25·2	20·4	4·8	22·4	+ 0·9	2·9	17·3	− 0·1	73	− 5	19·6	18·8	0·7	8	4·4	4·7
30	1012·7	+ 1·9	25·1	19·9	5·2	22·0	+ 0·6	2·4	17·8	+ 0·5	77	− 1	20·2	18·0	5·4	69	4·5	6·1
31	1013·6	+ 2·8	24·1	17·3	6·8	21·1	− 0·3	2·1	17·4	+ 0·1	79	+ 1	19·7	18·2	7·8	81	4·7	6·7
Mean	1011·1	+ 1·3	25·8	19·8	6·0	22·5	+ 0·3	1·9	19·1	+ 0·8	81·6	+ 3·2	22·0	18·7	Sum 196·1	Sum 1653	4·3	6·5
Aver.	1009·8	...	25·9	19·1	6·8	22·2	...	2·3	18·3	...	78·4	...	20·8	15·7	95·4	1340	3·8	4·8
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF MAY 1934.

The first fifteen days of the month well-marked anticyclonic conditions prevailed. The month was abnormally wet; rain was recorded on 27 days, but the more important fall occurred on the 14th during the formation of a low pressure area between Réunion and the coast of Madagascar; this low extended subsequently to as far as Rodrigues and remained almost stationary for about 6 days when it gradually filled up. From the time of its formation till its disappearance calm weather prevailed, humidity kept very high and the temperature above average.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MAY 1934.

Month and Day 1934.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather (0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h)
MAY	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	10·2	90	2·3	+ 1·0	25·5	26·1	25·9	24·3	c : bc : b .
2	9·9	88	3·2	− 0·1	25·6	26·1	25·9	25·3	b : bc : cd$_0$: bc . b .
3	9·2	82	3·3	0·0	25·5	26·1	25·9	25·6	b : bcd$_0$: b .
4	9·9	88	4·1	+ 0·8	25·4	26·1	25·9	25·6	bcd$_0$: c : bcd$_0$: bc .
5	2·6	23	4·6	+ 1·3	25·5	26·2	25·9	25·5	cdd : cr$_0$r$_0$: or$_0$: bc : b : bd$_0$.
6	8·6	76	3·6	+ 0·3	25·4	26·0	25·9	25·1	bc : b : c : bc : b .
7	8·5	75	2·9	− 0·4	25·4	26·1	25·8	25·0	b : cd$_0$: bc . b .
8	5·7	50	3·4	+ 0·1	25·4	26·2	25·7	24·9	b : cr : c ; bc : b .
9	8·8	78	2·3	− 1·0	25·4	26·0	25·6	24·9	bd$_0$: bc : cd : bc : bd$_0$.
10	4·2	37	1·8	− 1·5	25·4	26·1	25·5	24·9	bc : od : c : cd : o : cd$_0$.
11	4·9	44	1·6	− 1·7	25·4	26·0	25·5	24·9	bd$_0$: c ; oRR : cd$_0$.
12	9·0	80	2·4	− 0·9	25·5	26·1	25·4	24·5	bc : b : bo .
13	9·7	87	3·9	+ 0·6	25·4	25·9	25·3	24·7	b ; bc : b : cd .
14	2·6	23	4·7	+ 1·4	25·3	25·9	25·2	24·7	bc : or$_0$: ogr : oRR .
15	3·5	31	2·6	− 0·7	25·3	25·9	25·1	24·2	or$_0$: cr$_0$: ogr$_0$: c : bc : b .
16	7·4	67	1·9	− 1·4	25·5	25·9	25·0	24·3	cr$_0$: bc : c : bc : c : bc .
17	5·0	45	1·9	− 1·3	25·5	25·9	25·0	24·7	b ; bcd$_0$: c : o : cr$_0$.
18	6·5	59	2·3	− 0·9	25·4	25·9	25·0	24·8	cr$_0$: c : bc : bc .
19	1·0	9	1·4	− 1·8	25·4	25·9	25·1	24·9	bc : c : cr : c : cr$_0$; c .
20	3·9	35	2·0	− 1·2	25·4	25·9	25·1	24·9	cr$_0$: bc : c : o : or .
21	5·8	52	3·9	+ 0·7	25·3	25·8	25·2	24·9	cd$_0$: bc : c : cr$_0$: c : bc .
22	2·3	21	3·3	+ 0·1	25·3	25·7	25·2	24·9	bc : bc : cg : cr : o : orr .
23	3·9	35	3·2	0·0	25·4	25·6	25·1	24·4	bc : cr$_0$: bc .
24	5·0	45	2·8	− 0·4	25·3	25·9	25·0	24·3	b : bc : c : bc .
25	0·0	0·0	1·6	− 1·6	25·4	25·7	24·9	24·0	bc : oR : c : og : ogr : o : or .
26	0·9	8	3·2	0·0	25·3	25·7	24·8	23·8	or : c : or : og : c : o .
27	0·1	1	4·2	+ 1·0	25·3	25·7	24·7	24·2	or : o : or : o : c .
28	1·9	2	4·4	+ 1·2	25·3	25·7	24·5	23·7	c : cr$_0$: c : o : or$_0$.
29	9·2	84	4·3	+ 1·1	25·3	25·5	24·4	23·7	c : bc : bcr$_0$: bc : bcd .
30	7·3	66	4·6	+ 1·3	25·3	25·5	24·4	23·7	bcd$_0$: c : bcr$_0$: bcQr$_0$. c : cr .
31	5·4	49	4·5	+ 1·2	25·3	25·5	24·4	23·6	od : cr : bc .
Mean	5·58	49·4	3·10	− ·16	25·39	25·89	25·24	24·61	.....
Average	7·39	66·4	3·26	...	25·61	26·29	25·51	25·03	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MAY 1934.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1015·1mbs	at	22.00h. 23.00h.	on 21st	1002·1mbs	at	14.00hrs. 15.00hrs.	on 16th
Temperature of the Air	27·8°C	at	12.40h.	on 1st	17·1°C	at	05.10hrs	on 7th
Daily range of temperature of the Air ...	9·2°C		...	on 7th	3·4°C		.	on 25th
Temperature of the Dew Point	21·7°C	at	10.00h.	on 15th & 16th	13·3°C	at	23·00hrs.	on 31st
Daily range of temperature of the Dew Point	5·3°C		...	on 11th	1·4°C		...	on 1st
Minimum on Grass	...		...	...	15·2°C		...	on 7th
Relative humidity	98·7%	at	08.00hrs.	on 25th	57·2%	at	14.00hrs	on 3rd
Vapour Pressure	25·7mbs.	at	10.00hrs.	on 15th & 16th	15·1mbs.	at	23.00hrs.	on 31st
Wind Velocity	8·0m.p.s.	at	13.00h.	on 31st	0·6mps		often	...
Rainfall in 24 hours	27·0mms	ending	14·00hrs	on 11th	...		...	...
Evaporation in 24 hours...	9·6mms		...	on 3rd	1·8mms		...	on 19th
Duration of sunshine	10·2hrs		...	on 1st	0·0hr		...	on 25th

Mean Day Temperature of Air, 23·77°C. Average 24·08°C. Mean Night Temperature of Air, 21·21°C. Average 20·58°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	3	12	16	...	8	8	6	2	3	...	...

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 1934.

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	091	126	139	134	135	134	143	137	130	117	113	118	126	124	102	048	Midnight
1h	091	128	135	132	131	131	140	131	128	112	111	111	122	120	096	041	1h
2	090	124	130	130	130	130	136	129	123	110	108	108	120	116	091	040	2
3	091	121	129	129	123	130	131	123	122	106	101	100	119	114	080	036	3
4	090	121	129	125	121	130	130	126	121	105	100	100	120	111	076	030	4
5	089	120	129	122	121	130	130	125	122	106	100	100	120	110	071	030	5
6	091	128	130	127	127	133	131	128	125	108	102	102	122	110	072	031	6
7	100	131	135	134	130	140	136	131	129	112	110	109	130	113	079	034	7
8	107	136	140	139	139	148	141	140	131	120	111	112	130	120	080	039	8
9	110	138	140	143	143	150	147	147	133	121	118	118	131	120	081	040	9
10	112	139	140	142	147	150	142	145	133	131	119	119	133	122	080	040	10
11	110	136	138	140	141	142	140	139	130	120	114	116	130	120	078	039	11
Noon	105	130	131	132	136	139	132	130	120	114	108	110	122	112	070	030	Noon
13h	104	125	124	128	130	131	123	121	110	110	100	102	115	100	060	027	13h
14	101	120	120	121	125	128	120	112	102	101	096	100	110	095	052	021	14
15	100	120	120	120	126	124	130	114	101	100	093	100	110	091	050	021	15
16	101	120	120	120	129	127	120	111	101	100	095	100	110	091	050	022	16
17	107	123	121	120	130	130	121	114	103	103	099	102	111	091	050	027	17
18	110	126	124	126	130	134	126	121	108	109	100	110	116	097	051	030	18
19	112	129	130	130	132	139	131	126	110	114	111	116	121	100	051	038	19
20	120	138	133	132	137	141	136	132	115	120	118	121	126	104	053	042	20
21	128	140	137	135	138	144	140	137	120	121	125	128	129	105	057	046	21
22	129	140	138	139	139	148	141	137	120	120	126	129	128	103	053	049	22
23	129	140	136	138	139	147	140	131	120	120	123	129	124	108	050	049	23

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
Midnight	047	084	098	113	111	120	122	097	093	121	139	121	121	131	136	1011·5	Midnight
1h	046	080	094	111	110	120	112	096	092	120	136	120	120	129	133	1011·2	1h
2	047	076	091	110	108	120	113	081	091	119	132	116	115	122	130	1010·9	2
3	046	071	089	102	104	120	110	090	090	113	130	113	113	120	129	1010·6	3
4	045	070	089	101	102	117	110	087	089	111	122	111	112	120	130	1010·5	4
5	046	071	089	101	102	115	110	081	090	116	121	111	113	120	131	1010·5	5
6	050	078	092	102	110	121	110	080	100	122	122	111	120	121	131	1010·7	6
7	060	082	100	110	114	129	111	090	100	129	127	119	128	126	138	1011·3	7
8	069	090	103	117	122	132	113	097	105	130	136	121	132	130	141	1011·8	8
9	072	096	110	120	121	137	120	100	113	136	143	129	139	136	146	1012·2	9
10	076	098	110	115	126	137	119	103	120	140	141	130	141	136	143	1012·3	10
11	071	093	107	107	118	131	107	101	118	134	139	130	139	131	139	1011·9	11
Noon	069	087	101	102	110	128	100	098	110	123	130	121	130	129	136	1011·3	Noon
13h	066	080	096	096	107	126	091	091	102	120	115	113	122	120	131	1010·6	13h
14	060	077	090	093	102	115	082	084	100	116	102	109	118	117	126	1010·0	14
15	061	074	090	091	108	109	085	084	100	116	101	108	115	119	123	1010·0	15
16	063	076	090	093	110	111	083	086	101	116	103	108	116	119	125	1010·0	16
17	070	080	094	100	116	112	090	087	107	120	106	110	118	120	130	1010·4	17
18	073	088	100	101	120	118	090	087	110	125	107	111	121	122	131	1010·7	18
19	079	090	107	104	121	123	093	090	111	130	110	118	127	130	138	1011·2	19
20	080	090	111	111	129	129	094	095	120	134	113	120	130	132	140	1011·6	20
21	086	100	115	116	130	130	098	101	126	140	120	125	131	138	150	1012·0	21
22	090	100	117	113	129	130	097	101	125	140	121	122	133	140	151	1012·1	22
23	084	100	116	111	122	126	097	100	123	141	124	121	135	139	151	1012·0	23

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

Hour. \ Day.	MAY 1934.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	9	2	1	5	9	5	1	2	2	5	1	5	3	7	10	8	2	10	4	9	8	2	8	3	6	10	10	9	8	3	10	5·7
1h	9	2	1	6	10	6	1	1	3	6	1	4	2	6	10	10	2	10	5	10	8	2	7	2	6	10	10	10	9	2	10	5·8
2	8	2	1	8	9	6	2	3	1	9	1	2	1	6	10	8	2	7	5	8	6	3	7	3	7	10	10	9	8	3	10	5·7
3	7	3	1	8	8	6	1	5	2	9	1	1	1	8	10	4	3	3	7	7	4	2	5	2	9	9	9	9	7	3	10	5·3
4	6	3	1	8	9	6	2	5	2	9	1	1	1	10	10	4	3	3	8	8	3	2	6	1	10	9	9	8	7	2	9	5·3
5	6	7	2	5	9	7	2	6	2	10	2	1	4	10	9	5	4	9	8	8	3	2	6	1	10	9	10	10	5	3	9	5·9
6	4	9	2	4	10	7	2	10	2	10	2	1	8	9	9	9	6	9	7	7	6	8	7	1	10	10	10	9	4	3	9	6·6
7	4	9	2	4	10	7	2	4	2	10	2	1	6	9	9	9	7	9	7	6	7	9	8	4	9	10	10	8	3	4	9	6·5
8	5	6	2	4	9	2	10	10	4	9	2	2	4	9	9	9	8	9	7	6	7	10	6	5	8	10	10	8	2	10	9	6·8
9	5	8	3	6	10	2	3	10	7	7	1	2	3	5	9	9	8	9	10	8	8	10	9	5	8	10	10	9	5	10	7	7·0
10	6	6	4	3	9	6	6	9	8	7	3	4	6	10	10	5	8	9	9	10	6	10	8	7	10	10	10	7	7	9	9	7·4
11	6	6	6	5	10	8	7	8	8	8	4	4	5	10	9	6	8	8	9	8	8	7	8	8	10	10	10	8	6	6	8	7·5
Noon	6	6	6	6	10	8	8	8	8	9	5	4	5	10	9	6	10	7	9	7	9	7	7	9	9	9	10	9	5	6	7	7·6
13h	6	6	6	6	10	7	5	7	6	9	8	4	5	10	9	6	10	8	9	7	9	9	7	9	10	8	10	9	5	5	7	7·5
14	6	5	6	5	10	6	4	7	5	10	10	4	6	10	9	7	10	8	9	9	9	9	7	9	10	8	10	9	4	4	5	7·4
15	5	4	7	6	9	5	4	6	4	9	9	6	5	10	9	8	10	8	9	9	10	10	10	9	10	7	9	9	4	5	3	7·4
16	5	4	7	6	5	2	4	6	4	9	9	5	5	10	9	8	10	8	9	9	9	10	8	8	10	7	9	9	4	5	4	7·0
17	2	2	5	4	3	2	3	6	4	10	9	5	6	10	9	9	10	9	9	10	7	7	9	6	10	10	9	10	4	7	5	6·8
18	2	1	3	4	3	1	2	6	4	10	9	5	7	10	9	9	10	9	9	10	8	7	9	5	9	10	9	10	4	8	6	6·7
19	2	1	3	4	3	1	2	4	4	10	9	5	5	10	9	9	10	9	9	10	8	7	9	4	9	10	9	10	4	9	6	6·6
20	3	1	2	2	4	1	3	4	3	10	9	5	2	10	5	7	9	4	9	10	5	10	7	3	10	10	9	10	3	9	4	5·9
21	3	1	2	2	4	2	3	3	2	9	9	6	2	10	2	5	8	3	9	8	3	10	6	4	10	10	9	10	3	9	3	5·5
22	3	1	3	4	4	2	3	2	3	8	9	4	5	10	2	4	8	4	9	9	4	10	6	4	10	10	9	10	2	8	3	5·6
23	3	1	3	4	4	1	2	1	2	5	9	4	8	10	2	4	8	4	9	8	3	10	5	7	10	10	10	8	2	9	2	5·4

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

Hour Ending. \ Day.	MAY 1934.																															
	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	10	0	0	5	0	0	0	0	15	20	15	12	0	0	0	0	4	0	0	7	0	0	0	3	0	0	0	0	0	0	0	1·5
8	60	50	35	53	4	59	5	2	57	55	60	60	45	3	20	29	54	26	0	25	25	0	26	40	0	0	0	0	50	50	5	15·0
9	60	42	55	50	0	55	60	0	48	48	60	60	60	55	56	48	50	34	0	17	53	0	40	53	0	0	0	0	55	10	11	18·0
10	60	60	60	60	13	53	60	31	55	40	60	56	60	36	18	50	60	55	22	39	42	0	13	34	0	0	0	30	60	35	5	19·4
11	58	60	46	60	30	31	43	37	59	14	45	58	60	20	25	55	40	48	18	0	60	20	26	50	0	0	0	40	55	50	34	19·0
Noon	60	60	48	60	30	55	55	47	35	40	40	60	60	24	6	56	30	54	6	34	44	30	35	45	0	0	2	20	35	50	55	19·6
13h	60	60	55	60	37	43	55	39	18	8	8	60	57	5	27	60	10	50	1	40	31	34	30	0	0	13	7	0	60	45	54	17·1
14	50	60	58	60	33	53	60	40	60	5	0	60	60	9	22	55	31	20	5	31	39	7	45	14	0	25	0	10	60	60	50	18·0
15	57	60	55	54	10	58	55	60	60	25	7	55	60	3	35	30	22	37	6	35	35	5	10	20	0	2	0	12	60	55	45	17·1
16	50	60	57	54	0	58	59	60	60	0	0	12	60	0	0	38	0	42	0	6	5	20	0	20	0	7	0	0	60	55	47	13·9
17	60	60	60	58	0	50	58	27	55	0	0	44	53	0	3	20	0	26	0	0	16	15	9	20	0	7	0	0	55	27	17	12·3
18	25	25	20	18	0	0	0	0	4	0	0	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1·6
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	0·0

The total Amount of Registered Sunshine was 172.8 hrs. and the total possible sunshine was 345·4 hrs.

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

(To obtain temperatures on the Absolute Scale add 273)

MAY 1934.

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

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

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

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

MAY 1934.

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

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during MAY 1934.

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

The Velocities are given in Metres per second, using the factor 2 2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

MAY 1934.

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	09	1·0	10	1·4	11	1·7	11	3·5	11	2·3	10	4·3	09	1·7	09	2·8	06	1·7	11	1·1	16	1·4	14	0·8	12	2·3	11	2·8	11	4·0	11	1·4
1h	09	1·7	12	1·6	11	2·2	11	2·9	11	2·9	10	3·5	09	1·6	09	2·6	06	1·4	11	1·8	16	2·1	14	1·1	12	2·9	11	2·5	11	3·0	10	1·4
2	09	1·8	13	1·9	11	2·5	11	3·7	10	4·7	10	3·8	09	1·9	09	3·0	06	1·2	11	1·6	12	2·1	14	1·1	12	2·6	10	3·1	10	1·7	d23	1·8
3	12	2·4	12	2·3	11	2·2	11	2·8	11	2·9	10	2·6	09	1·1	09	3·2	07	1·4	11	2·1	12	1·8	14	1·2	12	2·5	10	3·0	10	2·0	20	1·3
4	12	1·1	12	2·8	11	1·6	12	4·0	11	3·6	12	3·0	09	1·1	08	3·9	07	1·8	06	1·0	12	1·8	14	0·8	12	2·7	09	3·7	10	2·2	13	0·8
5	12	1·7	11	2·6	11	2·1	10	4·0	11	3·4	12	3·4	09	1·0	09	2·6	08	1·9	12	0·7	12	1·4	14	0·6	11	2·2	10	2·8	10	2·1	13	0·6
6	12	1·8	11	2·9	11	2·0	11	3·1	12	3·6	11	3·6	09	1·3	09	3·0	08	2·3	12	2·2	12	2·0	14	0·6	12	3·9	09	5·2	09	1·3	13	0·9
7	12	1·8	12	3·0	11	1·8	09	4·1	12	3·5	10	4·0	09	1·3	08	3·2	08	1·3	12	1·2	12	2·0	14	0·6	12	2·5	11	4·8	09	1·7	13	1·1
8	12	1·6	10	3·5	11	2·4	10	3·9	12	4·5	10	3·7	06	1·7	10	4·5	08	1·6	12	1·1	12	0·7	14	1·2	11	3·6	08	3·9	08	1·7	13	0·7
9	10	3·8	09	3·9	11	3·1	11	5·6	07	5·6	10	5·2	07	3·5	11	4·2	06	3·3	07	1·8	12	0·9	11	3·0	10	4·4	08	4·4	06	3·1	17	1·8
10	11	3·8	09	4·7	10	5·0	12	5·3	09	4·6	10	5·9	08	4·1	09	5·1	05	4·5	06	2·1	12	0·7	10	3·8	10	5·1	09	4·6	06	3·1	d29	1·7
11	12	3·3	08	4·6	10	4·5	10	5·2	07	5·6	09	5·6	07	4·5	08	4·5	06	4·2	07	3·0	09	1·1	09	4·2	09	6·3	09	5·6	07	3·3	28	2·6
Noon	11	3·3	07	5·2	10	4·9	11	5·9	10	4·7	08	5·3	07	4·6	06	5·8	06	3·4	07	3·2	r28	2·2	09	3·9	12	6·4	09	6·4	04	4·2	26	3·3
13h	08	2·6	08	4·9	10	4·8	11	5·3	10	6·8	08	5·1	08	5·1	07	5·1	05	4·4	08	2·4	29	2·1	09	4·1	12	6·0	09	5·7	05	4·0	22	4·0
14	08	3·7	08	4·7	10	5·4	10	5·9	12	6·5	10	4·7	08	5·5	07	4·7	06	4·7	11	2·5	r05	3·1	12	4·2	12	6·1	10	6·2	05	4·0	25	4·0
15	11	3·7	08	5·2	09	4·6	12	6·0	10	5·1	07	4·7	07	5·3	06	5·0	05	3·6	07	2·0	04	1·7	11	3·9	13	6·1	08	6·4	07	3·3	24	3·9
16	10	3·7	11	4·8	11	5·6	10	5·0	10	4·0	08	4·5	06	4·4	06	4·4	06	3·5	d15	2·6	d14	2·9	10	3·6	13	5·3	10	5·5	04	4·1	24	2·9
17	11	3·4	10	4·2	10	4·6	11	4·6	10	4·0	10	3·5	09	4·2	08	3·0	06	2·4	19	2·7	14	1·2	12	3·9	12	4·3	10	5·9	06	2·8	23	2·4
18	11	2·2	11	2·5	10	3·8	11	3·2	10	5·2	09	2·8	08	2·5	08	2·1	06	1·5	20	1·8	14	1·3	11	2·7	13	2·6	11	4·5	07	2·6	22	1·8
19	11	1·7	11	2·4	11	2·1	11	3·3	10	5·2	09	2·1	08	2·2	08	2·2	06	1·1	20	1·2	14	1·5	11	2·3	13	2·8	08	5·7	09	2·1	21	0·6
20	11	1·7	11	2·7	11	2·3	12	2·9	09	5·3	09	1·7	08	2·8	08	2·2	06	1·2	20	0·6	14	0·9	11	2·5	13	3·5	10	5·4	09	1·4	21	1·6
21	11	1·4	11	2·1	11	3·0	12	3·2	10	6·7	09	1·8	08	2·6	08	1·9	11	1·0	20	0·7	14	0·7	11	2·3	13	2·6	09	4·9	11	2·1	21	1·3
22	11	1·1	11	2·1	09	3·3	11	3·2	09	5·5	09	2·1	08	2·6	09	1·8	11	1·0	20	1·0	14	1·0	12	1·4	14	3·5	09	4·1	11	1·8	21	1·3
23	11	1·1	11	2·0	11	3·4	12	3·4	10	3·0	09	1·8	09	2·4	09	1·6	11	1·1	16	1·7	14	1·1	12	2·0	13	3·0	09	4·6	11	1·5	21	1·4

Hour.	17d. *		18d.		19d.		20d.		21d		22d.		23d.		24d.		25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	21	1·6	08	2·9	10	1·4	10	1·6	08	4·4	09	3·1	11	2·4	06	2·3	12	1·8	07	1·9	10	1·1	09	3·7	10	3·8	10	3·1	09	4·3	2·4
1h	23	1·2	08	2·9	10	1·4	10	1·5	09	3·4	09	2·9	11	3·0	07	2·2	12	2·0	07	1·6	10	1·1	09	3·6	10	3·4	10	3·0	10	3·8	2·3
2	16	1·3	08	2·6	10	0·9	11	2·2	09	2·4	07	1·9	08	2·0	08	2·9	12	1·3	07	2·0	10	2·0	09	3·1	10	4·0	10	4·3	11	3·5	2·4
3	12	1·6	08	2·4	10	1·4	11	1·7	09	1·5	10	2·2	07	1·2	09	1·3	12	1·7	10	2·5	08	2·2	09	4·2	11	3·4	11	3·2	12	4·0	2·2
4	12	2·0	08	2·4	10	1·3	11	1·3	09	1·8	10	2·5	10	2·2	09	2·2	12	1·7	10	1·6	10	2·5	10	3·7	11	2·9	12	2·9	11	4·3	2·3
5	12	1·8	08	1·8	10	1·6	11	0·7	10	2·5	10	3·4	10	1·9	09	1·9	12	1·3	10	2·0	11	2·4	11	3·3	11	2·6	11	2·7	11	4·4	2·2
6	12	1·8	07	1·9	10	1·2	11	1·7	10	3·4	10	2·3	10	1·9	09	1·9	d30	2·8	11	2·6	10	3·5	09	4·1	11	2·6	11	3·0	10	3·9	2·5
7	12	1·5	07	2·1	10	1·1	11	1·1	08	3·4	10	3·0	10	2·4	09	2·0	d11	1·3	11	2·8	09	4·4	10	2·2	11	2·7	10	3·2	10	4·7	2·4
8	12	1·2	08	2·2	10	1·1	11	1·0	09	3·6	10	3·0	10	2·5	08	2·4	11	2·2	11	2·8	08	3·9	10	3·1	10	4·4	08	4·1	11	4·9	2·7
9	12	0·6	07	2·6	10	0·9	11	1·5	08	4·7	09	3·1	08	4·2	06	4·5	10	2·1	09	3·7	08	4·9	09	3·7	10	5·3	10	4·1	10	3·9	3·4
10	r01	1·1	05	2·9	10	1·2	09	2·1	09	5·8	08	4·6	07	4·6	05	5·0	07	2·4	06	4·0	08	5·3	09	5·3	10	6·2	10	6·2	10	5·4	4·1
11	r21	1·7	04	3·1	06	1·5	07	1·9	06	5·9	08	4·9	06	5·7	05	5·6	08	1·9	06	4·2	08	4·7	08	6·4	11	6·2	11	6·2	10	5·9	4·3
Noon	d29	2·0	03	2·6	05	2·0	09	1·5	07	5·3	10	4·9	06	5·9	05	4·6	08	0·7	08	4·6	07	5·6	10	6·3	09	6·9	09	6·5	10	6·9	4·5
13h	04	1·9	03	2·9	01	1·4	09	2·4	10	5·4	09	4·4	06	5·3	06	4·3	04	1·8	09	5·8	08	0·6	09	6·3	09	7·3	10	6·5	10	8·0	4·6
14	02	2·5	03	3·2	01	1·8	07	2·8	09	5·2	10	3·8	05	5·2	07	4·0	05	1·8	08	5·1	09	6·7	09	6·0	10	6·3	11	7·4	09	6·3	4·7
15	08	2·5	04	3·2	01	2·0	11	3·4	10	4·7	09	4·7	08	3·0	05	3·5	06	1·0	07	4·6	08	6·6	09	5·8	10	6·3	09	7·3	10	7·0	4·4
16	08	2·0	02	3·1	03	1·8	10	2·4	11	3·7	09	5·3	07	3·9	05	3·2	06	2·2	09	5·2	10	5·0	10	5·5	10	5·9	10	6·5	10	6·4	4·2
17	08	1·9	04	2·8	03	0·7	10	3·2	09	4·3	10	4·7	11	3·1	06	3·1	06	1·4	09	3·1	09	5·0	10	5·1	11	4·1	09	6·0	10	5·1	3·6
18	08	1·2	04	1·3	03	1·1	12	1·7	09	3·6	09	3·6	09	2·6	06	1·6	06	1·4	09	1·8	09	4·4	10	4·0	11	2·5	10	4·6	11	3·6	2·7
19	10	2·7	04	1·1	03	1·3	12	0·7	10	3·2	08	2·0	11	2·5	06	1·6	06	0·9	09	2·9	09	3·6	10	4·1	11	2·2	10	4·3	10	3·8	2·4
20	11	2·8	04	1·5	06	1·3	12	1·8	10	4·4	11	2·1	08	3·5	06	1·3	06	1·1	09	3·8	10	4·2	09	4·3	11	3·0	10	3·6	10	3·7	2·6
21	11	3·0	10	1·9	10	1·3	09	2·3	11	3·2	10	2·4	08	3·2	06	1·3	06	1·6	09	4·0	09	4·5	11	3·9	11	3·2	10	4·2	12	2·7	2·6
22	10	2·4	10	1·5	09	1·1	09	3·1	11	3·1	11	2·5	06	2·6	08	2·2	06	1·1	09	3·0	09	4·7	11	3·5	11	4·1	09	4·1	12	2·2	2·5
23	09	2·9	10	1·3	09	1·2	09	3·1	09	3·8	10	2·6	08	2·2	09	1·7	07	1·5	09	1·3	08	4·3	10	3·7	11	3·3	10	3·4	12	1·8	2·4

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), MAY, 1934.

Hour	Force (0–12): 8 or above	4 to 7	0 to 3	Direction: N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	...	31	...	...	...	...	9	6	14	1	...	...	1	...	...	...	...	...
9	...	2	29	...	...	...	3	12	8	7	...	1	...	...	...	...	...	...	...
15	...	8	23	1	...	4	2	14	4	5	...	...	...	...	...	1	...	...	...
21	...	1	30	...	...	...	1	9	5	13	1	...	...	2	...	...	...	...	...
Totals	...			1	...	4	6	44	23	39	2	1	...	3	...	1	...	...	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MAY 1934.

Hour \ Day	1st	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12th	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23rd	24d	25d	26th	27d	28d	29d	30d	31st
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
1h	...	...	...	0·2	0·9	...	...	...	0·2	...	...	...	...	...	0·2	...	...	1·5	...	...	0·2	...	...	...	...	...	...	...	...	...	0·1
2	...	...	...	0·3	1·6	...	...	...	...	...	...	...	...	...	0·4	1·8	...	0·1	...	1·0	...	...	...	...	...	0·9	2·0	...	...	0·1	0·1
3	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4	...	...	...	...	...	...	...	1·0	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	0·5
5	...	...	...	...	...	...	...	2·0	...	...	...	...	...	...	0·1	...	...	1·0	...	...	...	...	...	...	...	...	...	0·5	...	0·1	...
6	...	...	...	...	0·2	...	3·1	...	...	0·4	0·1	...	...	1·0	...	...	...	2·8	...	...	...	...	...	...	12·7	...	...	0·5	...	...	0·1
7	...	0·1	...	0·2	0·3	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	12·5	5·0	0·1	...	...	...	0·1
8	...	...	...	0·2	0·3	...	0·2	0·2	...	...	...	...	...	2·3	0·2	...	...	...	...	...	...	...	...	...	0·4	...	0·3	...	...	...	...
9	...	...	...	...	1·9	...	...	4·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	0·5
10	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	1·1	...	...	...	...	...	...	...	0·1	...	...	...	8·5	...	...	0·5	5·5
11	...	...	...	...	0·5	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	0·9	...	...	...	1·4	...	0·5	...	0·5
Noon	...	...	...	...	3·3	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	0·1	...	...	...	...	...	...	0·2	...	...	...	1·9	...	...	...	...	2·0	...	...	0·3	...	...	...	...	...	...	...	1·0	...
14	...	...	...	...	...	...	...	...	...	0·1	27·0	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...
15	...	...	...	...	1·4	...	...	...	...	...	11·9	...	...	1·6	...	...	...	...	...	...	0·6	0·5	0·3	...	1·7	...	...	...	...	...	...
16	...	...	...	...	1·0	...	...	...	...	...	0·7	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	0·6	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4
18	...	...	...	...	...	...	...	...	...	...	0·2	...	...	9·7	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	3·7	...	...	...	...	...	...	...	0·8	0·4	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	5·0	...	...	...	...	...	2·0	...	0·9	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	0·1	...	...	...	...	4·5	...	...	...	...	0·7	...	...	0·2	...	...	0·1	...	...	0·7	...	...	...
22	...	...	...	...	...	...	...	...	...	...	0·2	...	0·8	4·2	...	...	...	...	...	0·2	...	1·5	...	...	...	...	...	...	0·2	0·5	...
23	...	...	...	...	0·1	...	...	0·1	...	0·2	...	...	...	3·4	...	...	...	...	...	...	...	1·7	...	...	0·5	...	...	...	...	1·0	...
24	...	...	...	0·2	0·1	...	...	...	...	...	0·2	...	...	1·5	...	...	1·0	...	...	...	...	...	...	...	0·5	...	...	...	...	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 MAY 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	10·23	259·8	160·0	22
*	St. Antoine	50	9·43	239·5	112·0	22
*	Belmont	50	9·19	233·4	113·0	23
*	Poudre d'Or	20	10·85	275·6	107·2	23
	Mon Loisir S. E.	300	8·23	209·0	150·6	25
	Forbach	300	...	...	117·1	...
*	Couroupa	...	9·12	231·6	191·3	25
*	Labourdonnais	290	12·60	320·0	124·5	24
	Beau Séjour	300	11·37	288·8	155·7	28
	Mont Piton	650	11·60	294·6	143·3	27
	Mon Choix	700	13·79	350·3	131·6	25
	Antoinette	640	12·51	317·7	168·1	25
	Mon Songe	620	11·09	281·7	159·8	19
	Botanical Gardens ...	325	13·60	345·4	116·1	30
*	The Observatory	179	7·71	295·9	99·6	27
	Solitude	175	9·40	238·8	93·0	21
	St. André	90	...	...	105·2	...
	La Nicolière	...	16·43	417·3	...	27
2 & 3	Union Régnard S.E. (Flacq)	600	12·11	307·6	194·6	22
	Constance d'Arifat L.G. ...	100	11·11	282·2	148·1	25
	Rich Fund	600	17·65	448·3	221·2	28
	La Joffrette	...	16·07	408·2	...	23
	Belle Vue (Allendy) ...	...	12·11	305·0	193·5	27
4 *	Sans Souci	900	19·57	497·1	350·5	28
	Beau Champ (G.R.S.E.) ..	20	14·04	356·6	148·8	25
	Olivia	400	10·99	279·1	261·6	27
	Trois Ilots	...	13·94	354·1	...	27
	Belle Rive	400	15·19	385·8	...	29
	Sébastopol	700	16·35	415·3	...	27
	Bonne Veine	400	20·89	530·6	357·7	27
5	Rose Belle	850	18·63	473·2	...	28
	New Grove	650	16·31	414·3	...	26
	Mon Trésor	...	13·53	343·7	...	23
	Mon Désert (Carié) ...	75	11·08	281·4	163·3	24
	Ferney	20	16·19	411·2	240·8	28
	Sauve Terre	...	11·51	292·3	..	16
6	Tivoli	1,300	9·64	244·9	323·3	30
	La Flora	1,050	13·45	341·6	357·1	27
	Riche Bois (Brit.) ...	650	13·89	352·8	...	26
	Britannia (Estate) ...	700	13·32	338·3	268·0	27
6	Savannah (Mill) ...	200	10·15	257·8	174·0	19
	St. Aubin	300	13·07	332·0	174·0	24
	St. Avold	900	13·46	341·9	300·7	29
	Colmar	400	16·42	417·1	211·3	27
	Union S. E.	...	12·27	311·6	182·1	18
	Fontenelle	320	15·07	382·8	172·7	19
	Choisy	200	8·10	205·7	...	12
	Beau Bois	...	14·16	359·7	...	25
	Bel Air	...	11·73	296·9	..	14
	St. Félix	...	14·41	366·0	...	15
7,8,9&10	Bel Ombre	40	5·70	144·8	156·5	18
	Beau Champ (B. du Cap)	70	7·79	197·9	...	16
	Frélérica	...	9·17	232·9	...	18
	Pierre Fond	...	9·30	236·2	...	21
	Ste. Marie	...	9·62	244·3	...	17
	Hussonia Limited .	..	1·93	49·0	...	8
11	Curepipe Gardens ...	1,840	13·97	354·8	243·3	31
	Mare aux Vacoas (G.E.)	1,850	12·45	316·2	335·6	26
	Mare aux Vacoas (Arn.)	1,830	13·14	333·7	323·6	26
	La Marie Filter Bed ..	1,700	11·72	296·7	215·4	23
*	Sophie	...	12·17	308·8	...	24
	Réunion	1,420	9·74	247·4	164·1	26
*	Aerological Station ...	1,393	8·89	225·8	209·0	29
12	Quatre Bornes (Board) ...	1,090	6·79	172·5	...	16
*	Le Réduit (D. of A.) ...	1,000	6·70	170·2	91·4	30
	Alma	1,460	11·13	282·7	257·8	25
	Bagatelle	1,250	9·97	253·2	134·9	25
	Highlands	1,300	12·11	307·6	155·2	26
	Trianon	950	...	...	101·6	...
	Val Ory	1,100	...	...	113·8	...
	Bassin	...	7·52	191·0	...	20
	Hermitage	1,450	13·54	343·9	...	25
	Ebene	...	6·83	173·5	...	19
	Bega	...	8·45	214·6	...	19
	Mon Rêve	...	6·32	160·5	...	19
	Mont Pevril	...	7·58	192·5	...	20
	Minissy	1,150	8·65	219·7	135·1	19
	Plaisance	...	9·93	252·2	...	21
	La Ferme	350	5·62	142·7	...	13

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 1934.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	10¼	105	47·1	105	13·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	10	120	32·9	135	13·9	...	...	...	...	...	...	...	...	17¾	112	10·7*	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	131	12·1*	111	9·8*	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	17¼	117	13·7*	127	8·6*	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	14½	90	30·0	90	21·0	330	...	...	...	...	...	...	...
9	10	...	...	60	6·9	...	...	...	...	...	...	...	...	15	...	...	...	...	240	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	11¼	120	10·9	120	8·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	10	112*	16·7	97*	14·2	...	...	...	...	...	...	...	...	17½	119	11·7*	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	17¼	...	...	109	8·6*	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	285	5·2
15	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	15	11·0	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	278	20·1*	265	12·0	...	...	...	...	...	...	...	...
17	11¾	81	4·5*	80	5·1*	...	...	...	...	300	6·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	10	30	11·3	...	...	...	...	...	...	...	...	300	7·9	17½	...	...	...	...	294	4·9*	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	...	...	24	3·8*	...	...	...	...	294	1·8*	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	10¼	105	35·3	105	24·7	300	...	...	...	...	...	...	...	17¼	99	11·8*	...	...	...	...	...	...	...	...	274	3·3*
22	11¾	...	...	120	26·4	...	...	...	...	...	...	300	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	9½	99	18·4*	...	...	...	...	...	...	...	...	...	...	13½	84	23·1*	74	25·2*	84	...	...	...	...	...	294	2·9*
24	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	...	...	53	9·2*	...	...	...	...	353	0·9*	...	...
25	10	...	...	...	...	330	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	84	8·1*	114	13·2*	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	9½	90	15·1*	106	6·7*	84	3·0*	...	...	...	...	106	1·8*	15	...	...	105	15·4	315	...	...	...	...	...	...	...
29	11¼	114	21·8*	111	19·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	270	4·9
30	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	90	21·5	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	114	20·9*	119	9·0*	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JUNE, 1934

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

Director

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF JUNE 1934.

Month and Day. 1934	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force Unit 1 γ	Daily Range† Vertical Force. Unit 1 γ	Description of the Principal Magnetic Disturbances.
JUNE	′			′			
1	12°48·8	·22536	·29663	2·7	27	17	Declination. Positive pulse of 2′ at 19h. 45m. on 5d. A Negative wave of 4′.5 on 6d. 4h. 30m. At 21h. 30m. on 6d. a positive pulse of 3′. Register lost from 20d.—20h.
2	48·7	540	665	3·5	23	14	
3	48·9	545	664	4·0	25	15	Horizontal Force. Slightly disturbed on the 5d. and 6d. Small pulsations beginning on 4d. 22h. 40m. indicate the start of this disturbed period.
4	48·5	554	664	4·4	32	11	
5	48·6	524	670	4·6	63	14	One noteworthy negative peak (−30γ) at 19h. 30m. on 5d. A sharp-ve oscillation of −15γ at 21h. 40m. on 6d.
6	48·5	521	674	5·2	50	13	
7	48·9	535	672	3·8	31	9	Slightly disturbed on 11d at end and 12d.; commencing 11d.14h.00. Very slightly disturbed on second half of 18d.
8	49·1	538	673	3·5	23	13	
9	49·2	536	675	5·0	28	19	Register lost from 20d.20h. to the end of the month.
10	48·8	542	670	4·8	19	29	
11	49·1	541	675	2·5	23	11	Vertical Force. Minor pulsations at various times on 5d. 6d. and 12d. No noteworthy oscillations; the rest of the month was quiet
12	48·7	541	675	4·8	33	12	
13	48·5	538	676	3·0	24	15	
14	48·4	547	677	3·7	21	8	
15	48·6	539	675	3·5	26	21	
16	48·5	547	676	3·5	40	11	
17	48·6	543	680	4·0	30	14	
18	49·2	541	678	3·0	50	9	
19	48·9	538	679	3·2	37	10	
20	48·9	536	679	3·2	21	17	
21	..	...	677	...	...	12	
22	...	...	677	...	...	19	
23	...	...	675	...	...	16	
24	...	...	675	...	...	17	
25	...	...	677	...	...	14	
26	...	...	675	...	...	22	
27	...	...	677	...	...	12	
28	...	...	678	...	..	12	
29	...	...	682	...	...	10	
30	...	...	678	...	...	16	
...	...	...	...	...	...	...	
Mean	12°48·77	·22539	·29674	3·79	31·3	14·4	

T=·37263 : Mean Dip=52° 46′·87 : (X=·21978 : Y=−·04998 : Z=·29674).
† 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 1934.

Declination (West)		Horizontal Force		Dip (South)		
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
JUNE 8·11.13	12 49·57	JUNE 12·14·46	·22527	JUNE 8·11·58	52 46·18	·29675
8·15·27	12 45·73	13·11·10	·22542	8·15·05	52 47·28	·29665
15·15·47	12 46·73	13·14·18	·22536	19·14·39	52 46·07	·29653
19·11·19	12 49·76	26·11·51	·22572	21·12·15	52 45·25	...
21·11·57	12 48·57	26·14·45	·22542			

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

JUNE 1934

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	48·5	49·0	49·3	49·0	...	...	...	...	...	...	...	...	...	...	...	49·0	Midnight
1h	48·5	49·5	49·0	49·0	...	...	...	...	...	...	...	...	...	...	...	49·0	1h
2	48·0	49·0	47·5	49·0	...	...	...	...	...	...	...	...	...	...	...	48·8	2
3	48·3	48·7	48·5	48·7	...	...	...	...	...	...	...	...	...	...	...	48·7	3
4	48·5	48·5	48·5	48·7	...	...	...	...	...	...	...	...	...	...	...	48·7	4
5	48·5	48·5	48·0	48·7	...	...	...	...	...	...	...	...	...	...	...	48·5	5
6	48·5	48·5	48·5	49·0	...	...	...	...	...	...	...	...	...	...	...	48·5	6
7	47·5	48·0	48·0	48·5	...	...	...	...	...	...	...	...	...	...	...	47·6	7
8	47·3	47·5	48·5	49·3	...	...	...	...	...	...	...	...	...	...	...	47·7	8
9	48·5	48·5	49·5	50·0	...	...	...	...	...	...	...	...	...	...	...	48·6	9
10	50·0	49·5	50·0	50·3	...	...	...	...	...	...	...	...	...	...	...	49·4	10
11	50·5	49·5	50·5	50·4	...	...	...	...	...	...	...	...	...	...	...	49·7	11
Noon	49·5	50·3	50·5	49·8	...	...	...	...	...	...	...	...	...	...	...	49·5	Noon
13h	48·0	49·7	49·0	48·0	...	...	...	...	...	...	...	...	...	...	...	48·4	13h
14	45·5	49·5	48·0	47·5	...	...	...	...	...	...	...	...	...	...	...	47·7	14
15	47·0	49·0	47·3	47·3	...	...	...	...	...	...	...	...	...	...	...	47·2	15
16	47·5	48·5	47·5	47·2	...	...	...	...	...	...	...	...	...	...	...	47·3	16
17	48·5	49·0	49·0	48·5	...	...	...	...	...	...	...	...	...	...	...	48·6	17
18	49·5	49·5	49·5	49·5	...	...	...	...	...	...	...	...	...	...	...	49·5	18
19	49·7	49·7	49·7	49·8	...	...	...	...	...	...	...	...	...	...	...	49·7	19
20	49·5	50·0	49·7	49·7	...	...	...	...	...	...	...	...	...	...	...	49·8	20
21	49·3	50·5	49·8	49·0	...	...	...	...	...	...	...	...	...	...	...	49·7	21
22	48·5	50·0	49·5	48·5	...	...	...	...	...	...	...	...	...	...	...	49·4	22
23	49·2	49·5	49·5	48·5	...	...	...	...	...	...	...	...	...	...	...	49·5	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)

JUNE 1934.

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	523	527	528	545	553	490	517	532	528	537	538	535	528	540	533	530	Midnight
1h	525	530	533	543	547	497	520	530	525	534	538	538	529	543	540	533	1h
2	527	537	535	540	548	507	526	532	533	535	540	537	533	546	535	538	2
3	530	537	537	543	546	510	533	534	537	537	540	537	535	547	544	540	3
4	533	538	540	547	540	520	534	533	536	540	540	538	536	546	545	540	4
5	534	540	543	550	545	533	530	540	540	540	543	543	537	545	543	543	5
6	535	542	545	556	545	534	535	542	542	540	544	552	540	545	540	547	6
7	537	545	548	560	543	533	540	543	545	545	547	560	542	550	543	548	7
8	540	545	553	565	540	540	540	544	547	547	548	547	549	550	550	554	8
9	545	547	553	568	538	540	542	543	550	550	548	554	548	550	545	556	9
10	545	547	550	572	540	530	535	540	553	550	545	540	540	550	538	558	10
11	545	549	552	570	545	533	538	545	552	550	543	545	537	553	527	567	11
Noon	545	550	550	570	547	530	545	550	545	552	540	548	536	546	533	565	Noon
13h	550	545	553	568	540	537	548	540	537	551	547	540	540	550	550	565	13h
14	547	543	553	562	525	528	545	535	532	545	545	533	537	552	553	563	14
15	540	543	545	557	500	530	540	527	528	537	543	530	533	549	550	560	15
16	537	540	543	550	495	520	535	535	526	533	547	535	525	546	540	550	16
17	535	540	543	545	505	518	533	543	525	540	545	542	535	552	533	550	17
18	534	540	543	550	510	517	537	548	534	542	542	545	540	553	533	553	18
19	533	540	543	550	490	517	532	543	535	540	535	543	542	555	532	547	19
20	530	540	543	548	493	510	532	540	533	538	525	538	542	550	530	542	20
21	532	538	543	545	497	500	533	534	528	540	530	540	540	546	532	533	21
22	532	535	544	543	490	510	533	530	528	540	530	530	538	542	530	527	22
23	530	532	544	542	490	513	533	533	527	537	540	527	539	534	530	528	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	531	537	517	536	...	...	...	...	...	...	...	...	...	...	...	530·2	Midnight
1h	530	534	530	534	...	...	...	..	...	...	...	...	...	...	...	531·7	1h
2	538	532	541	536	...	...	...	...	..	...	...	...	...	...	...	534·8	2
3	545	540	533	537	...	...	...	...	...	...	...	...	...	...	...	537·1	3
4	545	542	530	536	...	...	...	...	...	...	...	...	...	...	...	537·9	4
5	547	545	535	537	...	...	...	...	...	...	...	..	...	...	...	540·7	5
6	552	547	537	537	...	...	...	...	...	...	...	...	...	...	...	542·9	6
7	555	555	540	540	...	...	...	...	...	...	...	...	...	...	...	546·0	7
8	558	562	545	548	...	...	...	...	...	...	...	...	...	...	...	548·6	8
9	557	567	550	545	...	...	...	...	...	...	...	...	...	...	...	549·8	9
10	556	566	553	546	...	...	...	...	...	...	...	...	...	...	...	547·7	10
11	550	563	554	545	...	..	...	...	...	...	...	...	...	...	...	548·2	11
Noon	547	555	545	545	...	...	...	...	...	...	...	...	...	...	...	547·2	Noon
13h	540	550	538	537	...	...	...	...	...	...	...	...	...	...	...	546·3	13h
14	535	547	533	534	...	...	...	...	...	...	...	...	...	...	...	542·4	14
15	528	540	534	527	...	...	...	...	...	...	...	...	...	...	...	537·1	15
16	529	535	533	527	...	..	...	...	...	...	...	...	...	...	...	534·1	16
17	535	530	533	533	...	...	...	...	...	..	...	...		...	...	535·8	17
18	538	538	535	535	...	...	...	...	...	...	...	...	...	...	...	538·4	18
19	529	533	535	530	...	..	...	...	...	...	...	...	...	...	...	535·2	19
20	543	530	536	527	...	...	...	...	...	...	...	...	...	...	...	533·5	20
21	547	517	536	530	...	...	...	...	...	...	...	...	...	...	...	532·1	21
22	548	518	534	530	...	...	...	...	..	...	...	...	...	...	...	530·6	22
23	540	518	533	535	...	...	...	...	...	...	...	...	...	...	...	530·3	23

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

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

JUNE, 1934

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	667	667	669	666	666	676	675	672	673	673	673	676	676	678	677	679	Midnight
1h	666	667	668	666	665	676	673	672	674	672	671	676	675	676	676	678	1h
2	665	666	666	667	666	675	673	673	673	672	671	675	675	675	676	677	2
3	666	666	667	666	665	674	673	673	674	673	672	675	675	675	675	676	3
4	666	666	666	665	665	671	672	673	674	673	672	675	674	675	675	675	4
5	666	666	666	665	665	670	674	674	675	674	672	675	676	676	675	675	5
6	667	666	665	665	665	667	673	674	675	675	673	675	676	676	675	675	6
7	664	665	664	663	664	667	672	673	673	673	672	672	675	675	674	673	7
8	665	665	665	664	666	670	672	676	676	675	675	676	677	677	675	672	8
9	665	666	666	665	673	674	673	677	681	676	677	679	671	680	679	672	9
10	665	666	666	663	678	673	671	678	684	674	678	680	681	680	681	675	10
11	663	666	666	661	677	672	672	676	681	670	679	677	680	680	680	677	11
Noon	657	666	665	660	675	672	671	673	678	661	675	672	678	679	678	677	Noon
13h	653	665	662	659	670	670	667	667	670	650	672	671	672	676	670	675	13h
14	651	661	658	657	665	675	669	665	665	647	670	669	667	672	660	673	14
15	651	655	655	658	665	676	667	666	665	651	670	668	666	672	660	670	15
16	653	656	654	662	666	677	670	669	669	662	673	672	669	673	665	669	16
17	660	661	657	666	670	680	675	673	674	670	678	676	674	676	672	673	17
18	664	665	661	668	670	679	676	676	676	674	670	678	678	677	676	676	18
19	666	666	664	667	673	678	676	676	677	675	680	678	678	678	678	677	19
20	667	666	665	666	675	678	675	677	677	676	680	679	679	678	680	677	20
21	668	667	666	666	675	678	674	677	677	675	680	677	679	679	680	680	21
22	668	667	666	666	675	677	673	676	675	675	679	676	680	680	680	680	22
23	668	669	667	666	676	676	672	675	675	673	681	677	680	680	680	680	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	680	680	681	680	680	678	676	674	677	677	677	679	682	681	...	675·5	Midnight
1h	680	681	681	680	680	678	676	675	676	676	676	676	681	680	...	674·9	1h
2	679	680	678	680	680	678	677	675	675	677	676	675	680	679	...	674·4	2
3	678	679	679	680	680	678	677	675	676	677	676	676	679	678	...	674·4	3
4	678	678	679	680	680	678	677	676	676	677	677	676	679	678	...	674·2	4
5	677	677	679	680	680	679	677	677	677	678	678	675	679	678	...	674·5	5
6	676	677	679	680	680	679	678	677	677	678	679	676	679	677	...	674·5	6
7	675	675	676	679	678	677	675	675	675	677	677	674	677	676	...	672·9	7
8	675	675	679	679	679	680	677	677	678	680	679	677	678	677	...	674·5	8
9	679	676	681	681	680	684	677	680	683	683	679	681	682	681	...	676·7	9
10	681	677	681	681	677	682	679	679	683	681	680	681	687	683	...	677·5	10
11	681	680	683	676	673	675	676	673	682	677	678	680	687	681	...	676·0	11
Noon	676	680	679	676	673	674	677	670	681	674	674	677	686	676	...	673·7	Noon
13h	669	676	676	673	671	671	672	670	676	667	671	671	687	672	..	669·7	13h
14	666	674	674	674	669	665	663	667	673	661	671	671	686	667	...	668·0	14
15	667	674	673	672	668	669	664	664	669	663	670	673	683	667	...	666·2	15
16	681	673	675	673	673	673	664	670	673	668	673	677	682	673	...	669·6	16
17	685	675	679	677	677	677	673	677	677	675	677	681	683	677	...	674·2	17
18	687	677	680	680	680	678	677	681	680	679	679	683	684	681	...	676·3	18
19	689	678	680	679	680	679	677	681	680	679	679	682	684	681	...	677·2	19
20	689	679	680	679	679	679	676	680	680	680	680	683	683	681	...	677·4	20
21	689	680	680	679	679	677	676	680	679	679	679	683	682	681	...	677·4	21
22	689	682	680	680	678	677	675	678	678	678	680	682	682	681	...	677·1	22
23	689	681	680	689	678	676	675	678	678	677	682	682	681	680	...	677·4	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of JUNE 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale 0–10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
JUNE	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	973·0	19·9	4·0	12·7	63	14·6	105	7·2	2	17·6	20·5	21·6	17·9	23·0	16·8	6·2	8·5	8·0	72·8
2	972·4	20·0	3·8	13·2	65	15·0	120	5·4	3	17·3	21·5	22·0	18·0	22·9	15·0	7·9	1·4	7·0	63·7
3	969·9	17·4	0·9	15·7	90	17·7	110	5·4	10	17·9	18·5	20·5	18·2	22·2	16·8	5·4	7·0	4·7	42·8
4	969·9	16·8	0·6	15·7	94	17·7	90	3·6	10	18·2	19·2	21·6	18·7	22·5	17·2	5·3	14·2	5·0	45·5
5	970·0	20·3	1·9	16·9	92	21·8	105	5·4	9	18·7	19·3	18·4	18·6	22·4	17·8	4·6	4·1	3·3	30·0
6	969·5	20·0	2·7	15·2	74	17·1	120	8·1	4	17·8	19·6	20·6	18·1	22·0	16·9	5·1	11·8	9·8	89·9
7	971·4	18·9	2·3	14·7	77	16·6	110	5·8	8	17·5	19·2	21·0	18·0	22·6	16·8	5·8	22·8	8·5	78·0
8	971·7	20·0	4·3	12·3	61	14·2	90	12·1	0	17·7	20·0	20·5	18·0	22·4	17·0	5·4	5·1	10·0	91·8
9	971·6	20·9	2·6	16·3	75	18·4	105	7·2	9	17·5	20·5	19·5	18·0	23·0	17·0	6·0	0·9	8·2	75·3
10	969·0	20·5	3·1	15·0	71	16·9	80	4·9	6	17·0	20·6	21·0	17·8	23·2	15·0	8·2	1·5	6·8	62·4
11	968·4	20·6	1·9	17·2	81	19·4	320	0·9	10	17·8	19·4	21·5	18·5	23·6	16·3	7·3	0·5	4·7	43·2
12	971·6	18·9	4·5	10·7	59	13·8	155	8·9	1	16·6	19·0	18·5	15·6	21·1	14·9	6·2	3·4	9·8	89·9
13	972·6	18·3	3·1	12·6	69	14·5	155	6·3	4	15·4	18·0	17·5	16·4	21·0	14·4	6·6	1·7	6·8	62·4
14	969·1	17·6	1·3	17·0	96	19·2	120	6·7	8	16·2	18·0	18·3	17·4	20·9	15·5	5·4	9·7	...	...
15	967·5	20·3	2·6	15·7	75	17·7	155	4·9	4	17·9	20·5	20·0	18·0	22·4	16·5	5·9	0·2	...	...
16	969·4	21·5	3·1	16·0	71	18·0	110	1·3	1	16·2	21·0	21·5	18·0	24·2	15·3	8·9	0·0	...	...
17	969·3	22·9	3·0	17·6	73	20·3	120	2·2	5	18·3	21·7	22·6	19·5	24·6	17·6	7·0	0·0	...	...
18	970·7	21·9	2·4	15·9	69	17·9	140	1·3	6	18·5	22·0	21·5	19·5	25·5	16·9	8·6	1·4	...	...
19	971·9	18·9	0·6	17·8	83	20·2	125	10·3	8	19·0	20·2	19·9	18·2	22·6	17·7	4·9	6·3	...	...
20	973·2	19·7	1·3	17·3	86	19·6	115	6·3	9	17·9	18·5	19·0	18·0	20·8	17·2	3·6	17·0	...	...
21	974·2	18·0	1·1	16·0	88	18·0	130	7·2	9	17·0	17·2	20·2	17·6	21·6	16·3	5·3	6·0	...	...
22	974·6	21·8	1·7	18·8	83	21·5	105	7·2	4	17·0	19·0	20·5	17·7	22·2	15·8	6·4	0·5	...	...
23	972·5	19·9	3·0	14·5	71	16·4	75	5·4	1	16·5	19·5	21·0	18·0	22·8	15·2	7·6	1·4	...	...
24	970·8	19·5	1·1	18·7	95	21·4	65	4·5	6	17·4	20·1	21·2	16·3	23·1	15·3	7·8	9·0	...	...
25	969·4	20·5	4·0	13·3	63	15·1	Calm		0	14·4	20·3	21·9	16·5	23·9	12·8	11·1	0·1	...	...
26	970·7	17·3	2·4	12·9	75	14·8	140	11·6	3	17·0	16·3	18·0	15·2	19·9	15·6	4·3	18·0	...	...
27	973·7	17·5	3·2	11·6	68	13·5	130	7·2	4	15·2	16·0	15·6	15·0	20·1	13·8	6·3	3·0	...	...
28	972·7	17·3	0·9	15·6	90	17·6	115	9·4	4	15·7	17·4	19·0	16·8	20·1	14·8	5·3	15·3	7·6	69·7
29	973·9	18·5	2·2	14·5	78	16·4	110	8·1	2	16·7	17·4	19·8	16·5	21·7	15·9	5·8	7·0	7·5	68·8
30	973·7	19·5	2·7	14·6	74	16·5	120	8·1	3	16·4	19·2	18·2	16·6	21·4	15·0	6·4	0·4	3·5	32·1
...	...	...	...	...	..	...	—	...	...	...	...	...	...	...	...	...	...	...	...
Mean	971·3	19·5	2·4	15·2	76·9	17·3	118°	5·8	5	16·9	18·7	19·4	17·0	21·6	15·5	6·1	178·2	7·01	63·6
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	42·7mbs.	Amount of rain	—	101·4mms.
Temperature of the Air	+	2·8°C	Duration of sunshine		...
Vapour Pressure	+	0·7mbs.	Mean of maximum temperatures	+	2·1°C
Relative Humidity	—	2·5%	,, minimum temperatures	+	1·9°C
Velocity of Wind	—	1·0mps.	Absolute maximum temperature	—	0·5°C
Amount of Cloud	+	0·1	,, minimum temperature	+	1·7°C

* From 14h to 27th Instrument under repairs.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1934

Month and Day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
JUNE	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	1015·0	+ 4·1	24·0	16·6	7·4	20·6	− 0·7	3·0	15·2	+ 2·0	71	− 6	17·1	15·4	0·3	10	3·2	6·5
2	1013·5	+ 2·6	24·2	16·8	7·4	20·4	− 0·8	3·0	15·0	+ 2·1	71	− 6	16·9	14·6	0·5	5	3·3	5·3
3	1011·0	0·0	24·1	23·9	0·2	20·8	− 0·4	2·0	17·2	+ 0·1	80	+ 3	19·4	17·2	1·4	25	4·0	5·5
4	1011·3	+ 0·2	24·0	18·8	5·2	20·8	− 0·3	1·6	17·9	+ 0·9	83	+ 6	20·3	16·2	13·5	130	5·4	8·1
5	1011·6	+ 0·4	23·5	18·6	4·9	20·6	− 0·4	1·5	17·9	+ 1·0	85	+ 8	20·3	15·2	3·3	37	6·0	8·2
6	1011·5	+ 0·2	23·8	18·3	5·5	20·7	− 0·3	2·5	16·2	− 0·6	75	− 2	18·2	17·0	1·2	22	5·1	3·6
7	1013·0	+ 1·6	23·8	18·6	5·2	20·5	− 0·4	2·3	16·4	− 0·2	77	0	18·5	17·2	9·6	125	5·0	6·0
8	1013·6	+ 2·1	23·9	18·1	5·8	20·9	+ 0·1	3·3	15·0	− 1·5	69	− 8	16·9	16·4	1·6	34	5·2	3·8
9	1012·9	+ 1·3	24·0	17·8	6·2	21·0	+ 0·2	2·6	16·4	− 0·1	75	− 2	18·5	15·3	0·2	4	4·0	3·4
10	1010·7	− 1·0	24·3	15·4	8·9	20·2	− 0·5	2·5	15·7	− 0·7	76	− 1	17·7	12·2	0·8	16	3·5	4·5
11	1009·5	− 2·3	24·0	17·4	6·6	20·5	− 0·2	1·4	18·0	+ 1·6	85	+ 8	20·4	16·4	7·7	32	2·7	6·1
12	1013·2	+ 1·3	23·1	17·3	5·8	20·0	− 0·6	4·6	11·8	− 4·5	59	− 18	13·7	14·6	0·0	0	4·0	1·8
13	1013·6	+ 1·6	22·9	17·1	5·8	19·2	− 1·4	3·0	13·8	− 2·5	71	− 6	15·6	13·4	0·7	16	4·6	3·2
14	1010·6	− 1·5	22·1	17·3	4·8	19·4	− 1·2	1·8	17·6	+ 1·3	89	+ 13	19·9	14·2	3·8	49	8·1	8·4
15	1009·5	− 2·7	24·3	15·0	8·3	20·1	− 0·4	2·2	16·2	0·0	78	+ 2	18·2	13·0	0·0	0	2·9	4·7
16	1010·7	− 1·6	24·3	15·1	9·2	19·8	− 0·7	1·9	16·4	+ 0·2	81	+ 5	18·5	12·2	0·0	0	2·7	1·9
17	1011·1	− 1·3	24·2	19·0	5·2	21·8	+ 1·4	1·8	18·6	+ 2·5	82	+ 6	21·2	16·6	0·0	0	3·7	3·6
18	1011·9	− 0·6	25·0	17·5	7·5	21·1	+ 0·7	1·2	19·0	+ 2·9	88	+ 12	21·8	15·0	15·3	40	4·5	5·4
19	1013·8	+ 1·1	24·2	19·9	4·3	21·2	+ 0·9	1·6	18·4	+ 2·4	84	+ 8	21·0	18·2	0·7	14	2·7	5·1
20	1015·2	+ 2·4	24·0	18·9	5·1	20·8	+ 0·5	2·1	17·0	+ 1·0	79	+ 3	19·2	16·2	0·3	6	3·1	3·6
21	1016·4	+ 3·5	23·7	17·1	6·6	20·3	0·0	2·5	15·8	− 0·2	75	− 1	17·8	13·3	0·3	6	3·7	3·8
22	1016·1	+ 3·1	23·3	16·4	6·9	19·8	− 0·4	2·7	14·9	− 1·0	73	− 3	16·8	14·8	0·2	4	3·1	4·1
23	1014·2	+ 1·1	24·3	16·7	7·6	20·2	0·0	2·3	16·1	+ 0·2	77	+ 1	18·1	15·0	2·0	10	3·8	3·5
24	1011·7	− 1·5	24·0	16·0	8·0	20·2	0·0	2·6	15·6	− 0·3	75	− 1	17·6	12·2	2·0	25	7·1	4·2
25	1010·4	− 2·9	24·2	14·5	9·7	19·1	− 1·1	2·1	15·3	− 0·6	87	+ 11	17·2	12·0	0·0	0	3·6	2·6
26	1012·8	− 0·6	22·3	17·0	5·3	19·8	− 0·3	3·6	13·3	− 2·5	66	− 10	15·1	15·2	2·4	9	5·4	4·5
27	1015·9	+ 2·4	21·9	15·9	6·0	18·3	− 1·8	2·7	13·4	− 2·4	73	− 3	15·2	13·2	6·0	76	4·3	7·0
28	1015·5	+ 2·0	22·8	16·3	6·5	19·5	− 0·6	2·5	15·0	− 0·8	75	− 1	16·9	15·4	1·8	31	5·5	6·4
29	1015·6	+ 2·0	23·1	17·1	6·0	20·0	− 0·1	2·7	15·2	− 0·6	74	− 2	17·1	15·0	0·4	8	3·8	3·8
30	1015·7	+ 2·0	22·9	16·9	6·0	19·3	− 0·8	2·5	14·8	− 1·0	75	− 1	16·7	15·0	0·8	11	3·2	2·7
...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1012·9	+ 0·7	23·7	17·4	6·3	20·2	− 0·3	2·4	16·0	− 0·3	76·9	+ 0·5	18·1	14·9	Sum 76·8	Sum 745	4·2	4·7
Aver.	1012·2	...	24·4	17·0	7·4	20·5	...	2·4	16·3	...	76·4	...	18·7	13·4	64·9	1174	3·4	4·8
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JUNE 1934.

The several elements were widely variable during the month. As is usual at the time of the year, on the positive waves of pressure followed an increase of wind force with a corresponding decrease of the relative humidity. A remarkable change of 26% in humidity occurred between the 11th and 12th, when the change in daily wind velocity averaged nearly 3 metres per second. Between the 25th and 26th a similar change of 21% in humidity occurred with a change in average daily wind velocity which amounted to over 5 metres per second.

The rainfall at the Observatory was somewhat in excess of the average but with a considerably shorter duration than normal.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1934.

Month and Day 1934.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather (0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h)
JUNE	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	8·0	73	3·9	+ 0·7	25·3	25·5	24·2	23·4	bc : c ; bc : bcd$_o$.
2	5·4	49	3·6	+ 0·3	25·4	25·4	24·1	23·1	bcd : b ; bc : cg : bc .
3	7·1	65	3·3	0·0	25·3	25·4	24·0	22·9	cr$_o$r$_o$: bcd$_o$: c : bcd$_o$: b : bd$_o$.
4	6·2	56	3·4	+ 0·1	25·4	25·3	23·9	22·7	crr : crr : c : c R : cr$_o$.
5	4·7	43	3·1	− 0·2	25·4	25·3	23·9	23·1	c : cd$_o$: c : cr$_o$r$_o$.
6	10·0	92	4·1	+ 0·8	25·4	25·2	23·9	23·2	cr$_o$r$_o$: b : bd$_o$: b : bc : c d$_o$.
7	7·7	71	3·8	+ 0·5	25·4	25·1	23·9	23·1	orr : o : bc : b : bc rr .
8	9·4	86	4·9	+ 1·6	25·4	25·1	23·8	23·1	orr : bc . b ; bcd$_o$: b ; bc .
9	9·3	85	4·1	+ 0·7	25·3	24·9	23·8	22·9	b : b : b d$_o$: bc : b .
10	6·7	61	2·5	− 1·1	25·3	25·1	23·7	22·7	b . bc : cg : bc .
11	4·8	44	2·0	− 1·4	25·3	24·9	23·6	22·8	bc : c ; bc RR : bcd$_o$; bc .
12	9·0	83	4·9	+ 1·5	25·5	25·0	23·6	22·8	b : b$_o$: b : bc .
13	8·2	75	4·2	+ 0·8	25·5	24·9	23·5	22·3	b : bc d$_o$d$_o$: bc : b r$_o$.
14	3·4	31	3·2	− 0·3	25·3	24·9	23·4	22·2	crr : c : og : c ; bc ; bcd$_o$.
15	7·3	67	2·3	− 1·2	25·3	24·7	23·3	22·2	b : bc : c .
16	8·9	82	1·9	− 1·6	25·3	24·9	23·2	22·3	b : bc : b .
17	9·5	87	3·0	− 0·5	25·2	24·9	23·2	22·4	c : b : bc ; b .
18	4·7	43	1·7	− 1·8	25·5	24·7	23·2	22·7	b$_o$: b : cg : cR : c : o : c .
19	7·5	69	4·0	+ 0·5	25·5	24·7	23·2	22·8	b : bc : c : bc d$_o$: bc : c d$_o$.
20	7·7	71	4·0	+ 0·4	25·3	24·7	23·2	22·7	bc : b : bd$_o$: bc : b : bd$_o$.
21	8·3	76	3·7	+ 0·1	25·5	24·7	23·2	22·6	b : bcd$_o$d$_o$: bc : b .
22	5·9	54	3·4	− 0·2	25·2	24·5	23·2	22·4	b : c : bc : b d$_o$: b .
23	8·3	76	3·2	− 0·4	25·2	24·7	23·1	22·3	b : bc r : o .
24	9·3	85	2·4	− 1·2	25·2	24·6	23·1	22·4	orr : c : bc : b .
25	9·8	90	1·5	− 2·1	25·1	24·7	23·0	22·2	b : bc .
26	9·7	89	6·6	+ 3·0	25·3	24·5	22·9	22·3	orr : cr$_o$: bc : b : bc .
27	5·8	53	5·7	+ 2·0	25·2	24·5	22·9	21·9	b : cr$_o$: cq$_o$: cq$_o$ rr : cr$_o$ r$_o$.
28	8·3	76	5·3	+ 1·6	25·2	24·5	22·9	21·5	cr$_o$ r$_o$: c : bcd$_o$d$_o$: bc .
29	9·2	84	4·9	+ 1·2	25·1	24·5	22·7	21·4	bc : bcd$_o$d$_o$: bcq$_o$: c : bc : b .
30	7·7	71	3·3	− 0·4	25·1	24·4	22·6	21·3	bc : cr$_o$: bcd$_o$. bd$_o$d$_o$: b .
...	...	...	...	...	...	...	...	...	.....
Mean	7·59	69·6	3·59	−0·10	25·31	24·87	23·41	22·52	.....
Average	7·48	68·8	3·49	...	25·51	25·38	23·78	23·08	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JUNE 1934.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1017·9mbs	at	08.00hrs.	on 21st	1008·0mbs	at	15 & 16hrs.	on 11th
Temperature of the Air	25·0°C	at	13.05hrs.	on 18th	14·5°C	at	06.20hrs	on 25th
Daily range of temperature of the Air ...	9·7°C		...	on 25th	0·2°C		.	on 3rd
Temperature of the Dew Point	21·4°C	at	15.00hrs.	on 18th	9·9°C	at	19·00hrs.	on 26th
Daily range of temperature of the Dew Point	7·5°C		...	on 26th	1·4°C		...	on 17th
Minimum on Grass	...		...	...	12·0°C		...	on 25th
Relative humidity	97·8%	at	23·00hrs.	on 5th	50·0%	at	10·00hrs	on 12th
Vapour Pressure	25·2mbs.	at	15·00hrs.	on 18th	12·1mbs.	at	19.00hrs.	on 26th
Wind Velocity	11·2m.p.s.	at	11 & 12hrs.	on 26th	0·6mps		often	...
Rainfall in 24 hours	15·3mms.	ending	14·00hrs	on 18th	...		...	...
Evaporation in 24 hours	8·1mms		...	on 14th	2·7mms		...	often
Duration of sunshine	10·0hrs		...	on 6th	3·4hrs.		...	on 14th

Mean Day Temperature of Air, 21·67°C. Average 22·26°C. Mean Night Temperature of Air, 18·81°C. Average 18·74°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0—24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	7	14	4	...	11	9	3	2	...	...	...

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

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

JUNE 1934.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.																
Midnight	151	153	122	116	120	120	130	140	139	121	106	119	151	122	100	107	Midnight
1h	150	150	120	115	120	115	130	140	139	117	102	120	149	121	095	107	1h
2	150	151	120	115	119	110	128	136	134	112	091	119	141	119	090	102	2
3	148	144	113	111	112	105	126	132	131	107	087	110	140	110	089	101	3
4	146	141	110	110	110	107	122	131	130	106	087	103	139	110	089	101	4
5	144	140	109	110	110	107	121	133	130	107	090	101	139	106	090	100	5
6	148	141	110	111	111	109	127	138	132	108	085	117	140	108	093	105	6
7	150	145	111	117	116	113	130	140	134	112	091	125	148	110	094	110	7
8	158	149	117	121	120	120	137	141	140	117	096	135	154	116	100	114	8
9	160	151	120	126	128	122	140	149	142	120	100	141	159	121	101	120	9
10	161	150	120	125	128	120	140	149	141	119	102	144	159	120	100	120	10
11	158	142	111	120	121	115	136	141	136	111	100	141	150	119	098	110	11
Noon	151	136	109	112	120	110	131	138	130	108	093	136	143	111	091	106	Noon
13h	142	127	110	106	119	105	124	130	127	098	089	126	132	102	086	098	13h
14	140	122	095	100	107	100	120	123	121	091	081	127	129	091	080	092	14
15	139	120	092	100	105	101	120	121	115	091	080	130	124	090	081	096	15
16	140	116	094	101	106	107	120	121	115	092	080	130	120	090	086	099	16
17	141	118	100	107	108	110	122	129	117	096	082	137	120	092	090	101	17
18	143	120	101	108	110	112	126	131	120	100	090	140	120	095	092	103	18
19	150	121	108	111	113	120	131	137	126	104	099	143	121	099	096	110	19
20	155	125	110	120	119	127	139	139	129	110	102	150	126	101	101	111	20
21	158	127	114	120	123	130	140	140	130	111	109	153	128	105	107	113	21
22	159	128	115	120	120	130	141	141	130	110	111	158	128	104	108	119	22
23	158	128	119	120	120	130	140	140	127	110	116	158	126	102	110	118	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour
	The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.																
Midnight	115	113	130	151	166	170	161	135	117	106	159	166	160	160	...	1013·4	Midnight
1h	111	114	130	150	165	170	160	130	114	110	156	162	160	160	...	1013·3	1h
2	110	111	130	149	164	163	156	126	109	110	152	165	152	154	...	1013·0	2
3	110	108	128	146	161	160	150	121	106	108	150	159	150	151	...	1012·6	3
4	110	107	129	145	161	160	150	120	101	107	150	154	147	150	...	1012·4	4
5	107	109	129	144	162	160	150	120	101	103	151	151	147	150	...	1012·4	5
6	111	110	130	145	168	162	150	122	102	110	154	151	151	150	...	1012·7	6
7	111	117	132	150	174	167	151	129	107	113	139	154	153	155	...	1013·1	7
8	117	121	140	158	179	172	157	130	111	120	163	160	160	160	...	1013·6	8
9	120	130	143	160	176	176	160	132	114	130	170	166	169	168	...	1014·0	9
10	120	130	146	160	173	175	158	131	111	130	172	169	168	167	...	1014·0	10
11	119	127	142	159	171	171	150	128	109	130	169	163	165	171	...	1013·6	11
Noon	111	121	140	151	167	169	141	120	101	130	163	157	161	160	...	1013·1	Noon
13h	103	114	134	146	159	160	130	110	098	124	153	150	152	156	...	1012·3	13h
14	100	111	134	142	151	149	122	101	091	126	150	141	149	142	...	1011·8	14
15	099	110	132	141	150	147	120	100	090	128	150	139	145	140	...	1011·7	15
16	100	110	131	141	152	147	121	100	090	130	150	140	143	141	...	1011·7	16
17	101	117	132	146	154	150	122	100	091	133	151	140	147	149	...	1012·0	17
18	107	120	139	150	159	150	130	101	097	139	150	142	150	151	...	1012·3	18
19	110	120	141	154	161	158	130	108	100	141	157	150	154	159	...	1012·8	19
20	111	128	149	160	164	160	131	110	105	150	165	159	160	163	...	1013·3	20
21	116	130	150	166	169	161	135	117	109	152	170	160	161	169	...	1013·6	21
22	116	130	151	166	170	162	140	119	110	156	170	161	165	170	...	1013·7	22
23	118	130	151	166	170	161	139	119	110	158	170	160	165	170	...	1013·7	23

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

Hour. \ Day.	June 1934.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Mean.
Midnight	2	5	5	6	8	8	10	10	2	2	3	2	2	9	4	4	3	0	2	5	2	1	2	10	1	10	2	10	6	1	...	4·6
1h	3	7	8	7	7	7	10	10	3	1	3	2	1	10	3	2	5	0	2	2	1	2	2	10	1	10	2	10	5	1	...	4·6
2	9	6	9	8	5	6	10	9	2	1	4	1	1	10	2	2	8	0	2	3	2	2	2	10	1	10	1	10	4	1	...	4·7
3	9	2	9	9	7	4	9	9	5	2	5	1	1	9	2	2	8	0	3	2	1	3	1	9	1	9	1	9	5	1	...	4·7
4	9	2	9	9	7	2	10	5	3	2	4	0	1	9	2	1	8	1	3	1	1	3	1	9	1	8	7	9	3	1	...	4·4
5	9	3	8	9	8	3	10	1	3	1	3	0	1	7	2	1	6	1	3	2	3	2	1	9	2	8	8	9	4	1	...	4·3
6	7	8	3	10	7	2	10	2	1	1	7	0	8	9	3	1	1	2	4	2	8	1	2	5	3	4	9	8	4	1	...	4·4
7	7	8	4	10	7	2	10	2	1	1	7	0	8	9	4	1	2	2	4	2	8	6	2	3	2	4	9	8	3	1	...	4·6
8	7	4	4	10	8	2	10	1	1	2	8	1	4	10	4	1	2	2	4	2	4	2	2	3	1	3	7	8	3	1	...	4·0
9	6	2	9	9	7	2	7	1	2	3	10	1	3	10	2	1	3	2	3	5	4	2	2	4	1	3	5	8	7	2	...	4·2
10	6	3	7	7	9	1	7	1	3	4	8	1	4	10	5	1	4	8	9	6	4	9	2	4	0	3	10	7	4	7	...	5·1
11	7	8	6	8	9	1	7	3	4	6	9	0	5	10	6	2	4	9	6	6	6	9	1	6	1	3	7	7	5	9	...	5·7
Noon	7	7	10	8	9	1	6	4	4	6	9	1	7	10	5	2	6	9	7	7	7	4	0	7	1	3	7	7	6	6	...	5·8
13h	7	8	8	7	9	3	4	2	5	5	7	2	5	10	6	2	6	9	7	7	6	8	2	3	2	3	10	6	6	5	...	5·7
14	7	8	7	5	9	3	2	3	6	7	5	3	4	9	5	2	5	9	7	8	6	7	3	2	3	2	9	4	8	6	...	5·5
15	5	9	6	4	9	3	2	4	7	6	5	3	4	9	3	4	4	7	7	5	6	9	4	2	4	2	8	4	8	3	..	5·2
16	5	9	6	6	9	3	2	4	6	6	5	3	4	9	3	4	2	9	5	5	6	7	8	2	4	2	8	4	5	3	...	5·1
17	7	5	2	7	9	1	1	4	5	8	7	3	2	8	5	2	1	10	3	4	4	5	3	2	3	3	8	4	2	2	...	4·3
18	9	3	2	9	8	1	1	3	4	8	7	3	2	6	7	2	2	10	3	3	4	2	3	1	3	3	7	4	1	2	...	4·1
19	7	3	2	10	9	1	1	3	4	8	7	3	2	6	8	2	2	10	4	3	3	2	3	1	3	3	7	4	1	2	...	4·1
20	4	3	2	10	9	5	1	3	3	8	7	4	1	6	8	2	1	10	7	3	1	4	5	1	4	4	9	4	1	2	...	4·4
21	4	4	2	7	9	9	4	3	3	7	7	4	1	6	9	2	1	7	9	2	1	4	9	1	4	7	9	4	1	2	...	4·7
22	5	5	1	8	9	8	3	4	3	6	5	3	1	5	7	2	1	7	9	2	2	3	10	1	5	5	7	4	1	2	...	4·5
23	6	5	2	10	9	8	8	4	2	5	5	2	1	5	7	1	1	5	7	2	1	3	10	1	7	3	8	4	1	2	...	4·5

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

Hour Ending. \ Day.	June 1934.																															
	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	12	16	0	2	0	0	0	10	0	0	20	15	0	7	20	17	0	10	0	4	0	3	12	12	3	0	0	0	0	...	2·7
8	2	52	25	0	45	60	0	50	60	48	35	60	18	10	60	60	60	58	60	35	60	10	5	60	60	60	55	56	35	57	...	20·9
9	48	60	40	15	31	60	32	60	60	50	10	60	56	3	60	60	60	60	60	55	60	54	35	60	60	60	46	25	53	60	...	24·2
10	60	35	60	30	50	60	28	60	60	55	53	54	58	50	60	60	58	27	55	55	53	55	60	30	60	60	32	30	60	60	...	25·5
11	45	52	60	48	33	60	35	60	50	57	30	60	55	2	36	60	50	18	32	46	60	25	60	60	60	60	22	55	60	22	...	22·7
Noon	56	30	3	53	35	60	57	58	52	22	9	60	40	0	60	60	55	35	52	50	50	30	60	32	60	60	30	60	56	55	...	22·3
13h	57	46	24	58	48	60	60	60	55	38	3	60	50	1	14	49	50	30	35	56	46	30	60	58	60	60	45	60	55	35	...	22·7
14	50	7	55	50	35	60	60	60	58	40	25	34	60	14	0	47	60	0	32	55	50	55	60	60	55	60	37	60	60	54	...	22·6
15	60	5	50	60	10	60	60	52	38	30	55	44	45	48	36	34	60	17	3	58	60	25	60	60	60	60	43	60	54	52	...	22·6
16	60	21	58	38	0	60	60	51	58	5	55	50	55	55	60	10	60	40	58	10	28	50	50	60	60	60	25	50	60	60	...	22·8
17	43	6	38	13	0	56	56	53	55	56	16	40	42	20	42	60	40	0	50	35	21	20	45	60	38	40	10	40	58	10	...	17·7
18	0	0	0	0	0	2	15	0	0	3	0	0	0	0	0	15	2	0	5	4	5	3	0	4	2	0	0	0	0	0	..	1·0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	0·0

The total Amount of Registered Sunshine was 227.8 hrs. and the total possible sunshine was 327·5 hrs.

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

(To obtain temperatures on the Absolute Scale add 273)

JUNE 1934.

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

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

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

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

JUNE 1934.

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during JUNE 1934.

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

The Velocities are given in Metres per second, using the factor 2 2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

JUNE 1934.

Hour \ Day	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		9d.		10d.		11d. *		12d. *		13d. *		14d.		15d. *		16d.	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	12	2·2	11	2·6	12	2·7	12	2·2	10	2·3	11	2·3	11	3·4	08	4·4	09	2·3	09	2·1	11	1·0	13	3·6	16	3·7	12	3·5	15	2·6	11	1·7
1h	12	2·1	11	2·5	12	2·1	11	2·3	11	2·1	11	3·3	12	3·7	07	5·[illegible]	11	3·0	09	2·7	11	1·4	14	4·8	16	3·6	11	4·9	17	2·4	11	1·7
2	09	2·9	09	4·4	09	3·3	12	2·2	11	2·0	10	3·3	09	4·3	10	4·9	11	3·2	08	2·8	11	1·3	17	4·3	15	3·9	12	4·1	19	1·4	11	1·9
3	06	1·8	12	2·2	12	2·9	11	2·3	11	1·5	11	3·5	09	2·8	10	5·7	10	2·9	08	2·4	11	1·5	16	5·1	14	4·4	12	2·8	16	1·6	11	1·8
4	09	3·6	12	2·7	12	2·5	11	1·9	11	1·6	12	3·4	08	4·2	09	6·1	12	3·2	11	2·0	13	1·8	16	6·3	14	4·4	13	2·0	13	1·2	11	1·5
5	08	3·7	11	3·0	12	3·0	10	1·4	11	2·5	11	2·9	08	4·4	09	4·9	11	2·8	11	2·3	13	1·8	16	6·9	15	1·8	13	2·3	14	1·1	11	2·1
6	12	3·4	11	1·9	12	3·4	09	2·7	11	2·2	11	3·0	11	4·4	10	4·2	11	3·9	11	1·6	10	1·4	d20	2·4	14	3·9	12	2·8	16	1·0	11	2·1
7	11	3·0	11	2·3	12	2·8	10	2·5	11	2·5	10	1·8	08	3·8	10	3·7	10	3·7	11	2·1	14	1·4	16	4·2	14	4·0	12	3·3	16	1·3	12	2·1
8	11	3·1	11	2·9	12	3·2	09	3·1	11	2·2	10	4·1	09	2·1	09	5·2	10	4·2	11	1·2	14	0·7	15	4·4	14	2·2	12	3·1	16	1·5	12	1·5
9	11	4·5	11	2·9	13	3·1	12	4·2	12	3·8	09	4·1	11	3·9	10	5·3	09	5·7	08	3·0	d25	1·1	14	4·6	16	3·5	10	3·9	17	2·1	11	2·0
10	10	4·9	11	3·5	12	4·6	10	4·4	11	4·4	10	6·1	10	4·4	09	7·2	10	5·1	07	4·0	01	1·9	14	6·6	12	5·2	12	5·4	17	3·2	11	2·5
11	09	4·6	10	4·9	12	4·8	12	5·0	12	4·4	12	6·1	10	5·2	09	6·4	08	5·6	05	4·5	32	2·6	15	7·0	12	6·3	12	3·8	13	3·9	11	2·0
Noon	11	5·3	11	4·3	11	4·4	12	5·2	11	4·4	12	5·5	11	4·8	10	7·2	09	6·0	06	3·8	31	1·9	14	6·2	10	5·0	12	3·4	15	3·6	10	2·2
13h	10	5·6	12	5·4	11	4·4	10	5·2	10	4·2	11	5·5	12	5·0	09	7·3	10	6·5	05	3·3	27	1·4	16	6·9	13	5·1	10	4·8	13	4·7	13	2·5
14	11	5·8	09	4·7	10	4·7	11	5·2	11	4·0	11	5·6	10	5·3	08	6·9	09	5·9	06	3·3	23	1·4	15	6·3	11	5·8	12	5·1	13	4·4	08	2·5
15	10	6·7	13	5·0	11	4·3	11	5·4	12	3·8	12	5·9	09	4·9	10	6·7	09	5·6	06	2·7	23	2·9	15	7·2	12	5·7	12	4·0	14	4·0	11	1·8
16	09	5·6	12	5·0	12	4·0	10	4·9	12	3·2	11	5·4	11	4·4	09	5·7	09	5·2	07	2·3	23	2·8	17	6·1	12	4·8	12	3·7	14	3·8	12	0·6
17	11	3·6	12	4·1	10	3·8	11	4·1	10	3·1	11	4·3	10	3·4	08	4·3	09	4·9	07	1·6	21	1·1	14	4·0	13	3·5	12	3·1	13	2·9	12	1·2
18	11	2·2	13	3·4	12	2·5	11	4·4	12	3·3	11	3·7	11	2·2	09	2·1	11	3·3	07	1·0	21	1·1	16	4·0	12	2·6	12	1·7	13	1·3	12	1·6
19	12	4·4	12	3·9	12	2·4	11	3·8	12	3·2	11	3·4	11	2·8	11	2·5	10	3·4	07	1·2	r13	1·8	15	4·2	11	3·3	12	1·5	13	2·0	12	2·1
20	11	3·7	12	5·2	11	3·0	09	2·4	11	3·2	10	3·3	11	2·0	11	3·0	10	2·9	11	1·8	13	1·8	14	4·4	11	4·5	12	1·7	15	1·2	11	1·8
21	11	2·9	12	3·2	10	2·8	10	1·3	11	3·1	10	4·2	11	2·1	09	3·7	10	3·4	12	1·3	13	3·9	14	3·2	11	4·4	13	2·0	11	1·6	11	1·2
22	12	3·7	12	3·0	12	3·1	10	1·9	13	2·9	12	3·2	11	2·5	09	2·2	09	3·2	11	1·1	15	4·0	16	2·3	12	4·4	14	2·2	11	1·6	11	2·4
23	12	3·0	12	2·5	12	2·3	10	2·2	11	3·4	11	2·8	08	4·1	09	3·2	09	3·8	11	1·1	14	4·0	16	2·6	11	4·3	15	2·3	11	1·3	11	1·3

Hour \ Day	17d. *		18d.		19d.		20d.		21d		22d.		23d.		24d.		25d. *		26d. *		27d.		28d.		29d.		30d.		...		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	12	2·4	11	2·6	12	1·6	11	3·7	11	1·8	11	2·0	10	2·3	09	2·4	12	0·9	13	1·5	10	5·7	08	3·4	11	3·4	12	2·6	...	...	2·0
1h	12	1·8	10	3·4	12	2·4	11	3·2	11	2·0	11	1·8	10	1·8	10	2·1	12	0·7	14	3·0	13	2·1	12	4·0	10	3·7	12	1·9	...	...	2·7
2	12	2·1	10	2·5	12	2·4	11	3·8	11	1·8	11	1·8	10	2·0	12	2·7	12	0·7	15	1·6	12	4·7	10	4·7	11	3·4	12	2·7	...	...	2·9
3	12	2·1	10	1·9	12	2·5	11	4·1	11	2·2	11	1·9	11	2·8	10	2·8	12	0·7	13	1·9	12	5·8	11	3·2	11	3·4	11	2·4	...	...	2·8
4	12	2·0	10	1·7	12	1·8	12	3·7	11	3·5	11	2·0	11	1·5	10	3·3	12	0·6	d21	1·9	12	4·2	12	3·5	09	4·2	13	1·3	...	...	2·8
5	12	0·8	10	1·6	12	3·3	10	3·1	12	3·6	11	2·7	11	2·0	09	3·1	12	0·6	16	4·4	12	5·5	10	4·2	11	5·0	11	2·5	...	...	3·0
6	12	3·4	10	1·9	12	3·3	11	3·8	12	2·6	11	1·7	11	2·3	09	2·7	12	0·9	15	4·8	11	3·7	12	4·6	11	3·6	11	3·5	...	...	2·9
7	12	2·4	12	1·5	11	3·8	11	3·6	12	3·8	11	2·5	11	1·4	09	2·1	12	1·7	12	8·0	12	5·3	11	5·0	10	4·7	12	3·5	...	...	3·1
8	12	2·6	12	1·1	11	4·9	11	3·2	12	5·4	11	2·1	11	2·7	10	1·8	12	1·5	12	8·7	12	4·5	10	5·2	10	5·4	11	3·2	...	...	3·2
9	12	3·7	18	1·1	11	4·9	11	4·4	12	4·8	11	2·4	08	2·5	08	1·3	12	1·5	12	9·9	12	6·1	11	6·3	09	6·2	11	3·0	...	...	3·8
10	12	2·9	19	1·1	11	5·8	10	4·7	12	5·4	10	5·6	09	4·2	07	4·0	07	1·6	11	10·4	12	7·3	11	6·0	10	6·8	10	4·9	...	...	4·8
11	12	3·5	25	1·4	10	5·2	12	5·2	12	6·0	10	5·7	10	4·0	09	4·1	06	1·1	12	11·2	11	6·1	10	7·0	10	7·4	10	4·5	...	...	5·0
Noon	09	3·9	r12	2·2	10	5·3	09	5·4	12	7·2	11	4·7	08	3·7	07	2·9	r30	1·3	13	11·2	11	6·9	10	8·1	10	6·8	10	5·0	...	...	4·9
13h	10	4·5	r25	2·0	10	5·8	10	5·8	12	5·3	10	5·3	06	4·3	07	3·0	27	2·6	12	9·7	11	6·4	09	7·6	10	7·6	11	4·4	...	...	5·1
14	09	3·9	r17	1·2	11	5·3	11	6·0	12	5·2	12	6·2	08	4·9	09	2·4	23	2·6	12	10·1	12	8·2	09	7·2	10	7·0	11	5·3	...	...	5·1
15	10	4·2	17	0·6	09	4·5	11	6·0	12	5·9	10	6·3	10	5·7	07	3·0	26	2·1	12	9·6	12	6·8	09	6·7	10	6·9	12	5·8	...	...	5·0
16	11	4·4	17	1·3	12	5·6	12	3·5	13	5·1	10	5·5	09	3·5	07	2·6	24	2·3	12	7·7	12	6·7	10	6·4	10	6·6	10	4·1	...	...	4·4
17	10	3·4	16	1·3	10	4·1	11	5·5	13	2·2	10	3·5	10	4·9	08	2·6	22	2·3	12	5·3	10	5·9	10	6·0	11	4·5	11	2·3	...	...	3·5
18	10	2·9	14	2·4	12	4·7	12	3·7	13	2·8	11	3·0	10	3·3	08	1·8	22	0·9	09	3·1	11	5·7	10	4·8	11	3·1	11	2·0	...	...	2·8
19	10	2·3	04	1·9	11	3·2	10	3·1	13	2·4	11	2·5	09	3·6	08	1·9	22	1·0	12	5·9	11	5·6	11	4·8	11	3·7	11	2·0	...	...	3·0
20	10	3·0	03	1·4	12	2·9	11	3·0	12	2·7	10	4·1	10	5·2	11	1·5	22	1·6	10	4·9	11	5·4	11	3·5	11	3·2	11	2·4	...	...	3·0
21	12	3·0	14	1·0	12	3·3	11	2·6	12	2·5	10	3·0	08	2·3	11	1·1	r13	1·5	12	5·6	11	5·7	11	3·1	11	3·0	11	2·7	...	...	2·8
22	11	3·0	14	1·3	09	4·0	11	3·8	12	2·5	10	2·6	07	3·3	11	1·0	13	1·3	11	4·6	11	3·4	11	3·5	12	2·3	11	2·5	...	...	2·7
23	11	3·3	13	2·0	11	5·0	11	2·3	11	2·1	10	2·5	07	2·2	12	0·7	13	1·1	10	3·6	11	4·8	11	3·1	12	2·2	11	2·2	...	...	2·7

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), JUNE, 1934.

Hour	Force (0–12): 8 or above	4 to 7	0 to 3	Direction: N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	2	28	...	...	...	1	2	4	20	1	2	...	...	...	...	...	...	...
9	...	5	25	...	...	...	...	6	2	17	1	2	1	...	...	1	...	...	...
15	...	15	15	...	...	...	1	5	6	13	1	2	...	...	...	1	1	...	...
21	...	2	28	...	...	...	...	2	5	21	2	...	...	...	...	...	...	...	...
Totals	...			...	...	...	2	15	17	71	5	6	1	...	...	2	1	...	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JUNE 1934.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of JUNE 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	3·40	86·4	62·2	15
*	St. Antoine	50	3·57	90·7	61·0	17
*	Belmont	50	3·82	97·0	71·4	19
*	Poudre d'Or	20	3·96	100·6	69·6	19
	Mon Loisir S. E.	300	...	...	104·9	...
	Forbach	300	...	...	72·4	...
*	Couroupa	...	3·19	81·1	65·3	16
*	Labourdonnais	290	3·71	94·0	77·0	14
	Beau Séjour	300	5·18	131·6	102·9	17
	Mont Piton	650	5·37	136·4	116·6	21
	Mon Choix	700	3·68	93·5	110·7	15
	Antoinette	640	4·88	123·9	111·8	15
	Mon Songe	620	5·73	145·5	113·8	16
	Botanical Gardens ...	325	5·02	127·5	76·5	21
*	The Observatory	179	3·03	76·8	61·2	25
	Solitude	175	2·28	57·9	35·3	11
	St. André	90	1·95	49·5	47·5	7
	La Nicolière	...	6·56	166·6	...	21
2 & 3	Union Régnard S.E. (Flacq)	600	9·15	232·4	128·0	16
	Constance d'Arifat L.G. ...	100	5·30	134·6	102·1	20
	Rich Fund	600	7·90	200·7	116·1	25
	La Joffrette	...	9·45	240·0	...	16
	Belle Vue (Allendy) ...	...	7·45	189·2	95·0	18
4 *	Sans Souci	900	14·98	380·5	260·1	27
	Beau Champ (G.R.S.E.) ..	20	6·78	172·2	104·1	21
	Olivia	400	8·37	212·6	153·2	24
	Trois Ilots	...	8·05	204·5	...	22
	Belle Rive	400	11·36	288·5	...	25
	Sébastopol	700	13·40	340·3	...	22
	Bonne Veine	400	12·36	313·9	152·4	25
5	Rose Belle	850	13·21	335·5	...	28
	New Grove	650	13·16	334·3	...	25
	Mon Trésor	...	6·85	174·0	...	20
	Mon Désert (Carié) ...	75	4·76	120·9	99·1	17
	Ferney	20	6·09	154·7	157·5	23
	Sauve Terre	...	4·87	123·6	..	14
6	Tivoli	1,300	12·65	321·3	230·9	29
	La Flora	1,050	13·93	353·8	207·3	28
	Riche Bois (Brit.) ...	650	10·62	269·7	...	26
	Britannia (Estate) ...	700	11·67	296·4	208·0	27
6	Savannah (Mill) ...	200	...	...	122·9	...
	St. Aubin	300	6·47	164·3	124·7	21
	St. Avold	900	13·37	339·6	200·4	26
	Colmar	400	12·01	305·0	172·5	24
	Union S. E.	...	6·47	164·3	85·6	20
	Fontenelle	320	7·96	202·2	104·1	16
	Choisy	200	9·43	239·5	...	19
	Beau Bois	...	13·52	343·4	...	24
	Bel Air	...	7·12	180·8	..	16
	St. Félix	...	8·93	226·8	...	17
7,8,9 & 10	Bel Ombre	40	7·40	188·0	92·5	20
	Beau Champ (B. du Cap)	70	7·63	193·8	...	19
	Frélérica	...	7·79	197·9	...	19
	Pierre Fond	...	1·96	49·8	...	19
	Ste. Marie	...	7·35	186·7	...	15
	Hussonia Limited .	...	...	...	...	...
11	Curepipe Gardens ...	1,840	12·64	321·0	191·8	30
	Mare aux Vacoas (G.E.)	1,850	...	...	197·9	..
	Mare aux Vacoas (Arn.)	1,830	...	...	269·7	...
	La Marie Filter Bed ..	1,700	8·12	206·2	152·7	23
*	Sophie	...	14·94	379·4	...	25
	Réunion	1,420	7·34	186·4	118·9	25
*	Aerological Station ..	1,393	7·03	178·2	76·5	28
12	Quatre Bornes (Board) ...	1,090	2·87	72·9	...	13
*	Le Réduit (D. of A.) ...	1,000	3·32	84·4	58·9	29
	Alma	1,460	7·97	202·4	199·1	17
	Bagatelle	1,250	7·96	202·2	110·0	20
	Highlands	1,300	6·95	176·5	121·4	20
	Trianon	950	...	...	68·8	...
	Val Ory	1,100	...	...	79·2	...
	Bassin	...	2·27	57·7	...	19
	Hermitage	1,450	9·95	252·7	...	19
	Ebene	...	2·28	57·9	...	13
	Bega	...	2·93	74·4	...	16
	Mon Rêve	...	3·92	99·6	...	14
	Mont Pevril	...	3·83	97·3	...	16
	Minissy	1,150	4·63	117·6	75·7	14
	Plaisance	...	6·93	176·0	...	17
	La Ferme	350	1·02	25·9	...	15

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of JUNE 1934.

Type. / Day.	Time	Scud		Cumulus Cu. St. &c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cumulus Cu. St. &c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	12¾	...	...	143	4·5*	...	...	...	...	98	1·4*	143	1·2*
6	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	146	8·0*	116	12·8*	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	143	13·5*	...	...	...	...	...	...	...	...	...	...
8	9¾	86	19·3*	110	16·9*	...	...	...	...	...	...	...	...	14¼	98	13·6*	105	10·1*	...	...	...	...	...	...	...	...
9	11½	120	66·6	105	33·7	...	...	...	...	...	...	...	...	13½	92	22·9*	116	13·3*	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	119	2·7*	124	4·6*	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	11¾	180	17·7	180	11·2	...	...	...	...	...	...	...	...	15	195	6·8	195	6·7	...	...	...	...	...	...	...	...
13	10¼	150	16·9	150	21·0	...	...	...	...	...	...	...	...	14¼	143	11·8*	115	9·1*	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	11½	...	...	203	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	10¼	125	...	120	...	...	...	...	...	...	...	...	...	13¾	114	1·7*	114	1·2*	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	10	165	...	165	7·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	10¾	135	62·8	120	4·7	...	...	...	...	...	...	...	...	15	120	43·9	105	15·3	...	...	...	...	...	...	...	...
20	9¾	114	10·9*	86	9·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	11¾	114	1·7*	84	8·8*	...	...	...	...	...	...	...	...	14¾	105	12·5	135	...	...	...	...	...	...	...	...	...
22	11	114	15·3*	...	...	...	...	...	...	...	...	...	...	15	105	10·5	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	10	...	...	75	...	240	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	15	225	...	225	...	...	...	...	...	...	...	...	...
26	11½	144	24·1*	14·1	20·7*	...	...	...	...	...	...	...	...	13½	144	3·3*	159	8·5*	...	...	...	...	...	...	...	...
27	9½	115	25·8*	144	11·2*	...	...	...	...	...	...	...	...	14¼	135	10·5	135	16·0	...	...	...	...	...	...	...	...
28	9½	113	20·7*	110	1·3*	...	...	...	...	...	...	...	...	15	120	37·9	120	15·7	...	...	...	...	...	...	...	...
29	11¾	115	21·1*	130	14·1*	...	...	...	...	...	...	...	...	14¾	105	10·6	120	6·9	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	119	17·9*	136	2·9*	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JULY, 1934

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

DIRECTOR

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF JULY 1934.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. U)	Daily Range† Declination.	Daily Range† Horizontal Force	Daily Range† Vertical Force.
					Unit 1 γ	
JULY	′			′		
1	...	...	.29679	...	...	9
2	...	...	677	...	...	13
3	...	...	679	...	...	8
4	...	...	679	...	...	14
5	...	...	678	...	...	14
6	...	...	680	...	...	9
7	12°49·0	.22557	679	3·2	28	15
8	48·8	555	678	5·2	26	19
9	48·8	558	678	3·5	31	19
10	49·0	555	679	4·0	20	10
11	49·2	560	677	4·0	25	13
12	48·7	556	677	4·2	33	20
13	48·9	558	675	3·5	23	12
14	49·2	564	673	5·2	23	19
15	48·7	550	675	6·0	32	17
16	48·8	549	675	3·5	37	16
17	49·0	548	673	5·0	27	15
18	49·4	548	670	2·0	27	10
19	49·3	549	669	3·5	32	16
20	49·2	544	670	4·9	24	18
21	49·5	544	669	2·7	23	9
22	48·5	545	665	6·0	30	28
23	49·4	545	665	3·8	21	12
24	49·3	554	664	4·0	40	24
25	50·0	550	662	4·5	30	26
26	49·3	552	660	4·2	33	19
27	49·5	559	659	3·0	42	24
28	49·3	556	658	4·5	16	15
29	49·9	546	658	3·7	50	15
30	49·7	517	660	6·0	42	20
31	50·4	515	660	6·0	43	22
Mean	12°49·23	·22549	·29671	4·24	30·3	16·1

Description of the Principal Magnetic Disturbances.

Declination. Register lost from 1ᵈ. to 6ᵈ.12ʰ. From 8ʰ. to 18ʰ. on 30ᵈ. small irregular and intermittent oscillations.

Horizontal Force. Register lost from 1ᵈ. to 6ᵈ.12ʰ. Minor oscillations between 11ᵈ.20ʰ. and 11ᵈ.23ʰ. Sharp–ve wave of 10γ at 14ᵈ23ʰ.40ᵐ. followed by minor pulsations.

Sudden commencement with an increase of (23γ) at 30ᵈ.7ʰ.15ᵐ. of a moderately disturbed period.

The maximum occurs at 8ʰ.55ᵐ. after which a gradual decrease, with minor superimposed oscillations, takes place the minimum being reached at 30ᵈ.17ʰ.20ᵐ.

At 31ᵈ.3ʰ.45ᵐ. a positive wave of 20γ followed by minor pulsations.

At 31ᵈ20ʰ.10ᵐ. sharp negative wave of 20γ.

Vertical Force. At 14ʰ.30ᵐ. on 3ᵈ sudden commencement of disturbed period–small continued oscillations which gradually die down during 4ᵈ.

On 30ᵈ.6ʰ.15ᵐ. sudden commencement of disturbed period–Minor pulsations throughout. A large positive wave culminates at 30ᵈ.17ʰ.35ᵐ.

T=·37267 : Mean Dip=52° 46′·00 : (X=·21986 : Y=—·05003 : Z=·29671).
† 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 1934.

Declination (West)		Horizontal Force		Dip (South)		
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
JULY 3·14.20	12 48·03	JULY 4· 9·58	·22541	JULY 3·14·50	52 43·31	...
10·13·22	12 48·79	4·12·44	·22559	10·13·42	52 45·50	·29677
12·10·56	12 48·84	17·13·37	·22541	12·11·10	52 45·06	·29682
12·15·37	12 46·94	18·10·03	·22560	12·15·25	52 45·37	·29662
24·13·07	12 48·60	18·12·35	·22573	24·13·30	52 42·75	·29650
31·13·08	12 51·65	19 10·06	·22535	31·13· 8	52 46·31	·29644
		20·11·58	·22553			
		20·14·54	·22548			

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

JULY 1934

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	50·0	49·0	49·3	49·4	49·6	49·6	50·2	49·7	50·3	49·8	49·8	49·1	49·1	49·9	50·5	49·5	Midnight
1h	49·5	48·5	49·0	49·1	49·6	49·1	49·9	49·7	50·3	49·8	49·6	48·9	49·1	49·4	50·0	49·3	1h
2	49·3	49·0	49·0	49·1	49·4	49·1	49·7	49·7	50·3	49·8	49·8	49·1	49·7	49·4	49·0	49·3	2
3	49·3	48·7	49·0	49·1	49·4	48·8	49·7	49·7	50·3	49·8	49·6	49·4	49·7	49·4	48·5	49·3	3
4	49·3	49·0	49·3	48·6	49·1	48·8	49·7	49·5	50·0	49·8	49·6	49·4	49·9	49·4	48·5	49·3	4
5	49·5	49·3	49·5	49·1	48·8	48·6	49·5	49·2	49·8	49·3	49·6	49·4	49·9	49·4	49·5	49·3	5
6	49·5	49·2	49·5	49·1	48·6	48·6	49·4	48·7	49·6	49·0	49·6	49·4	49·9	49·1	50·0	49·0	6
7	48·5	48·5	49·0	48·6	48·1	47·6	48·7	48·2	48·3	48·0	48·3	48·9	48·9	47·9	49·0	48·1	7
8	48·5	48·5	48·5	49·1	48·1	48·1	48·7	48·2	47·8	47·8	47·8	48·9	48·1	48·4	49·2	48·0	8
9	49·0	49·5	50·0	50·1	50·1	49·1	49·7	49·7	49·6	49·3	48·8	49·7	49·4	49·4	50·5	49·1	9
10	50·0	50·0	50·5	50·6	50·6	49·1	50·2	50·2	51·6	50·8	49·8	50·4	50·7	49·4	52·0	50·0	10
11	50·0	50·5	50·0	50·8	50·8	50·1	50·2	50·7	52·0	51·0	50·6	49·7	51·1	49·1	53·0	50·4	11
Noon	49·0	50·5	49·5	50·1	50·1	49·1	50·2	50·2	52·3	50·3	50·3	48·9	51·4	50·4	53·5	50·2	Noon
13h	47·0	49·5	49·3	48·1	50·1	45·6	50·5	48·7	50·8	48·8	49·3	48·9	50·9	48·4	52·5	49·0	13h
14	45·5	49·0	48·5	46·6	49·6	44·1	49·2	47·7	49·3	47·8	48·8	48·4	48·9	47·9	50·5	47·9	14
15	45·5	48·7	47·0	45·9	48·1	44·6	47·2	46·7	48·3	46·8	47·8	46·4	47·9	46·4	49·5	47·0	15
16	46·5	48·7	47·3	46·6	48·1	46·1	46·7	47·2	48·3	47·3	48·3	46·9	47·7	47·4	47·5	47·2	16
17	48·7	49·5	48·5	48·6	48·8	48·1	48·2	48·2	49·8	48·8	49·3	48·9	49·1	49·4	49·0	48·7	17
18	50·0	50·0	49·7	49·8	49·6	49·6	49·7	49·7	50·6	49·8	50·8	50·4	50·9	52·4	50·5	50·0	18
19	50·5	50·3	50·0	50·1	50·1	50·1	50·0	50·0	50·5	50·0	50·8	50·9	50·9	52·2	50·8	50·3	19
20	50·3	50·2	50·0	50·4	50·1	50·1	50·0	50·7	50·6	50·0	50·6	50·9	51·4	52·4	51·0	50·3	20
21	50·3	50·3	49·8	50·4	50·1	50·1	49·9	50·2	50·3	50·0	50·3	50·7	50·9	52·4	50·5	50·2	21
22	50·0	50·0	50·0	50·1	50·1	50·1	49·7	50·5	50·0	49·8	49·8	50·4	50·4	51·9	51·0	50·0	22
23	49·5	50·0	49·7	50·1	49·8	49·9	49·7	50·4	49·8	49·8	49·3	50·1	50·4	50·9	50·5	49·8	23

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

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

JULY 1934.

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	...	...	...	...	...	...	557	555	560	553	553	540	552	550	555	545	Midnight
1h	...	...	...	...	...	...	555	554	556	555	552	543	553	551	555	547	1h
2	...	..	...	...	..	...	555	553	560	556	552	550	553	553	557	548	2
3	...	...	...	...	...	...	554	556	557	553	552	550	556	558	560	553	3
4	...	...	...	...	...	...	555	555	560	553	552	555	557	558	557	552	4
5	...	...	...	...	..	...	558	557	565	552	553	550	563	560	550	550	5
6	...	...	...	...	...	...	568	560	563	555	555	550	566	563	560	560	6
7	...	...	...	...	...	...	564	565	565	557	558	562	568	565	562	563	7
8	...	...	...	...	...	...	575	569	567	560	563	566	570	569	561	565	8
9	...	...	...	...	...	...	575	565	573	565	564	568	573	570	556	565	9
10	..	...	...	...	...	...	570	560	572	565	566	573	572	570	553	556	10
11	...	...	...	...	...	...	563	556	565	563	565	570	568	572	544	560	11
Noon	...	...	...	...	...	570	556	555	564	562	568	570	565	571	538	560	Noon
13h	...	...	..	...	...	573	556	557	566	559	568	570	553	570	530	545	13h
14	...	...	...	...	...	570	553	555	562	560	570	567	550	572	537	540	14
15	...	...	...	...	...	560	547	547	557	553	567	550	553	573	538	543	15
16	...	...	...	...	...	550	548	543	553	545	562	545	553	570	545	545	16
17	...	...	...	...	...	557	551	545	545	545	560	544	554	568	553	544	17
18	...	...	...	...	...	560	558	550	545	548	563	550	553	567	553	547	18
19	...	...	...	...	...	557	557	550	550	549	567	552	553	565	550	547	19
20	...	...	...	...	...	560	558	550	552	549	565	550	553	563	547	545	20
21	...	...	...	...	..	557	558	553	548	550	555	550	550	558	545	538	21
22	...	...	...	...	...	558	555	557	542	550	550	552	550	557	544	532	22
23	...	...	...	...	...	558	554	558	550	552	545	553	552	555	544	528	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	530	545	538	540	535	540	542	549	537	553	540	550	553	525	490	543·5	Midnight
1h	535	550	539	540	535	540	541	550	537	555	543	552	553	535	492	544·7	1h
2	540	543	540	540	537	547	542	552	540	560	545	554	552	535	507	546·6	2
3	543	543	540	540	539	544	543	553	542	555	550	554	555	537	500	547·5	3
4	544	543	542	542	540	545	545	554	546	552	552	557	557	540	525	549·5	4
5	545	545	543	545	545	545	547	555	547	556	553	560	555	542	527	551·0	5
6	548	550	545	547	545	548	549	558	550	555	558	562	555	548	517	553·8	6
7	553	551	550	550	550	552	553	562	555	553	562	563	560	555	523	556·8	7
8	555	555	556	557	550	553	557	562	564	557	570	562	565	592	531	562·0	8
9	557	557	555	555	548	550	558	560	567	555	573	560	572	590	530	562·4	9
10	550	560	550	553	550	547	555	560	567	552	575	559	572	560	530	559·9	10
11	549	562	555	545	555	543	559	563	565	554	577	562	570	547	533	558·6	11
Noon	553	565	563	550	558	550	550	570	560	552	582	565	565	545	530	558·7	Noon
13h	550	563	570	553	558	559	500	575	558	555	580	563	548	510	525	553·6	13h
14	552	557	563	550	553	558	502	570	550	558	575	558	557	490	525	551·4	14
15	557	545	565	546	542	555	539	567	542	567	570	553	540	480	517	548·5	15
16	555	540	557	540	535	545	538	557	540	560	557	551	530	470	510	543·8	16
17	547	540	550	542	536	537	540	553	545	550	553	551	520	450	505	541·1	17
18	545	539	547	545	540	540	557	547	550	550	555	553	520	530	505	546·3	18
19	545	540	545	540	540	529	556	540	547	550	553	552	520	550	505	542·1	19
20	547	541	543	535	542	540	555	540	546	547	550	552	523	560	495	541·9	20
21	545	539	543	533	542	540	547	535	546	540	549	550	527	473	505	540·8	21
22	545	538	543	537	542	540	549	537	547	535	550	550	525	480	510	540·7	22
23	545	539	542	537	540	543	549	537	550	534	550	551	525	487	510	541·2	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)

JULY, 1934.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	·29000+(C.G.S. UNIT.)																
Midnight	680	686	681	683	680	680	679	679	680	679	678	680	676	677	674	675	Midnight
1h	679	679	681	682	680	681	679	679	679	678	678	679	675	676	675	674	1h
2	678	680	681	682	680	681	679	679	679	678	678	678	674	676	673	674	2
3	677	678	680	681	680	680	680	680	678	678	678	677	673	676	672	673	3
4	677	678	679	681	680	680	680	680	678	679	678	677	673	675	673	673	4
5	676	677	679	681	678	680	680	681	678	679	678	678	673	675	674	673	5
6	676	676	678	680	679	680	680	681	679	680	679	678	673	674	673	673	6
7	675	675	677	679	678	679	678	679	679	679	677	676	672	673	671	672	7
8	675	676	677	680	678	679	680	680	678	679	678	678	673	675	672	674	8
9	678	681	682	683	678	681	682	681	679	680	680	682	676	678	678	679	9
10	684	682	682	683	680	682	683	682	683	680	681	683	678	679	686	682	10
11	680	684	681	683	679	682	682	683	681	680	679	680	678	678	683	682	11
Noon	681	676	678	682	677	681	679	683	678	680	671	672	673	674	677	678	Noon
13h	680	671	678	670	670	681	674	677	670	676	668	663	670	670	670	669	13h
14	676	671	679	669	668	678	668	667	665	673	669	664	668	665	669	666	14
15	677	671	676	670	671	674	668	664	668	672	670	668	671	660	670	668	15
16	678	673	674	676	676	675	673	665	673	676	673	672	673	661	671	671	16
17	681	677	675	680	680	681	679	670	679	680	676	677	676	669	674	674	17
18	681	671	680	682	682	683	681	676	684	682	680	679	678	672	675	676	18
19	680	681	679	681	682	682	681	680	684	682	680	680	679	674	676	676	19
20	680	680	681	680	682	682	681	681	683	682	680	680	679	675	677	677	20
21	680	680	682	680	681	682	680	681	682	681	680	680	679	676	677	678	21
22	680	680	682	681	680	680	680	681	681	680	680	680	680	676	677	678	22
23	680	681	682	680	680	680	680	680	680	679	680	679	677	676	677	680	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	676	673	673	671	670	668	668	665	663	662	663	659	658	658	668	672·8	Midnight
1h	676	672	673	672	670	668	668	665	663	661	662	658	657	658	667	672·4	1h
2	675	673	673	672	670	668	666	666	662	660	662	657	656	657	666	672·0	2
3	674	673	673	672	670	668	666	666	662	660	660	657	655	656	665	671·5	3
4	673	673	673	672	670	668	666	667	662	660	660	657	655	656	664	671·5	4
5	673	673	673	672	670	668	666	667	663	660	660	657	655	656	662	671·5	5
6	673	673	672	672	670	668	669	667	663	661	660	658	656	654	661	671·5	6
7	672	671	670	670	668	666	668	666	661	661	658	658	654	654	659	670·2	7
8	672	671	671	672	668	668	668	669	661	663	660	659	657	655	659	671·1	8
9	678	671	674	674	672	672	668	673	667	667	665	662	662	656	662	674·2	9
10	680	670	673	673	672	673	669	669	673	667	665	664	663	657	666	675·6	10
11	678	670	669	673	668	670	668	668	670	663	665	664	662	657	664	674·3	11
Noon	670	669	665	672	667	660	663	662	666	653	662	663	658	656	657	670·4	Noon
13h	665	664	664	662	666	648	658	652	656	648	650	661	652	652	653	668·0	13h
14	665	663	662	656	667	645	657	649	649	648	643	656	648	653	646	662·0	14
15	665	665	658	658	663	647	657	649	647	648	641	651	650	654	646	661·8	15
16	666	666	658	662	663	656	659	653	652	651	647	649	655	655	649	664·5	16
17	671	668	664	668	667	666	663	660	658	656	656	655	660	664	654	669·6	17
18	673	670	669	671	670	670	667	665	663	662	659	659	661	672	659	672·6	18
19	674	671	670	671	670	670	667	666	665	663	661	659	662	669	660	673·4	19
20	674	672	670	672	669	669	666	668	666	664	662	660	662	669	661	673·7	20
21	675	673	670	672	669	668	666	667	666	665	662	660	662	669	661	673·7	21
22	675	672	671	670	669	668	666	666	666	665	662	660	663	669	663	673·6	22
23	675	673	671	670	669	668	665	666	667	665	661	660	662	669	663	673·4	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of JULY 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
JULY	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	974·6	17·5	1·5	15·1	86	17·0	120	5·8	9	16·3	17·5	17·7	16·5	19·9	14·8	5·1	3·0	6·1	56
2	976·2	17·5	0·7	16·2	92	18·2	110	6·3	10	16·5	16·8	19·2	15·0	20·9	16·4	4·5	9·0	8·3	76
3	973·4	17·4	1·1	15·4	88	17·3	130	8·9	2	15·6	18·0	18·5	17·0	19·3	14·8	4·5	3·7	4·1	38
4	970·5	17·3	0·8	15·8	91	17·8	120	5·4	10	16·0	17·5	19·5	16·0	20·7	15·3	5·4	7·7	4·3	40
5	970·9	18·9	2·9	13·6	73	15·7	115	6·7	7	16·0	16·9	18·5	16·5	20·9	14·7	6·2	9·9	8·3	76
6	972·2	19·4	2·8	14·3	73	16·2	95	5·8	6	15·9	18·0	20·0	17·0	21·9	13·6	8·3	0·0	10·1	93
7	971·7	18·3	2·0	14·6	79	16·5	95	6·7	8	17·0	17·0	20·0	17·4	21·6	16·3	5·3	7·9	6·4	59
8	971·4	19·1	2·8	14·0	72	15·8	110	5·4	1	15·5	18·8	20·3	17·0	21·4	13·8	7·6	0·8	9·0	83
9	971·3	19·8	1·0	18·0	89	20·4	120	0·5	10	17·0	19·0	21·9	18·0	22·9	16·1	6·8	0·6	3·7	34
10	972·9	20·5	3·0	19·9	96	23·0	150	2·2	6	17·5	19·5	20·5	17·4	22·5	15·8	6·7	1·2	10·1	93
11	972·1	19·0	1·8	15·7	81	17·7	110	2·7	9	17·4	18·5	20·4	17·1	22·4	15·9	6·5	1·8	5·0	46
12	972·0	20·5	3·5	14·2	67	16·1	115	3·6	1	16·2	20·0	21·0	16·5	22·9	15·2	7·7	0·0	10·3	94
13	972·4	20·1	3·0	14·7	71	16·6	90	1·8	1	15·9	19·0	21·2	16·6	22·6	15·6	7·0	1·3	10·5	95
14	972·4	19·4	2·3	15·2	77	17·1	125	2·7	9	15·3	19·5	20·0	17·5	21·9	14·3	7·6	0·3	7·9	72
15	971·5	19·1	0·8	17·6	91	19·9	90	0·9	10	17·5	19·1	21·5	18·0	22·8	16·4	6·4	4·5	3·0	27
16	972·6	21·4	2·9	16·3	73	18·4	95	5·4	6	16·6	20·5	21·6	18·1	23·6	16·0	7·6	0·9	9·2	84
17	973·5	19·5	1·9	16·1	81	18·1	140	4·9	8	17·7	19·0	20·0	17·7	22·2	16·8	5·4	0·2	3·3	30
18	972·5	18·7	1·3	16·3	86	18·4	100	3·6	10	17·4	18·5	21·5	18·5	22·9	16·8	6·1	0·4	2·4	22
19	972·3	19·8	3·1	13·7	68	15·5	100	3·6	10	17·3	19·0	20·2	16·7	22·6	16·5	6·1	0·8	1·8	16
20	972·5	20·0	2·7	15·2	74	17·1	90	4·0	8	17·4	18·0	20·8	17·5	22·4	15·5	6·9	4·9	6·0	55
21	972·5	21·1	3·9	14·2	65	16·1	120	2·7	3	17·0	20·0	20·2	17·5	22·4	15·5	6·9	1·1	4·8	44
22	970·0	20·3	2·1	16·5	79	18·6	110	2·2	15	17·0	19·5	22·0	16·2	22·9	16·0	6·9	1·8	9·9	90
23	968·6	20·9	3·5	14·6	67	16·5	70	0·5	4	16·0	19·5	20·2	15·0	21·1	14·9	6·2	0·0	3·9	35
24	969·3	20·1	3·6	13·7	66	15·5	Calm		7	13·5	17·5	20·3	17·2	22·4	11·4	11·0	0·0	4·7	42
25	972·1	18·2	2·7	13·3	73	15·1	140	8·9	1	16·2	15·5	18·0	15·5	20·1	13·8	6·3	6·0	9·7	87
26	973·2	22·4	3·1	17·0	72	19·2	110	8·5	1	15·0	16·4	18·0	16·3	19·4	13·8	5·6	1·8	5·6	50
27	974·1	16·9	1·6	13·9	82	15·7	110	6·7	10	16·1	16·3	18·2	16·0	19·5	14·8	4·7	4·0	4·8	43
28	972·6	19·4	1·9	16·0	81	18·0	100	4·0	7	15·5	18·2	20·8	16·5	22·0	14·5	7·5	1·5	7·1	64
29	971·5	20·1	2·8	15·1	73	17·0	110	3·1	10	17·0	17·0	20·0	16·9	22·4	15·8	6·6	0·0	6·5	59
30	971·6	19·5	2·2	15·5	78	17·4	115	5·8	3	16·5	18·7	20·5	17·2	22·3	15·7	6·6	0·3	9·7	87
31	972·5	20·2	2·3	16·1	77	18·1	120	4·5	8	17·0	20·2	19·6	18·0	22·1	15·8	6·3	1·4	5·8	52
Mean	972·2	19·4	2·3	15·4	78·0	17·4	111·8	4·3	6	16·4	18·4	20·1	16·9	21·8	15·2	6·5	76·8	6·53	59·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	42·7mbs.	Amount of rain	—	45·0mms.
Temperature of the Air	+	0·4°C	Duration of sunshine	+	22·1hrs
Vapour Tension	+	0·5mbs.	Mean of maximum temperatures	+	1·7°C
Relative Humidity	—	9·7%	,, minimum temperatures	+	1·4°C
Velocity of Wind		0·0mps.	Absolute maximum temperature	—	1·0°C
Amount of Cloud	—	0·3	,, minimum temperature	—	2·4°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JULY 1934

Month and Day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
JULY	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	1016·9	+ 3·2	22·9	17·0	5·9	19·2	− 0·8	2·2	15·2	− 0·5	78	+ 2	17·1	15·0	2·4	47	3·2	6·0
2	1017·7	+ 3·9	23·0	16·9	6·1	19·5	− 0·5	2·8	14·4	− 1·3	73	− 3	16·3	14·8	1·0	12	4·6	7·7
3	1014·9	+ 1·1	22·0	17·1	4·9	19·0	− 1·0	1·5	16·3	+ 0·6	84	+ 8	18·4	14·6	1·6	9	2·6	7·7
4	1012·3	− 1·6	22·3	17·2	5·1	19·5	− 0·5	1·9	16·1	+ 0·4	81	+ 5	18·1	15·8	1·0	17	3·2	7·5
5	1012·8	− 1·1	22·6	17·0	5·6	19·2	− 0·8	3·1	13·6	− 2·1	70	− 6	15·4	14·9	0·3	5	4·3	5·9
6	1013·9	0·0	23·0	15·2	7·8	19·5	− 0·5	3·2	13·7	− 2·0	69	− 7	15·5	15·2	0·2	4	4·0	2·9
7	1013·4	− 0·6	23·3	17·8	5·5	20·1	+ 0·2	2·3	16·0	+ 0·4	77	− 1	18·0	15·4	2·9	60	4·3	4·4
8	1012·7	− 1·3	23·2	15·2	8·0	19·5	− 0·4	2·4	15·2	− 0·4	76	0	17·1	12·6	0·1	2	4·1	2·7
9	1012·7	− 1·3	24·2	17·0	7·2	20·4	+ 0·5	1·7	17·4	+ 1·8	83	+ 7	19·7	13·6	0·0	...	3·3	5·2
10	1014·1	+ 0·1	23·9	17·0	6·9	20·3	+ 0·4	2·4	16·0	+ 0·4	76	0	18·0	14·8	2·8	14	5·1	2·9
11	1013·5	− 0·5	23·9	17·8	6·1	20·1	+ 0·2	1·9	16·7	+ 1·1	81	+ 5	18·8	16·0	0·8	15	2·1	6·1
12	1013·4	− 0·6	24·0	14·9	9·1	19·5	− 0·3	2·2	15·5	0·0	78	+ 2	17·4	15·2	0·4	11	4·1	4·9
13	1014·0	0·0	24·1	14·2	9·9	18·7	− 1·1	2·6	13·9	− 1·6	73	− 3	15·7	10·4	0·9	10	4·6	2·5
14	1013·7	− 0·3	23·5	13·8	9·7	19·0	− 0·8	1·6	16·1	+ 0·6	83	+ 7	18·1	9·6	1·0	10	2·5	4·3
15	1013·0	− 1·0	24·2	18·2	6·0	20·8	+ 1·0	1·7	17·8	+ 2·3	83	+ 7	20·2	17·2	1·0	5	3·7	7·9
16	1014·4	+ 0·4	24·6	18·0	6·6	20·9	+ 1·1	2·0	17·3	+ 1·8	80	+ 4	19·6	17·2	0·0	...	4·0	3·7
17	1015·1	+ 1·1	23·8	18·2	5·6	20·6	+ 0·8	2·0	17·0	+ 1·5	80	+ 4	19·2	17·0	0·3	6	3·6	5·2
18	1014·5	+ 0·5	24·3	18·4	5·9	21·0	+ 1·2	2·6	16·4	+ 0·9	75	− 1	18·5	16·2	0·5	5	4·3	8·5
19	1014·2	+ 0·2	23·9	18·8	5·1	20·5	+ 0·7	2·2	16·6	+ 1·3	78	+ 2	18·7	17·0	0·2	4	3·9	8·4
20	1013·5	+ 0·5	24·3	17·9	6·4	20·6	+ 0·8	2·2	16·7	+ 1·4	78	+ 2	18·8	16·2	1·5	26	4·7	7·2
21	1013·5	− 0·5	23·3	16·3	7·0	19·8	0·0	1·9	16·4	+ 1·1	81	+ 5	18·5	14·4	0·4	8	2·4	5·9
22	1011·2	− 2·8	24·0	15·3	8·7	20·1	+ 0·4	2·4	15·8	+ 0·6	86	+ 11	17·8	12·2	0·3	5	4·2	4·7
23	1009·6	− 4·4	24·2	14·9	9·3	19·0	− 0·7	2·7	14·1	− 1·1	73	− 2	15·9	10·2	0·1	2	4·2	2·2
24	1019·9	− 3·1	23·7	14·0	9·7	18·8	− 0·9	2·0	15·1	− 0·1	79	+ 4	17·0	11·6	0·2	4	3·2	5·8
25	1014·3	+ 0·3	23·0	17·6	5·4	19·6	− 0·1	3·1	14·0	− 1·2	70	− 5	15·8	15·8	0·2	6	5·2	3·7
26	1016·2	+ 2·2	22·5	16·9	5·6	19·5	− 0·2	4·2	11·9	− 3·3	62	− 13	13·8	15·0	0·7	13	4·8	7·0
27	1015·4	+ 1·4	22·3	17·0	5·3	19·7	0·0	3·0	14·3	− 0·9	71	− 4	16·2	13·6	4·1	34	5·9	6·5
28	1013·7	− 0·3	23·6	15·9	7·7	19·5	− 0·2	2·0	15·9	+ 0·7	80	+ 5	17·9	15·6	4·2	73	4·9	7·6
29	1012·9	− 1·1	23·9	16·1	7·8	19·8	+ 0·1	2·2	15·8	+ 0·6	78	+ 3	17·8	14·2	0·2	4	2·7	6·1
30	1013·3	− 0·7	23·9	16·1	7·8	20·1	+ 0·4	2·3	16·0	+ 0·8	77	+ 2	18·0	14·0	0·0	...	3·8	3·8
31	1014·5	+ 0·5	23·7	16·8	6·9	20·1	+ 0·4	1·7	17·1	+ 1·9	83	+ 8	19·3	13·0	2·5	54	7·2	6·2
Mean	1013·8	− 0·2	23·5	16·6	6·9	19·8	0·0	2·3	15·6	+ 0·2	77·3	+ 1·6	17·6	14·5	Sum 31·8	Sum 466	4·0	5·5
Aver.	1014·0	...	23·7	16·5	7·2	19·8	...	2·4	15·4	...	75·7	...	17·4	13·1	59·6	1281	3·6	5·0
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JULY 1934.

The main features of the month were a large defect in rainfall, with the humidity in the mean in excess of average, and a defect in wind velocity.

Pressure and Temperature underwent a succession of positive and negative oscillations of but small amplitudes on the whole, in the mean for the month both these were normal.

The defect in rainfall amounted to 47% of the Normal at the Observatory.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JULY 1934.

Month and Day, 1934.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather
JULY	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
1	7·1	65	3·7	0·0	25·1	24·3	22·5	21·2	b : bcd : b . bc : or_0r_0 : o od .
2	8·2	75	4·2	+ 0·5	25·1	24·3	22·3	21·3	c : bcd_0 : bc : c : cd_0 .
3	3·0	28	3·2	− 0·6	25·1	24·3	22·3	21·2	o : cr_0 : bc : cg : cr : bc .
4	4·8	44	3·6	− 0·2	25·1	24·1	22·2	21·2	c : cr_0 : cgd_0 : c : bc : cd_0 .
5	9·4	86	3·9	+ 0·1	25·1	24·3	22·2	21·2	cd_0 : c : bc .
6	9·8	90	4·0	+ 0·2	25·0	23·9	22·2	21·1	c : b : bc : b : bd_0 .
7	7·7	71	4·2	+ 0·4	25·1	24·2	22·1	21·0	b : c : crr : bcq : b .
8	10·1	93	3·3	− 0·5	25·1	24·1	22·1	21·0	b ; bc .
9	5·9	46	2·8	− 1·0	25·0	24·0	22·1	21·2	b : bc ; c : b .
10	10·0	92	3·1	− 0·7	25·0	23·9	22·1	21·4	cR : c . b : bc : b : bcd_0 .
11	5·6	51	3·0	− 0·8	25·0	23·9	22·1	21·5	bc : c : bc . cr_0 .
12	8·3	75	1·9	− 1·9	25·0	24·0	22·1	21·6	or_0 : c ; or_0 : bc : b .
13	10·2	93	1·8	− 2·0	24·9	23·9	22·2	21·4	bc : cr_0 : b .
14	8·1	74	2·6	− 1·2	24·9	23·9	22·2	21·4	b : cgr_0 : bc : bcd_0 ; c .
15	4·9	45	2·4	− 1·4	24·9	23·9	22·2	21·4	cr_0 : c .
16	9·6	87	2·9	− 0·9	24·9	23·9	22·2	21·7	bc : b .
17	5·6	51	3·6	− 0·2	25·0	23·9	22·2	22·0	b : c : cd_0 : bc d_0 .
18	5·4	49	2·5	− 1·3	24·9	23·9	22·3	22·0	c : og : ogd_0 : o : c .
19	3·5	32	2·6	− 1·2	24·9	23·9	22·4	22·2	c : o : cd_0 : c .
20	8·6	78	2·7	− 1·1	25·0	23·9	22·4	22·2	c : bc : o : c : or_0r_0 .
21	3·7	34	2·4	− 1·4	25·0	23·8	22·5	22·3	c : bc : od_0 : c : bcd_0 .
22	9·6	87	2·7	− 1·1	25·0	23·9	22·5	22·1	bc : cd_0 : c : cd_0 bc : b .
23	9·4	85	2·0	− 1·8	24·8	23·7	22·5	22·0	b : bc : b : b_0 .
24	4·7	42	2·0	− 1·8	25·0	23·9	22·5	21·9	b : bc : o : od_0d_0 .
25	9·5	86	4·9	+ 1·2	25·0	23·9	22·5	21·8	c : bc ; b : bcq_0 : b .
26	8·6	78	5·4	+ 1·7	24·9	23·7	22·4	21·7	bc : $cr_0r_0q_0$: cq : c .
27	8·9	80	5·7	+ 2·0	25·0	23·7	22·3	21·5	oqrr : oQ : bc : b .
28	5·6	50	2·9	− 0·8	24·8	23·6	22·3	21·3	bc . crr : bc : c : ● .
29	5·1	46	2·8	− 0·9	24·8	23·6	22·1	21·5	od_0d_0 : bc : c : b .
30	10·1	91	3·1	− 0·6	25·0	23·8	22·2	21·4	bc : c : b : bc : b .
31	4·5	40	3·3	− 0·4	24·6	23·6	22·2	21·5	bc : b : c . c r_0r_0 : bc .
Mean	7·25	65·9	3·20	−0·57	25·0	23·9	22·27	21·55	.....
Average	7·57	68·6	3·77	...	25·23	24·42	22·62	21·93	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JULY 1934.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1018·9mbs	at	10.00hrs.	on 2nd	1007·9mbs	at	15·00hrs.	on 23rd
Temperature of the Air	24·6°C	at	13.50hrs.	on 16th	13·8°C	at	04.50hrs	on 14th
Daily range of temperature of the Air ...	9·9°C		...	on 13th	4·9°C		.	on 3rd
Temperature of the Dew Point	19·2°C	at	09.00hrs.	on 9th	9·4°C	at	05·00hrs.	on 26th
Daily range of temperature of the Dew Point	6·2°C		...	on 24th	1·5°C		...	on 17th
Minimum on Grass	...		...	...	9·6°C		...	on 14th
Relative humidity	94·7%	at	22.00hrs.	on 20th	47·0%	at	15·00hrs	on 13th
Vapour Pressure	22·0mbs.	at	09·00hrs.	on 9th	11·7mbs.	at	05.00hrs.	on 26th
Wind Velocity	8·5m.p.s.	at	13.00hrs.	on 27th	0·6mps		often	...
Rainfall in 24 hours	2·6mms.	ending	08·00hrs	on 10th	...		...	...
Evaporation in 24 hours...	7·2mms		...	on 31st	2·1mms		...	11th
Duration of sunshine	10·2hrs		...	on 13th	3 ohrs		...	on 3rd

Mean Day Temperature of Air, 21·41°C. Average 21·57°C. Mean Night Temperature of Air, 18·78°C. Average 18·15°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	5	17	9	...	16	12	...	...	...	...	...

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 1934.

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	169	179	175	135	130	141	147	141	128	141	150	140	140	151	140	140	Midnight
1h	168	178	171	130	130	140	140	140	123	140	142	137	141	150	138	138	1h
2	161	176	169	125	123	140	136	132	121	138	135	131	140	149	136	135	2
3	161	173	161	121	120	139	132	130	120	136	130	129	136	144	131	135	3
4	159	172	160	120	117	134	130	130	118	133	130	129	132	141	130	135	4
5	160	175	157	120	119	134	130	130	119	133	130	127	131	140	127	136	5
6	161	175	159	120	120	137	131	129	120	136	132	130	133	140	129	139	6
7	163	179	160	121	124	140	133	130	126	140	137	132	139	141	131	141	7
8	170	186	167	129	130	145	140	134	130	143	140	140	143	143	136	148	8
9	174	188	166	120	133	150	142	139	138	149	149	149	149	149	140	151	9
10	174	189	164	130	136	150	141	139	140	151	150	150	150	150	140	152	10
11	172	183	160	129	131	149	140	134	139	150	142	146	149	149	137	150	11
Noon	168	179	152	126	129	142	133	129	130	143	139	138	142	137	131	147	Noon
13h	161	171	139	117	120	135	130	120	120	137	130	129	138	128	124	140	13h
14	160	168	132	111	118	126	123	111	115	130	122	121	131	121	112	136	14
15	158	168	130	110	117	123	120	110	112	130	120	120	129	120	111	135	15
16	161	170	130	111	120	127	120	110	113	131	121	121	129	120	112	137	16
17	166	171	131	112	122	130	122	111	120	135	121	129	131	121	119	139	17
18	170	173	133	120	130	132	129	115	124	140	124	130	133	124	121	142	18
19	177	174	135	122	132	136	131	120	132	143	130	130	139	129	124	150	19
20	180	179	139	124	139	141	138	125	138	150	133	134	145	131	130	152	20
21	181	181	140	130	140	144	143	129	140	151	138	140	150	134	134	157	21
22	181	183	139	131	140	149	149	130	140	151	141	141	151	137	138	156	22
23	180	181	136	130	143	149	146	130	142	150	140	141	151	138	139	158	23

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. / Hour
Midnight	158	155	150	150	146	125	109	100	129	161	166	156	136	137	137	1014·4	Midnight
1h	158	151	148	148	143	121	107	100	130	162	162	151	131	136	138	1014·2	1h
2	156	149	143	143	140	120	101	099	130	161	155	149	129	132	139	1013·8	2
3	151	144	140	142	139	115	096	099	131	160	151	141	124	130	140	1013·6	3
4	150	140	138	141	136	111	095	099	131	159	150	138	122	130	140	1013·4	4
5	149	140	138	144	136	112	096	100	133	158	147	136	121	126	139	1013·4	5
6	149	142	140	149	139	116	099	102	136	159	150	138	122	128	139	1013·5	6
7	151	148	141	157	140	120	102	109	143	161	151	141	127	130	140	1013·9	7
8	156	152	148	160	147	123	107	113	150	169	158	147	131	136	142	1014·4	8
9	160	159	150	160	151	128	109	119	153	172	166	150	139	140	150	1014·8	9
10	160	156	151	160	151	130	109	120	154	177	171	149	140	141	151	1014·9	10
11	160	150	146	155	150	122	103	114	150	174	167	144	136	139	150	1014·6	11
Noon	152	143	142	147	140	116	097	110	149	170	166	140	131	134	148	1014·0	Noon
13h	141	137	136	138	131	109	090	103	141	160	154	131	127	130	140	1013·2	13h
14	139	133	131	131	126	100	084	101	135	154	151	123	121	123	138	1012·7	14
15	138	130	130	130	121	096	079	100	131	150	141	121	120	121	136	1012·4	15
16	139	131	131	130	121	094	080	100	133	150	141	121	120	123	139	1012·5	16
17	140	134	137	132	122	099	081	101	139	151	142	123	121	127	141	1012·5	17
18	142	139	140	136	127	101	084	105	141	152	149	127	125	131	142	1013·2	18
19	149	147	141	139	129	105	087	110	148	160	149	129	129	134	148	1013·6	19
20	153	150	146	142	130	110	094	117	152	166	153	132	132	140	151	1014·0	20
21	156	151	150	150	131	111	100	124	155	169	152	140	139	140	156	1014·4	21
22	157	151	151	150	130	112	101	127	160	166	157	140	140	140	160	1014·5	22
23	156	150	150	149	129	111	100	130	161	167	159	139	140	140	161	1014·5	23

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

Hour. \ Day.	JULY 1934.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	3	9	10	8	9	5	2	2	2	1	2	9	2	1	7	5	2	8	8	8	9	3	1	0	10	3	9	4	10	3	3	5·1
1h	2	9	9	9	10	4	2	1	2	2	3	10	3	1	8	4	2	9	8	7	9	3	0	1	8	4	10	5	9	4	6	5·3
2	3	8	10	9	8	6	2	1	1	9	4	10	3	1	9	4	3	9	9	6	8	4	0	1	8	4	10	5	10	7	7	5·8
3	3	8	9	8	7	8	1	3	2	8	3	9	4	1	10	3	3	10	8	3	6	7	1	1	8	3	10	9	10	10	4	5·8
4	4	9	8	7	7	3	8	3	2	2	4	8	4	1	9	3	4	10	9	2	4	9	1	1	6	5	9	9	10	10	3	5·6
5	4	8	8	8	5	2	8	1	5	2	5	6	4	2	9	6	4	10	9	8	4	9	1	1	4	10	10	10	9	6	2	5·8
6	1	7	3	7	9	1	10	1	7	1	10	10	9	1	9	7	3	10	10	10	4	9	4	1	2	2	10	10	9	2	1	5·8
7	1	7	3	8	9	1	10	1	7	1	7	9	9	1	7	7	3	10	10	10	4	6	4	1	2	2	10	8	7	2	2	5·4
8	3	7	5	8	4	1	9	1	7	1	7	9	5	2	7	7	4	10	10	9	4	6	4	1	1	4	8	4	7	2	3	5·2
9	3	6	3	7	4	6	9	1	9	1	8	8	1	5	8	9	6	10	9	7	4	8	4	1	1	8	7	2	7	2	3	5·4
10	7	6	9	9	5	2	5	2	9	1	5	3	1	9	8	6	7	9	5	5	9	6	5	3	3	8	3	4	10	4	6	5·7
11	6	6	9	7	5	3	5	2	8	2	5	3	1	9	8	5	8	5	5	5	10	7	5	6	4	8	3	4	9	4	8	5·7
Noon	6	7	10	9	5	4	1	5	7	3	4	3	2	7	8	3	9	10	10	4	7	8	4	8	6	9	4	7	9	4	10	6·2
13h	7	7	9	7	5	3	4	5	8	3	8	3	2	6	8	2	9	5	9	4	8	7	4	9	4	9	4	6	7	3	10	6·0
14	8	8	7	8	4	3	4	5	9	4	8	5	1	6	8	2	9	3	9	7	8	6	4	10	3	8	5	6	7	2	9	6·0
15	5	5	9	7	3	2	5	5	10	5	9	3	1	6	8	2	9	6	9	7	9	4	4	10	3	8	7	8	6	2	9	6·0
16	5	7	9	7	3	2	4	4	10	5	9	3	1	4	8	2	9	6	9	7	8	4	4	10	3	9	6	9	5	2	10	5·9
17	10	7	9	4	4	1	4	4	7	2	5	1	1	2	8	2	7	9	9	7	8	1	1	10	2	9	5	10	2	2	10	5·3
18	10	8	9	4	4	1	2	3	4	1	4	1	1	2	7	2	4	9	7	7	7	1	1	10	2	10	3	10	1	4	8	4·8
19	10	8	9	4	4	1	2	3	4	1	4	1	1	4	7	2	4	9	7	9	7	1	1	10	2	10	4	10	1	4	7	4·9
20	10	9	8	7	7	2	2	3	3	2	6	1	1	6	8	2	2	9	7	10	2	1	1	10	1	8	4	10	1	4	7	5·0
21	10	9	7	9	7	3	3	3	1	3	0	2	1	7	8	2	2	9	8	10	2	1	0	10	1	9	4	10	1	3	7	5·1
22	10	9	6	9	7	3	2	3	1	3	8	2	1	7	7	2	4	9	9	10	2	1	0	10	4	8	5	10	1	3	7	5·3
23	9	10	7	9	8	3	2	3	1	4	8	2	1	8	7	2	5	9	9	10	2	1	0	9	4	7	8	10	1	3	7	5·5

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

Hour Ending. \ Day.	JULY 1934.																															
	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	5	10	0	0	0	3	0	20	0	12	0	15	13	17	5	0	0	0	0	0	0	0	0	22	0	10	0	0	0	24	16	2·9
8	54	17	20	5	20	60	0	60	0	60	31	3	60	60	55	44	55	0	0	12	12	45	23	60	40	60	20	0	39	60	60	17·2
9	60	40	54	45	60	42	4	60	12	60	52	60	60	50	54	53	53	0	6	30	40	55	50	60	60	60	40	30	58	60	59	23·8
10	50	35	42	30	60	60	60	60	8	60	60	60	60	27	50	56	44	25	56	54	40	60	60	55	60	39	58	60	20	58	50	25·3
11	43	55	56	30	60	54	60	52	37	60	60	60	60	4	36	60	50	40	55	60	6	60	60	36	60	49	60	58	34	60	34	25·2
Noon	31	45	5	2	60	60	60	55	60	54	60	60	60	35	2	60	35	0	24	60	34	50	60	25	60	52	58	47	52	45	18	22·1
13h	46	50	0	15	60	60	60	60	60	60	27	50	60	60	3	60	42	43	20	60	50	60	60	0	60	60	60	56	12	60	32	23·4
14	30	58	0	17	60	60	60	60	55	60	31	25	60	60	40	60	36	60	7	60	28	60	60	10	60	55	60	33	1	60	0	21·9
15	50	53	3	51	60	60	58	60	7	60	15	45	60	60	27	60	24	60	34	60	0	60	60	0	60	53	58	10	22	60	4	21·6
16	20	60	0	55	60	60	58	52	22	58	0	60	60	55	20	60	4	60	2	60	10	60	60	0	60	55	60	42	39	60	0	21·2
17	35	58	0	41	58	57	43	58	37	55	0	55	58	54	0	60	5	35	6	56	0	55	60	15	50	22	60	0	27	49	0	18·5
18	0	10	0	0	7	10	0	9	2	1	0	6	0	3	0	2	0	0	0	3	0	10	10	0	0	0	2	0	0	7	0	1·4
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 224.5 hrs. and the total possible sunshine was 340·9 hrs.

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

(To obtain temperatures on the Absolute Scale add 273)

JULY 1934.

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

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

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

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

JULY 1934.

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during JULY 1934.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

JULY 1934.

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

Hour	17d. Dir.	17d. Vel.	18d. Dir.	18d. Vel.	19d. Dir.	19d. Vel.	20d. Dir.	20d. Vel.	21d Dir.	21d Vel.	22d. Dir.	22d. Vel.	23d. Dir.	23d. Vel.	24d. * Dir.	24d. * Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. Dir.	27d. Vel.	28d. Dir.	28d. Vel.	29d. Dir.	29d. Vel.	30d. Dir.	30d. Vel.	31d Dir.	31d Vel.	Mean Velocity
Midnight	11	2·2	11	2·1	11	1·1	11	2·2	11	2·0	11	2·5	11	1·3	12	2·4	14	2·2	11	4·4	10	4·0	08	2·2	10	1·1	12	2·2	12	3·8	2·4
1h	11	2·0	11	3·2	12	1·9	11	2·1	09	2·3	11	2·9	11	1·3	12	2·2	14	2·1	12	4·2	11	3·7	10	2·0	10	1·9	11	2·6	11	3·6	2·3
2	11	2·4	11	2·7	11	1·6	11	2·0	09	1·4	11	2·2	11	1·8	12	2·2	14	2·0	12	4·4	09	4·4	08	1·9	10	1·5	09	2·4	10	3·0	2·3
3	11	2·4	10	2·4	11	1·8	10	2·5	11	1·9	13	2·9	11	1·0	12	2·9	13	4·4	11	4·0	08	6·1	11	2·5	10	1·6	11	1·8	10	2·7	2·5
4	11	2·8	10	2·1	11	2·3	10	1·3	11	2·0	12	3·0	11	1·9	12	2·6	12	2·7	10	4·2	09	6·0	11	2·1	11	2·2	11	1·8	12	2·5	2·5
5	11	2·8	10	1·9	11	1·8	10	2·3	11	1·7	12	3·1	11	2·3	12	2·7	13	4·4	11	3·2	10	5·7	11	2·1	11	2·3	11	1·1	12	2·6	2·4
6	11	3·2	10	1·9	05	1·9	10	1·8	11	2·0	12	2·9	11	1·8	12	3·0	14	3·5	12	4·4	09	6·5	11	2·3	11	2·0	11	1·9	12	2·0	2·5
7	10	2·6	11	2·0	11	1·7	09	2·9	11	1·7	12	1·8	05	1·5	12	2·4	14	3·2	11	4·1	10	6·5	11	2·7	11	2·1	11	1·6	11	2·2	2·4
8	10	3·3	11	1·8	13	1·1	08	1·8	11	1·0	11	1·8	05	1·1	12	1·6	12	3·9	09	5·6	09	6·9	11	1·4	11	2·0	11	2·3	11	2·8	2·5
9	09	4·9	05	2·4	11	2·1	09	3·5	11	1·3	10	3·9	05	1·0	12	0·8	12	4·7	10	6·8	09	7·2	11	3·0	11	3·3	12	3·3	12	4·2	3·6
10	09	5·1	10	2·9	09	4·4	07	4·4	10	1·9	12	3·8	07	2·0	10	0·7	12	5·7	09	6·7	09	8·0	06	3·9	11	3·5	11	4·3	11	4·8	4·3
11	09	6·1	12	3·5	08	3·7	09	4·4	11	3·8	09	4·5	05	2·7	04	1·1	13	6·4	12	6·4	09	8·2	08	4·6	11	3·7	10	4·6	09	3·7	4·7
Noon	09	5·4	09	4·4	11	4·9	07	4·4	10	4·2	10	4·0	05	2·5	28	1·3	12	7·0	11	7·2	08	7·6	07	4·4	10	3·9	10	4·6	11	4·4	4·7
13h	09	5·4	11	3·2	10	3·7	06	4·8	12	4·3	08	4·2	05	3·0	25	2·1	12	6·7	10	7·1	08	8·5	09	4·4	11	4·0	08	4·6	11	5·1	4·7
14	09	5·9	08	3·7	10	3·4	08	4·0	10	4·2	11	4·5	07	2·7	26	1·3	11	6·7	10	7·4	09	6·8	12	4·1	10	3·9	10	4·4	09	3·9	4·6
15	07	4·8	09	3·4	09	4·5	09	4·2	11	3·6	11	3·8	06	2·6	25	1·3	12	6·9	11	7·9	11	8·0	08	4·1	11	3·6	10	4·5	09	3·9	4·6
16	06	3·2	09	3·7	10	4·2	09	3·7	11	3·1	09	3·6	05	2·6	21	2·3	12	7·1	12	6·6	10	6·9	07	4·0	12	4·4	11	4·9	10	3·2	4·4
17	09	4·1	11	2·2	07	2·8	10	2·9	12	2·1	11	2·1	06	1·8	22	1·9	12	6·1	11	5·7	10	6·3	06	3·0	11	3·5	11	3·5	09	3·3	3·6
18	10	3·0	11	1·7	11	3·0	11	2·2	11	2·8	11	1·7	06	1·4	22	0·8	12	5·4	09	5·0	09	4·4	11	2·3	11	2·3	11	2·6	11	3·1	2·8
19	10	3·6	11	1·8	11	2·5	11	1·7	11	0·9	11	1·0	12	2·4	11	2·4	11	5·2	10	4·6	10	3·8	12	2·8	11	2·3	11	2·6	11	3·0	2·6
20	09	3·2	11	2·1	11	2·2	11	2·2	11	2·4	11	1·2	12	1·7	14	3·1	12	4·4	11	4·2	10	3·6	12	3·4	11	2·4	11	2·1	10	3·5	2·6
21	09	3·1	11	2·5	11	1·6	07	1·9	11	2·5	11	1·1	12	1·3	13	1·8	12	4·1	09	4·9	09	3·9	12	2·8	12	2·8	11	4·1	10	4·2	2·7
22	09	2·5	11	2·1	11	2·4	07	1·5	11	1·8	11	1·0	12	2·2	12	3·1	12	5·1	09	5·4	07	3·0	10	2·7	12	2·7	12	3·2	10	3·0	2·7
23	09	2·1	11	1·4	11	2·3	07	0·8	11	1·9	11	1·6	12	2·1	13	1·7	12	5·5	11	4·5	08	2·3	10	1·9	12	2·4	12	3·4	10	2·4	2·4

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), JULY, 1934.

Hour	Force (0–12): 8 or above	4 to 7	0 to 3	Direction: N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	1	30	...	...	...	...	3	4	24	...	...	...	.	...	...	...	...	...
9	...	2	29	...	...	2	...	5	8	16	...	...	..	...	...	...	...	...	...
15	...	9	22	...	...	...	1	11	7	11	.	...	...	...	...	1	...	...	...
21	...	...	31	...	...	...	1	7	3	20	...	...	...	...	...	...	...	...	...
Totals	...			...	...	2	2	26	22	71	...	...	...	...	...	1	...	...	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JULY 1934.

Hour \ Day	1st	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31st
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1h	...	...	...	0·1	...	...	...	...	...	..	..	0·2	...	...	...	..	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...
2	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	0·6	...	...	...	...
3	...	...	0·2	...	...	...	...	..	...	2·6	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	1·4	1·0	0·1	...	...
4	...	...	0·3	...	...	...	...	0·1	...	...	...	...	...	..	1·0	...	...	..	...	...	...	0·1	...	...	...	...	1·0	...	0·1	...	...
5	1·2	...	...	...	..	...	...	.	...	...	...	...	...	...	...	...	..	...	..	...		...	0·1	...	...	0·4	1·0	0·8	...	...	...
6	...	...	...	...	...	...	..	.	...	...		0·1	...	...	...	...	...	...	...	0·1	0·1	0·1	...	...	0·1	0·1	...	0·2	...	...	...
7	...	...	...	0·2	...	...	0·9	...	...	...	...	...	0·9	...	...	...	...	...	...	...	..	...	...	...	..	0·1	...	...	...	...	...
8	...	0·8	...	0·3	...	...	1·5	...	...	...	...	0·1	...	...	...	..	...	..	...	...	...	...	...	...	...	0·1	0·1	...	...	...	...
9	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	..	...
10	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	0·1	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	0·2	...	...	...	...	...	...	...	...	...	0·8	...	...	..	...	0·1	..	...	0·1	...	...	...	...	...	..	...	...	0·4
13h	...	...	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	.	...	..	...	...	...	...	...	...	...	...	...	...	0·7
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	..	...	...	...	...	...	...
16	0·5	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7
17	0·4	..	...	..	...	..	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5
18	...	...	.	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	..	...	...	...	0·1
19	.	...	...	..	...	...	...	...	...	...	...	...	...	0·2	..	...	..	...	...	..	...	...	...	...	0·1	...	..	...	...	...	0·1
20	...	...	1·1	...	...	...	...	...	..	..	..	...	...	...	...	...	0·1	...	...	...	...	...	...	...	..	...	...	...	...	...	...
21	0·1	...	...	...	..	0·1	...	...	...	...	..	...	...	..	...	...	...	...	...	1·0	...	...	...	...	...	...	...	2·0	...	...	...
22	...	...	...	0·2	...	0·1	...	..	...	...	0·2	...	...	...	...	...	0·1	...	...	0·3	0·1	...	...	0·1	...	...	...	0·2	...	...	...
23	...	...	...	...	...	...	...	...	...	0·1	..	...	...	...	...	...	...	...	0·1	...	0.1	..	...	...	...	...	...	...	.	..	...
24	0·2	0·2	...	...	...	...	..	...	...	0·1	0·6	...	..	...	...	...	...	...	...	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 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	2·31	58·7	51·3	13
*	St. Antoine	50	2·72	69·1	69·1	17
*	Belmont	50	2·88	73·2	70·6	16
*	Poudre d'Or	20	3·23	82·1	73·4	16
	Mon Loisir S. E.	300	...	...	93·0	...
	Forbach	300	...	...	45·0	...
*	Couroupa	...	2·13	54·0	80·5	13
*	Labourdonnais	290	2·21	56·0	78·2	11
	Beau Séjour	300	2·75	69·8	105·7	21
	Mont Piton	650	2·64	67·1	105·7	21
	Mon Choix	700	2·04	51·8	89·9	14
	Antoinette	640	3·01	76·5	100·8	20
	Mon Songe	620	2·98	75·7	107·4	16
	Botanical Gardens ...	325	2·28	57·9	79·0	21
*	The Observatory	179	1·25	31·7	57·9	28
	Solitude	175	1·10	27·9	34·0	10
	St. André	90	0·70	17·8	48·5	4
	La Nicolière	...	3·31	84·1	...	16
	California	...	2·71	68·8	...	10
	Australia	...	2·42	61·5	...	10
2 & 3	Union Régnard S.E. (Flacq)	600	3·00	76·2	122·7	18
	Constance d'Arifat L.G. ...	100	2·07	52·6	92·5	16
	Rich Fund	600	3·48	88·4	119·4	21
	La Joffrette	...	4·30	109·2	...	10
	Belle Vue (Allendy) ...	...	3·00	76·2	103·4	18
4 *	Sans Souci	900	...	...	244·3	...
	Beau Champ (G.R.S.E.) ..	20	2·86	72·6	81·8	20
	Olivia	400	3·80	96·5	141·5	16
	Trois Ilots	...	3·89	98·8	...	22
	Belle Rive	400	5·52	140·2	...	21
	Sébastopol	700	...	...	...	..
	Bonne Veine	400	5·55	141·0	239·3	25
5	Rose Belle	850	7·15	181·6	...	27
	New Grove	650	6·93	176·0	...	20
	Mon Trésor	...	3·42	86·9	...	16
	Mon Désert (Carié) ...	75	3·29	83·6	78·0	20
	Ferney	20	4·92	125·0	125·0	21
	Sauve Terre	...	2·57	65·3	..	9
6	Tivoli	1,300	6·53	165·9	219·5	29
	La Flora	1,050	6·74	171·2	220·2	26
6	Riche Bois (Brit.) ...	650	4·28	108·7	...	26
	Britannia (Estate) ...	700	5·57	141·5	163·8	26
	Savannah (Mill) ...	200	3·12	79·2	91·7	14
	St. Aubin	300	2·94	74·7	113·3	27
	St. Avold	900	5·59	142·0	186·4	29
	Colmar	400	4·87	123·6	142·0	22
	Union S. E.	...	3·27	83·1	100·3	13
	Fontenelle	320	4·06	103·1	115·6	13
	Choisy	200	2·22	56·4	...	10
	Beau Bois	...	5·12	130·0	...	...
	Bel Air	...	3·65	92·7	..	13
	St. Félix	...	3·99	101·3	...	12
7,8,9&10	Bel Ombre	40	2·00	50·8	74·7	13
	Beau Champ (B. du Cap)	70	2·02	51·3	...	13
	Frédérica	...	2·32	58·9	...	13
	Pierre Fond	...	0·93	23·6	...	12
	Ste. Marie	...	2·88	73·2	...	12
	Hussonia Limited ..	...	...	...	...	...
11	Curepipe Gardens ...	1,840	6·55	166·4	207·5	30
	Mare aux Vacoas (G.E.)	1,850	6·56	166·6	286·5	25
	Mare aux Vacoas (Arn.)	1,830	8·44	214·4	284·7	25
	La Marie Filter Bed ..	1,700	4·12	104·6	170·7	21
*	Sophie	...	6·72	170·6	...	19
	Réunion	1,420	4·20	106·7	132·6	21
*	Aerological Station ...	1,393	3·02	76·8	119·0	26
12	Quatre Bornes (Board) ...	1,090	1·28	32·5	...	4
*	Le Réduit (D. of A.) ...	1,000	1·81	46·0	62·5	28
	Alma	1,460	4·44	112·8	202·4	17
	Bagatelle	1,250	2·87	72·9	100·6	13
	Highlands	1,300	3·04	77·2	114·0	14
	Trianon	950	...	...	69·3	...
	Val Ory	1,100	1·98	50·3	78·7	16
	Bassin	...	1·10	27·9	...	11
	Hermitage	1,450	4·80	121·9	...	...
	Ebene	...	1·29	32·8	...	10
	Bega	...	1·29	32·8	...	10
	Mon Rêve	...	1·60	40·6	...	9
	Mont Pevril	...	2·32	58·8	...	10
	Minissy	1,150	1·78	45·2	82·0	9
	Plaisance	...	3·58	88·9	...	19
	La Ferme	350	0·48	12·2	...	10

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of JULY 1934.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	..	...	...	...
2	...	...	...	...	...	...	...	..	...	...	...	..	...
3	11	114	20·3*	114	22·6*	...	...	...	...	...	..	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	11¼	120	25·3	105	10·1	..	...	...	...	...	...	...	...
6	11½	99	18·8*	104	10·9*	...	..	...	...	...	...	...	...
7	9¾	99	29·8*	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	11¼	...	...	120	15·2	...	...	...	...	...	...	...	...
10	11¾	114	11·8*	144	9·3*	...	...	...	...	...	...	...	...
11	11¼	105	19·2	125	15·4	...	...	...	...	...	...	...	...
12	9½	...	...	117	17·6*	...	...	...	...	180	3·8*	...	...
13	...	...	...	...	..	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	9½	102	9·0*	141	3·9*	...	...	...	...	..	...	...	...
17	...	...	..	...	...	...	...	...	...	...	...	...	...
18	11	89	13·8*	24	3·0*	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	..	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	..	...	...	...
24	...	..	...	...	...	...	...	...	...	...	...	...	...
25	11	144	26·5*	144	23·4*	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...
27	11¾	100	12·9*	115	13·1*	...	...	...	...	...	...	...	...
28	11¾	360	...	345	3·6	...	...	...	...	..	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	10¾	135	20·9	120	16·7	..	...	...	...	...	...	...	...
31	11½	...	...	57	1·9*	...	...	...	...	...	...	...	...

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	15	120	39·7	105	17·6	210	...	...	...	..	.	...	...
5	14¼	120	8·3	105	9·8	...	...	...	...	...	...	...	...
6	13¾	105	11·0	90	12·6	...	..	...	...	...	...	...	...
7	12¼	120	33·1	105	17·8	...	...	...	...	...	...	...	...
8	...	...	..	...	...	...	...	...	..	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	15	...	...	150	13·5	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	..	...	...	...	...	...
12	13½	189	9·5*	174	12·8*	...	...	...	...	...	...	...	...
13	13¼	144	4·3*	144	4·1*	...	...	...	...	...	...	...	...
14	13¾	121	19·7*	114	11·2*	...	...	...	...	...	...	...	...
15	...	.	...	..	..	...	...	...	...	...	...	...	...
16	13½	97	12·6*	91	10·9*	...	...	...	...	...	...	...	...
17	...	...	...	..	...	...	...	...	...	...	...	...	...
18	15	...	...	90	...	...	...	..	...	...	...	...	...
19	...	..	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	..	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	..	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	..	...	...
25	13½	141	22·1*	144	14·7*	...	..	...	...	..	...	...	...
26	14¾	...	...	120	12·7	...	...	...	...	...	...	...	...
27	14¾	120	73·5	120	53·0	...	...	...	..	..	...	...	...
28	...	...	...	...	...	...	...	...	...	-	...	...	...
29	...	..	...	...	...	...	...	..	...	..	...	..	...
30	...	...	...	..	...	...	...	...	...	...	..	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

AUGUST, 1934

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

DIRECTOR

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF AUGUST 1934.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)
AUG.	° ′			′		
1	12°49·9	·22519	·29662	4·2	35	14
2	49·8	524	661	4·3	25	11
3	49·8	521	663	5·2	60	14
4	50·0	518	662	5·0	23	11
5	50·3	521	659	6·0	22	23
6	50·2	523	659	5·2	27	17
7	50·6	530	658	6·0	61	20
8	50·1	529	655	7·0	21	29
9	50·2	530	655	5·5	23	22
10	50·1	539	653	8·0	19	24
11	50·0	538	652	4·5	35	22
12	49·7	540	655	3·7	25	10
13	50·0	533	653	4·2	30	33
14	50·0	529	652	3·3	22	16
15	50·0	533	653	2·9	23	13
16	50·2	530	652	6·0	26	14
17	48·6	525	655	4·5	33	16
18	50·2	538	653	2·6	25	10
19	50·2	533	652	3·5	55	12
20	50·1	532	652	4·5	30	13
21	49·9	529	653	3·7	48	19
22	50·5	529	655	5·5	59	22
23	50·3	538	654	5·0	33	22
24	50·3	539	654	4·0	20	15
25	50·4	538	653	5·0	28	23
26	49·8	541	652	4·5	42	28
27	50·4	523	654	6·0	35	30
28	50·9	512	656	4·7	50	28
29	50·4	525	658	4·7	48	12
30	50·8	522	660	5·3	36	20
31	50·3	533	660	4·5	45	13
Mean	12°50·17	·22529	·29656	4·81	34·3	18·3

Description of the Principal Magnetic Disturbances.

Declination.—1d. minor oscillations during the first part. 3d. $21^h.45^m$. small sharp +ve wave of 2′. 11d. small pulsations from 12^h. to 14^h. 13d. small pulsations at times. 15d. 1^h. +ve wave of 2′. 27d. small oscillations at different times. 29d. Slightly disturbed; small oscillations at different times. 30d. 0^h. 30^m. +ve wave of 2′.

Horizontal Force.—1d. Slightly disturbed; rapid decrease 16γ at $11^h.30^m$. followed by oscillations superposed on a further gradual decrease of 21γ. 3d A very large negative wave (60γ) occurs at $14^h.45^m$. with only partial recovery. At $21^h.40^m$. a sharp +ve wave (30γ) with peak at $22^h.10^m$. 4d. Slightly disturbed; small pulsations; one oscillation (21γ) at $22^h.30^m$. 5d. $0^h.50^m$. sharp +ve wave 33γ followed by minor pulsations. 10d. and 11d. frequent small pulsations. 12d. $20^h.15^m$. sudden commencement of disturbance; irregular but important oscillations from $12^d.23^h$. to $13^d.3^h$. At $12^d.23^h.15^m$. increase of 15γ; at $13^d.2^h.20^m$. rapid increase of 30γ followed by small pulsations. 15d. Very slightly disturbed in the beginning. 17d. $3^h.50^m$. long +ve wave of 13γ at $13^h.50^m$. sudden commencement of slightly disturbed period minor pulsations at times. 18d. and 19d. Slightly disturbed minor pulsations at different times. 22d. Irregular variations during second half. 26d. and 27d. Slightly disturbed; $27^d.2^h.30^m$. +ve wave of 30γ. 28d. Disturbed with minor irregular oscillations. 29d. Disturbed $30^d.0^h.30^m$. +ve wave 20γ; minor oscillations at different times.

Vertical Force.—3d. Disturbed; a sharp +ve wave 7γ at $21^h.50^m$. 4d. and 5d. Minor pulsations at different times. 13d. Slightly disturbed during first half; minor pulsations 17d. 18d. and 19d. Frequent small pulsations. 28d. Small pulsations at end. 27d. Slightly disturbed; small pulsations occur at different times on 28d., 29d., 30d.

T=·37247: Mean Dip=52° 46′·63: (X=·21965: Y=−·05005: Z=·29656).
† 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 1934.

Declination (West) Day and Hour	Observed Value	Horizontal Force Day and Hour	Observed Value	Dip (South) Day and Hour	Observed Value	Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
AUGUST 10·11·30	12 52·00	AUG. 2·13·30	·22540	AUG. 10·14·55	52 43·68	·29635
10·15·07	12 47·27	5·14·41	·22523	10·11·50	52 45·93	·29658
28·14·48	12 49·78	7·10·21	·22549	28·15·06	52 47·70	·29637
31·13·44	12 51·05	17·13·38	·22511	31·13·57	52 46·43	·29661
		21·14·20	·22508			
		31·14·44	·22515			

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

AUGUST 1934

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

Day. / Hour.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	50·5	50·0	51·0	51·0	50·5	51·5	51·5	50·7	50·0	50·0	50·7	52·0	51·5	51·5	52·0	50·8	Midnight
1h	50·5	50·7	51·0	51·0	51·0	51·5	51·5	50·5	50·0	50·0	51·5	52·3	51·5	51·0	51·5	50·8	1h
2	50·5	50·0	50·5	50·8	50·7	51·5	51·5	50·5	50·5	50·0	52·5	53·0	51·7	51·3	50·7	50·7	2
3	50·3	50·5	50·0	50·5	50·0	51·5	51·0	50·7	50·5	50·3	51·7	52·7	50·7	51·0	50·0	50·5	3
4	49·0	50·7	50·0	50·5	50·0	51·5	51·0	50·5	50·5	50·0	51·3	52·0	50·5	50·7	50·5	50·3	4
5	49·5	50·7	50·0	50·0	50·0	50·5	50·7	50·5	50·5	50·0	51·5	52·2	51·0	50·5	50·5	50·2	5
6	48·5	50·0	50·0	50·0	49·5	49·7	50·0	50·3	50·3	50·0	50·5	51·0	51·0	50·5	50·0	49·8	6
7	47·0	49·0	49·0	49·0	48·5	48·5	49·5	50·0	50·0	49·0	47·5	49·0	48·5	49·5	48·5	48·6	7
8	46·5	49·5	48·5	49·0	49·0	49·0	50·0	50·0	50·0	49·5	49·5	49·0	49·5	49·5	49·3	48·9	8
9	48·5	50·0	49·5	50·5	50·0	51·0	50·7	50·5	51·0	50·0	49·0	50·0	50·0	50·7	50·0	50·0	9
10	49·5	50·5	49·7	51·5	50·8	52·5	51·5	52·0	52·0	51·0	50·0	50·5	51·5	52·0	51·0	51·0	10
11	50·5	51·0	51·0	51·5	50·3	53·0	52·0	51·5	52·3	51·0	51·0	51·0	51·5	52·5	51·5	51·7	11
Noon	50·5	50·5	51·5	51·5	49·0	52·7	51·5	51·0	52·0	50·5	51·3	51·5	50·0	53·0	51·5	51·3	Noon
13h	51·0	49·5	51·5	50·7	49·0	51·0	50·0	49·5	51·0	49·0	50·5	52·0	49·5	53·0	51·3	50·7	13h
14	50·0	49·0	51·0	49·0	48·0	48·0	48·0	48·5	49·0	48·0	50·0	51·0	47·5	51·0	50·0	49·2	14
15	49·5	49·0	50·0	47·5	47·3	47·5	47·0	48·0	47·3	46·5	47·0	49·0	48·0	48·3	47·5	47·9	15
16	47·5	48·7	48·0	47·0	48·0	48·0	47·5	48·3	48·0	47·0	46·5	48·3	47·0	47·7	47·7	47·7	16
17	48·5	49·5	48·7	48·5	49·3	49·0	49·0	49·5	49·5	48·5	49·5	48·5	50·0	49·0	49·0	49·1	17
18	50·3	50·0	50·0	50·0	50·5	50·0	50·5	50·5	51·0	51·0	51·0	50·5	51·5	50·5	50·5	50·5	18
19	50·5	50·7	50·5	50·5	50·7	50·7	50·7	51·0	51·3	50·7	51·3	51·5	51·5	50·7	50·7	50·9	19
20	50·7	51·0	50·5	50·5	50·5	50·5	50·5	51·0	51·0	51·0	51·5	52·0	51·7	51·2	51·0	51·0	20
21	50·5	51·3	51·2	51·0	50·7	50·7	50·5	50·5	50·7	50·7	51·3	51·5	51·7	51·5	51·3	50·9	21
22	50·5	51·0	51·0	50·7	51·0	50·7	50·3	50·3	50·5	50·5	51·5	51·3	51·5	51·5	51·3	50·8	22
23	50·5	51·0	51·0	50·5	51·0	51·0	50·3	50·2	50·2	50·5	52·0	51·5	51·0	51·5	51·0	50·7	23

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

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

AUGUST 1934.

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	505	512	517	509	522	520	521	524	527	531	538	525	542	523	525	522	Midnight
1h	515	517	517	510	525	522	521	524	525	531	540	530	539	523	527	523	1h
2	513	518	519	510	520	522	520	525	530	532	548	530	525	525	530	525	2
3	515	519	520	513	516	521	523	525	530	533	547	532	540	524	529	527	3
4	517	519	525	515	518	520	527	525	530	533	545	533	545	526	529	530	4
5	517	521	525	516	520	524	525	530	530	538	547	538	540	530	530	532	5
6	525	525	529	520	521	523	525	533	530	541	545	539	525	532	532	533	6
7	530	530	534	527	525	527	528	535	535	543	552	543	527	537	540	535	7
8	532	532	537	528	527	528	537	539	540	541	559	549	537	540	547	545	8
9	528	534	525	530	531	529	579	542	540	541	560	550	540	540	548	547	9
10	534	532	530	522	532	535	541	541	537	540	548	542	538	535	537	547	10
11	540	533	525	515	530	540	543	542	538	535	548	542	535	540	538	542	11
Noon	525	530	530	517	530	530	551	540	543	540	540	548	545	542	538	541	Noon
13h	527	535	540	527	527	525	545	527	540	548	532	549	543	540	540	533	13h
14	515	537	545	528	523	525	535	530	532	550	525	549	545	528	540	528	14
15	515	520	525	524	522	520	523	530	530	550	529	549	535	520	538	525	15
16	507	517	485	518	518	518	520	527	523	540	529	541	536	520	530	521	16
17	507	518	495	507	510	513	522	525	522	532	529	538	530	523	525	521	17
18	512	520	510	510	510	515	521	523	523	536	530	537	525	523	526	525	18
19	514	522	512	517	515	522	525	523	520	538	530	536	515	520	529	523	19
20	514	519	511	520	517	520	526	521	520	540	528	536	515	523	530	524	20
21	515	517	505	513	517	520	525	523	521	538	525	545	522	524	530	523	21
22	515	521	530	510	520	520	522	523	523	539	526	541	523	524	526	521	22
23	515	519	512	523	519	520	518	525	530	539	527	537	523	525	523	525	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	525	525	532	519	533	527	522	532	533	539	535	495	510	530	518	523·8	Midnight
1h	527	530	530	530	531	526	521	537	535	536	520	500	514	530	520	525·0	1h
2	528	550	535	527	533	526	523	535	540	536	525	502	517	522	523	526·3	2
3	530	540	547	528	537	526	527	540	539	537	535	513	525	530	542	529·4	3
4	532	540	550	527	538	527	529	542	540	539	530	515	529	523	528	529·9	4
5	535	541	537	530	539	531	530	543	542	540	530	517	531	525	530	531·1	5
6	531	540	536	532	540	538	535	543	545	542	530	524	532	528	531	532·4	6
7	535	542	540	540	547	540	543	545	553	547	535	531	535	529	535	536·9	7
8	538	548	550	549	545	543	551	548	551	545	525	540	549	530	552	541·4	8
9	537	550	543	548	547	550	554	550	553	548	530	537	550	541	560	543·9	9
10	530	550	540	541	547	559	554	549	550	558	530	532	552	541	560	541·4	10
11	528	548	538	540	550	545	553	545	550	560	535	528	555	535	560	540·5	11
Noon	520	550	540	537	549	548	551	549	550	553	535	525	540	525	555	539·3	Noon
13h	513	547	545	536	530	540	548	548	538	552	530	505	510	512	545	534·7	13h
14	507	540	550	535	520	543	550	545	532	557	521	505	507	510	530	531·8	14
15	508	537	545	530	510	530	542	541	531	550	517	500	523	513	520	527·5	15
16	510	532	540	524	502	515	535	535	526	543	522	500	522	515	520	522·3	16
17	513	525	535	522	505	503	532	530	527	540	517	491	513	510	515	519·2	17
18	520	528	520	524	513	502	536	531	531	535	517	490	515	512	523	520·7	18
19	540	530	505	527	520	500	536	531	530	518	510	495	512	510	523	520·9	19
20	525	530	495	525	515	510	535	531	530	520	520	510	510	505	525	521·0	20
21	527	533	505	527	515	513	533	532	527	527	518	507	512	512	525	521·8	21
22	527	531	512	529	515	515	531	532	525	528	510	510	513	515	528	523·1	22
23	523	530	517	532	527	524	535	532	527	535	500	505	515	521	529	523·6	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, 1934.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	·29000+(C.G.S. UNIT.)																
Midnight	662	663	662	663	661	659	658	657	656	657	654	655	654	655	654	657	Midnight
1h	663	661	662	662	664	659	658	655	655	656	653	654	654	655	657	656	1h
2	663	661	662	663	661	659	659	656	654	654	652	654	654	653	653	655	2
3	662	662	662	663	662	660	659	656	655	653	651	653	655	652	653	654	3
4	661	661	661	662	663	660	658	657	655	653	651	653	653	651	652	653	4
5	661	661	661	662	662	660	659	657	656	654	652	653	653	651	652	652	5
6	660	661	661	662	662	660	660	657	657	655	652	653	652	651	651	651	6
7	659	659	660	661	660	660	659	656	660	654	651	651	650	650	649	650	7
8	660	660	661	660	660	661	661	659	661	656	654	652	654	653	652	651	8
9	664	664	664	663	665	665	665	662	661	660	659	656	658	658	659	653	9
10	668	665	667	667	666	666	668	661	661	660	660	659	663	659	659	656	10
11	669	664	667	666	664	661	661	656	661	660	660	661	661	657	655	657	11
Noon	667	662	664	665	658	660	654	653	653	657	655	653	657	653	654	656	Noon
13h	660	657	660	659	650	658	650	650	651	652	651	653	645	646	651	648	13h
14	655	654	655	656	641	653	648	633	646	641	643	653	641	645	649	646	14
15	657	656	654	656	643	649	650	635	639	636	638	652	638	644	646	643	15
16	660	656	662	656	651	649	651	645	642	640	640	654	644	643	648	643	16
17	663	661	667	660	657	655	656	654	652	650	648	656	650	648	652	647	17
18	664	663	668	665	661	660	660	657	657	655	654	657	654	653	654	651	18
19	663	662	666	663	662	660	660	659	659	657	655	657	655	654	654	652	19
20	662	661	665	662	661	660	660	660	660	657	656	657	656	654	655	652	20
21	662	661	665	662	661	660	659	660	660	657	657	656	656	654	655	654	21
22	662	662	665	663	661	660	658	659	658	656	657	655	656	655	654	654	22
23	662	661	662	661	661	659	658	657	659	655	656	656	656	655	655	654	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	654	654	653	653	653	654	658	654	653	655	656	661	662	661	662	657·2	Midnight
1h	654	654	653	653	654	654	657	653	653	654	655	661	661	660	662	656·8	1h
2	654	655	653	653	654	654	657	653	652	653	655	661	661	661	661	656·5	2
3	654	653	651	653	654	654	656	652	652	653	655	660	659	660	660	656·1	3
4	653	653	651	653	653	654	656	653	652	652	653	658	658	660	660	655·6	4
5	652	652	653	653	653	654	656	653	652	653	653	658	659	660	660	655·7	5
6	652	653	652	653	653	653	656	653	652	653	654	657	658	659	659	655·6	6
7	651	651	650	652	651	653	655	655	652	652	653	654	655	658	658	654·5	7
8	651	652	651	653	651	656	659	657	654	654	651	656	657	661	659	656·0	8
9	657	656	653	655	655	661	661	659	659	659	657	661	659	663	662	659·8	9
10	661	658	655	657	654	660	662	659	661	660	663	663	662	667	665	661·7	10
11	665	656	656	656	646	661	660	656	659	660	661	662	660	665	663	660·2	11
Noon	664	653	656	653	640	660	655	652	654	655	657	659	655	665	662	656·8	Noon
13h	659	651	652	648	642	655	648	648	650	649	653	655	654	665	661	652·6	13h
14	654	649	647	644	648	645	643	644	641	647	644	650	650	661	658	647·9	14
15	650	648	644	644	652	639	640	646	638	641	633	641	651	650	655	645·4	15
16	649	649	645	646	652	646	642	649	643	632	638	635	652	647	652	647·1	16
17	651	650	649	651	655	654	649	653	651	637	649	640	657	653	656	652·6	17
18	655	652	652	655	659	660	654	657	656	644	653	651	661	659	660	656·8	18
19	653	653	654	656	658	662	656	657	657	653	655	656	660	660	660	657·7	19
20	654	652	655	655	657	661	656	657	658	655	657	658	661	661	660	657·9	20
21	654	653	655	655	657	661	656	656	657	658	657	659	662	662	661	658·1	21
22	654	652	654	654	656	660	656	656	657	658	659	660	661	662	661	657·9	22
23	654	653	653	653	655	658	655	655	656	657	661	661	661	662	661	657·5	23

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION VACOAS (424·5 metres above mean sea-level) during the MONTH of AUGUST 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
AUG.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	973·0	20·0	2·1	16·2	78	18·2	110	8·5	7	17·5	19·5	20·8	17·4	21·9	16·3	5·6	4·2	10·5	94
2	973·3	19·3	3·9	12·2	64	14·1	110	8·1	1	17·0	19·4	20·0	17·5	22·0	15·8	6·2	0·0	10·2	91
3	972·6	17·7	0·9	16·0	80	18·0	90	6·7	10	16·7	17·4	18·8	17·0	20·3	15·8	4·5	1·3	4·1	37
4	973·4	17·6	1·3	15·2	86	17·1	110	4·9	7	16·0	18·1	19·2	16·3	21·2	14·1	7·1	5·2	7·9	71
5	974·2	17·8	0·8	16·3	91	28·4	90	6·3	9	16·1	17·5	18·5	17·3	19·9	14·9	5·0	5·7	4·8	43
6	974·6	18·9	1·8	15·6	81	17·6	90	5·4	5	15·8	19·0	19·0	17·0	21·6	14·8	6·8	11·5	8·2	73
7	975·7	19·4	2·4	15·1	76	17·0	120	4·9	10	16·4	18·0	19·9	17·0	21·9	15·4	6·5	1·4	9·0	80
8	974·8	18·9	2·6	14·1	73	15·7	115	8·1	5	16·5	18·5	19·5	17·0	21·8	15·4	6·4	1·5	9·0	80
9	974·6	16·9	0·6	15·8	94	17·8	110	7·2	9	16·0	17·5	18·1	16·0	19·8	15·2	4·6	12·5	4·0	35
10	976·3	18·7	3·5	12·3	66	14·2	100	6·7	7	16·0	15·8	19·0	16·5	20·7	14·8	5·9	9·7	7·5	66
11	974·9	18·9	2·9	13·6	71	15·4	110	8·9	5	15·4	18·0	18·5	16·0	20·9	13·3	7·6	1·7	8·2	73
12	975·5	19·3	2·9	14·1	71	15·9	120	4·9	6	15·5	16·5	19·7	16·3	21·1	14·4	6·7	3·0	9·2	81
13	974·0	20·4	3·1	14·9	71	16·8	115	5·8	7	16·0	17·5	19·6	15·9	20·9	14·8	6·1	1·4	7·7	68
14	974·2	18·4	2·5	13·8	74	15·6	120	8·9	5	15·5	17·5	18·8	16·0	20·9	14·4	6·5	0·2	9·7	86
15	973·7	18·4	2·7	13·5	73	15·4	110	7·2	4	16·0	17·5	18·2	16·2	19·3	15·3	4·0	11·7	9·4	82
16	974·6	18·9	3·0	13·4	70	15·2	110	8·5	7	15·5	17·5	19·2	16·3	20·1	15·3	4·8	5·0	9·2	81
17	974·9	18·1	1·7	14·9	81	16·8	110	8·1	10	15·6	16·0	17·5	16·2	18·9	14·9	4·0	7·0	2·3	20
18	975·9	18·3	3·6	11·7	65	13·6	105	8·1	1	16·0	17·7	19·6	15·7	21·1	14·8	6·3	26·9	8·8	77
19	975·0	16·3	1·2	14·1	86	15·9	150	5·8	10	15·3	15·6	16·3	15·5	17·9	14·2	3·7	12·2	2·7	24
20	974·5	18·5	3·0	13·0	71	14·9	125	6·3	6	15·5	17·7	19·6	16·1	21·0	14·3	6·7	5·6	10·4	91
21	973·6	18·9	3·0	13·4	70	15·2	130	4·5	1	15·5	18·5	19·4	15·0	21·0	14·3	6·7	12·3	11·0	96
22	973·2	19·3	3·0	13·9	71	15·7	160	6·3	1	14·0	18·0	19·5	16·9	21·0	12·1	8·9	0·0	9·0	78
23	973·4	19·9	3·4	13·8	68	15·6	125	6·7	3	16·2	18·5	20·2	16·0	21·4	14·8	6·6	0·0	10·3	90
24	973·2	17·7	1·3	15·3	85	17·2	125	5·4	8	15·2	17·2	19·0	16·0	20·4	14·6	5·8	3·5	5·3	46
25	972·3	18·9	2·5	13·9	73	15·7	130	5·8	9	15·8	17·0	18·1	16·5	20·4	14·6	5·8	5·5	1·9	17
26	972·7	19·5	2·4	15·2	76	17·1	135	6·3	1	16·4	18·5	20·5	16·0	22·0	15·0	7·0	0·1	10·4	90
27	973·0	19·9	3·2	14·1	69	15·9	145	8·1	1	14·8	20·0	20·5	16·5	22·0	14·1	7·9	0·0	10·9	94
28	974·1	17·2	0·9	15·5	89	17·4	155	5·4	10	16·0	17·5	17·5	15·0	18·5	14·1	4·4	0·9	3·7	32
29	974·7	17·1	3·2	11·2	68	13·2	155	4·9	8	14·8	16·7	18·5	15·5	19·4	13·8	5·6	1·2	5·4	47
30	975·4	15·9	3·0	10·2	69	12·3	135	6·3	10	15·0	15·7	17·8	14·4	19·9	13·9	6·0	0·0	2·0	17
31	975·1	18·3	3·6	11·7	65	13·6	120	4·5	10	15·1	17·5	19·7	16·0	21·1	14·8	6·3	0·4	3·0	26
Mean	974·2	18·5	2·5	14·0	75	15·9	120·6°	6·3	6	15·8	17·6	19·0	16·2	20·6	14·6	6·0	151·6	7·28	64·1
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	42·9mbs.	Amount of rain	—	80·7mms.
Temperature of the Air	+	2·9°C	Duration of sunshine	+	17·0hrs
Vapour Pressure	+	0·7mbs.	Mean of maximum temperatures	+	2·3°C
Relative Humidity	—	9·1%	,, minimum temperatures	+	1·9°C
Velocity of Wind	—	0·8mps.	Absolute maximum temperature	+	2·1°C
Amount of Cloud	+	0·1	,, minimum temperature		0·0°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1934.

Month and Day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
AUG.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mm.	min	mm	
1	1015·5	+ 1·5	24·1	18·1	6·0	20·3	+ 0·6	2·4	16·0	+ 0·8	76	+ 1	18·0	13·5	0·2	4	5·0	4·0
2	1015·2	+ 1·2	23·3	17·0	6·3	20·2	+ 0·5	3·3	14·3	− 0·7	69	− 6	16·2	16·0	0·0	00	4·8	2·2
3	1014·2	+ 0·2	22·6	17·1	5·5	20·0	+ 0·2	2·4	15·7	+ 0·6	76	+ 1	17·7	15·4	1·0	15	3·9	6·7
4	1014·7	+ 0·7	23·1	16·6	6·5	20·1	+ 0·3	3·1	14·6	− 0·5	71	− 4	16·5	15·0	0·4	10	5·5	3·9
5	1015·7	+ 1·7	23·0	18·6	4·4	20·1	+ 0·3	2·2	16·2	+ 1·1	78	+ 3	18·2	15·8	2·0	24	4·7	6·5
6	1016·5	+ 2·5	23·3	18·0	5·3	20·0	+ 0·2	1·7	17·0	+ 1·9	83	+ 8	19·2	15·0	2·3	35	5·0	6·0
7	1016·7	+ 2·7	23·2	17·3	5·9	19·7	− 0·1	2·1	15·7	+ 0·6	78	+ 3	17·7	15·8	0·7	12	3·7	6·0
8	1016·5	+ 2·5	23·3	16·7	6·6	19·6	− 0·2	2·3	15·4	+ 0·3	77	+ 2	17·3	14·8	0·6	6	3·6	4·3
9	1017·0	+ 3·0	22·6	17·1	5·5	19·4	− 0·4	1·9	16·0	+ 0·9	81	+ 7	18·0	15·8	10·4	65	5·6	7·4
10	1017·4	+ 3·4	22·8	18·1	4·7	19·8	0·0	3·3	13·8	− 1·3	68	− 6	15·6	15·8	0·2	8	5·2	5·6
11	1017·0	+ 3·0	23·0	15·0	8·0	19·0	− 0·8	2·7	14·1	− 1·0	73	− 1	15·9	13·2	0·0	0	3·7	3·7
12	1016·8	+ 2·8	23·2	16·1	7·1	19·5	− 0·4	2·6	14·8	− 0·4	75	+ 1	16·7	12·4	2·5	31	4·9	4·2
13	1016·3	+ 2·3	23·1	16·6	6·5	19·4	− 0·5	2·5	14·9	− 0·3	76	+ 2	16·8	11·8	0·2	4	3·7	4·1
14	1016·2	+ 2·2	23·0	15·9	7·1	19·3	− 0·6	2·9	14·1	− 1·1	72	− 2	15·9	13·2	3·0	17	6·0	3·0
15	1015·7	+ 1·7	22·6	17·1	5·5	19·4	− 0·5	2·6	14·7	− 0·5	74	0	16·6	15·4	2·3	26	3·3	5·1
16	1016·4	+ 2·4	22·3	17·1	5·2	19·4	− 0·5	2·7	14·5	− 0·7	74	0	16·4	14·8	9·5	55	7·7	5·9
17	1016·9	+ 2·8	22·1	17·3	4·8	19·0	− 0·9	1·5	16·3	+ 1·1	84	+ 10	18·4	16·6	11·5	120	4·0	8·1
18	1016·8	+ 2·7	23·1	17·8	5·3	19·6	− 0·4	2·8	14·5	− 0·7	73	− 1	16·4	15·8	5·0	85	5·1	5·4
19	1016·7	+ 2·6	21·9	16·7	5·2	18·9	− 1·1	2·8	13·7	− 1·5	72	− 2	15·5	14·0	2·7	29	4·0	7·0
20	1015·9	+ 1·8	23·1	16·1	7·0	19·6	− 0·4	3·8	12·7	− 2·5	65	− 9	14·6	14·0	1·8	34	3·8	4·5
21	1015·3	+ 1·1	23·3	14·0	9·3	18·8	− 1·2	2·7	13·9	− 1·3	73	− 1	15·7	15·6	1·8	34	6·8	4·0
22	1014·7	+ 0·5	23·2	12·1	11·1	18·5	− 1·6	3·0	13·0	− 2·3	71	− 3	14·9	16·2	0·0	00	5·0	5·2
23	1015·1	+ 0·9	23·2	16·1	7·1	19·7	− 0·4	3·1	14·1	− 1·2	70	− 4	15·9	14·4	0·0	00	5·2	4·3
24	1014·6	+ 0·3	22·5	16·2	6·3	18·6	− 1·5	2·1	14·8	− 0·5	79	+ 5	16·7	15·0	9·2	45	4·6	5·2
25	1013·7	− 0·6	23·1	16·9	6·2	19·5	− 0·6	2·6	15·9	+ 0·6	80	+ 6	17·9	15·6	3·3	45	4·3	7·1
26	1014·5	+ 0·2	24·0	16·1	7·9	19·8	− 0·4	2·3	15·6	+ 0·4	77	+ 4	17·6	12·0	0·0	00	5·0	2·3
27	1015·5	+ 1·2	23·8	14·1	9·7	19·1	− 1·1	2·9	13·9	− 1·3	72	− 1	15·7	11·2	0·0	00	5·2	3·6
28	1016·1	+ 1·8	22·3	14·1	8·2	18·7	− 1·5	2·8	13·6	− 1·6	72	− 1	15·4	11·8	0·3	6	4·8	7·2
29	1016·9	+ 2·6	22·0	17·3	4·7	19·1	− 1·1	4·1	11·7	− 3·5	62	− 11	13·6	16·0	0·0	00	5·4	8·5
30	1018·0	+ 3·7	20·9	17·5	3·4	18·9	− 1·4	4·3	11·0	− 4·3	60	− 13	13·0	16·4	0·0	00	3·6	9·6
31	1016·9	+ 2·6	22·7	17·1	5·6	19·6	− 0·7	3·7	12·9	− 2·4	66	− 7	14·8	15·4	0·0	00	4·8	8·6
Mean	1016·0	+ 1·9	22·9	16·5	6·4	19·4	− 0·6	2·7	14·5	− 0·7	73·5	− 0·6	16·4	14·6	Sum 70·9	Sum 710	4·8	5·5
Aver.	1014·1	...	23·9	16·5	7·4	20·0	...	2·7	15·2	...	74·1	...	17·1	13·2	62·5	1342	4·0	5·2
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF AUGUST 1934.

Pressure during this month was above average on every day, except one, but with no large departures.

There was a marked defect in temperature from the 10th till the end of the month. Rainfall was above average to the extent of 13% and every widely distributed.

Wind velocity was well above average on 7 days and below normal during the last eleven days.

TABLE VIII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1934.

Month and Day 1934.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather (0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.)
AUGUST	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	10·2	91	4·4	+ 0·7	24·8	23·7	22·2	21·5	b . bcq$_b$; bc
2	9·7	87	4·9	+ 1·2	24·8	23·5	22·2	21·4	b : bq$_0$; bc . b
3	6·5	58	4·4	+ 0·7	24·8	23·7	22·2	21·5	bc : cgq$_0$r$_0$: c : cr$_0$: c
4	7·9	71	4·9	+ 1·2	24·7	23·5	22·2	21·4	bc : bd$_0$: bcq : bc : bcd$_0$
5	6·1	55	4·4	+ 0·7	24·8	23·7	22·1	21·4	b : bcd$_0$: bc : cgr$_0$r$_0$: oq : od : bc : b
6	7·7	69	3·7	0·0	24·6	23·7	22·1	21·3	b : cr$_0$: or$_0$: c : bc : bcd$_0$d$_0$
7	7·9	70	3·7	0·0	24·6	23·7	22·1	21·5	c : bc : c : cr$_0$
8	10·2	91	3·7	0·0	24·7	23·7	22·1	21·5	bcd$_0$: bc
9	6·5	58	5·1	+ 1·4	24·6	23·5	22·1	21·4	bc R : b ; bcd$_0$: cq : cQrr : orr : o
10	9·0	80	5·3	+ 1·6	24·8	23·7	22·1	21·1	c : bc . cq : c : bc : b
11	9·9	88	4·1	+ 0·3	24·6	23·7	22·0	21·0	b : bc : b
12	9·4	83	3·7	− 0·1	24·7	23·6	21·9	21·1	cr$_0$r$_0$: b : bc . b
13	8·6	76	4·1	+ 0·3	24·6	23·5	21·9	21·1	b : c : bc
14	10·1	89	4·2	+ 0·4	24·5	23·4	21·9	21·0	b : bc : b ; brr
15	9·6	84	4·4	+ 0·6	24·6	23·4	21·9	21·0	cr : bc ; bcq d$_0$d$_0$: bcq : bc
16	9·2	81	4·7	+ 1·0	24·6	23·5	21·8	21·1	o RR : c : bcq : bc
17	4·7	41	5·3	+ 1·5	24·8	23·5	21·8	21·1	cR : bc ; ogrr : orr : err
18	9·7	85	5·1	+ 1·2	24·7	23·4	21·8	21·0	cqr$_0$r$_0$: bc : b : bc : orr
19	5·3	47	4·8	+ 0·9	24·6	23·5	21·7	20·9	c : or$_0$r$_0$: cqr$_0$r$_0$: bc
20	10·9	96	3·9	0·0	24·5	23·3	21·7	20·7	bc : cd$_0$: bc : b : bc : cr$_0$r$_0$
21	10·3	90	2·8	− 1·1	24·5	23·3	21·7	21·0	cr$_0$r$_0$: bc : b : bd$_0$: b
22	7·5	65	3·6	− 0·3	24·7	23·3	21·7	20·9	b : eq : c
23	10·2	89	3·6	− 0·4	24·6	23·3	21·6	21·2	c : b : bc : b
24	4·0	35	3·2	− 0·8	24·5	23·3	21·6	21·2	bc : cRR : cqRR : c : bc
25	3·3	29	3·4	− 0·6	24·5	23·3	21·7	20·9	cr$_0$r$_0$: cg : o r$_0$r$_0$: bc : b
26	10·6	91	3·5	− 0·5	24·5	23·3	21·7	21·0	b : bc : b
27	10·7	92	2·8	− 1·2	24·4	23·1	21·7	21·2	c : bc : b
28	5·6	48	3·0	− 1·0	24·4	23·1	21·7	21·2	bc . bcd$_0$d$_0$: bc : cg : c : o : c
29	6·4	55	2·9	− 1·2	24·5	23·3	21·8	21·3	c : bc : c
30	0·5	4	3·2	− 0·9	24·5	23·2	21·8	21·3	c : o : c
31	4·5	39	3·1	− 1·0	24·5	23·3	21·8	21·1	c : o : tc : bc
Mean	7·83	68·3	4·00	+ 0·15	24·62	23·45	21·89	21·17	.....
Average	7·57	66·6	3·85	...	24·87	23·81	22·67	21·91	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF AUGUST 1934.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1019·5mbs	at	22.00hrs.	on 30th	1012·1mbs	at	15·00hrs.	on 25th
Temperature of the Air	24·1°C	at	12.50hrs.	on 1st	12·1°C	at	05.20hrs	on 22nd
Daily range of temperature of the Air ...	11·1°C		...	on 22nd	3·4°C		.	on 30th
Temperature of the Dew Point	18·4°C	at	10.00hrs.	on 3rd	9·7°C	at	08·00hrs.	on 20th
Daily range of temperature of the Dew Point	6·6°C		...	on 20th	1·8°C		...	on 26th
Minimum on Grass	...		...	...	11·2°C		...	on 27th
Relative humidity	94·6%	at	18·00hrs.	on 9th	47·5%	at	14·00hrs	on 20th
Vapour Pressure	21·0mbs.	at	10·00hrs.	on 2nd	11·9mbs.	at	8.00hrs.	on 20th
Wind Velocity	8·2m.p.s.	at	13.00hrs.	on 2nd	0·7mps		02.00hrs.	27th
Rainfall in 24 hours	11·5mms	ending	24·00hrs	on 17th	...		...	...
Evaporation in 24 hours...	7·7mms		...	on 16th	3·3mms		...	15th
Duration of sunshine	10·9hrs		...	on 20th	0·5hr		...	on 30th

Mean Day Temperature of Air, 20·93°C. Average 21·78°C. Mean Night Temperature of Air, 17·94°C. Average 18·05°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	3	19	9	...	7	10	3	2	...	...	...

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

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

AUGUST 1934.

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	162	167	154	151	160	170	176	170	170	182	181	171	171	172	169	161	Midnight
1h	161	165	151	150	157	170	175	168	170	181	181	171	170	171	165	161	1h
2	160	161	149	149	151	164	171	164	166	179	174	169	166	170	161	159	2
3	155	159	142	146	147	161	160	161	162	173	171	168	161	166	159	154	3
4	151	153	136	142	147	160	161	160	160	171	170	163	160	162	155	156	4
5	151	151	135	141	147	161	163	160	160	170	169	163	158	161	155	155	5
6	152	152	136	144	150	163	169	161	161	170	170	162	159	163	158	160	6
7	154	157	140	147	157	166	172	169	168	178	171	170	163	167	161	163	7
8	157	160	143	151	161	171	179	176	172	186	173	174	170	170	162	170	8
9	160	161	150	158	166	172	181	179	176	189	179	180	171	171	168	176	9
10	161	161	150	156	168	172	180	179	178	190	180	181	171	174	169	176	10
11	158	159	147	151	166	171	177	176	177	185	174	178	167	170	161	173	11
Noon	151	153	140	148	160	168	170	170	171	176	171	173	161	160	155	169	Noon
13h	148	150	138	142	152	159	160	162	167	167	162	166	155	153	150	160	13h
14	142	140	134	134	149	151	157	158	162	160	159	160	150	149	143	156	14
15	141	132	128	131	150	153	151	151	159	157	155	155	148	146	141	151	15
16	141	131	127	132	150	152	150	151	160	159	155	152	150	146	141	152	16
17	148	135	130	136	150	154	151	154	162	160	160	157	155	149	145	154	17
18	151	140	136	140	151	157	156	159	170	162	162	161	159	151	150	160	18
19	156	146	140	145	159	160	163	161	171	168	169	166	163	157	155	163	19
20	161	150	148	150	161	169	170	166	179	172	171	169	171	161	160	172	20
21	164	153	150	157	166	176	171	170	181	176	173	171	174	166	162	176	21
22	167	158	152	161	171	178	171	171	181	180	175	172	173	166	162	180	22
23	169	159	151	161	171	178	171	170	186	181	173	172	174	169	161	178	23

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. / Hour
Midnight	175	170	173	174	156	159	158	161	147	149	159	170	171	180	191	1016·7	Midnight
1h	172	171	170	171	152	153	155	159	141	143	153	168	169	178	190	1016·5	1h
2	168	170	166	169	149	148	150	151	138	141	152	162	164	176	185	1016·1	2
3	166	164	163	16,	144	141	147	147	136	140	151	160	162	172	180	1015·8	3
4	163	163	161	160	147	141	144	140	131	136	149	159	161	171	176	1015·5	4
5	163	167	167	161	148	141	142	139	132	136	150	159	161	171	177	1015·5	5
6	166	168	169	165	150	146	148	140	134	140	150	159	165	176	176	1015·7	6
7	171	170	171	170	157	150	151	149	137	146	152	161	170	180	180	1016·2	7
8	176	176	177	171	160	152	156	153	142	150	159	164	173	184	180	1016·6	8
9	181	182	179	174	162	159	160	160	146	151	160	168	179	190	181	1017·0	9
10	181	185	179	174	165	160	161	160	147	154	161	170	180	190	181	1017·1	10
11	177	179	174	168	161	156	160	153	141	150	160	168	180	183	170	1016·7	11
Noon	170	170	169	159	152	147	151	150	133	141	152	160	171	179	168	1016·0	Noon
13h	163	161	160	149	145	139	142	140	130	136	150	154	166	175	160	1015·4	13h
14	160	155	154	140	140	132	139	134	125	133	146	151	159	171	151	1014·8	14
15	157	151	150	138	139	130	135	131	121	131	142	149	156	170	149	1014·5	15
16	157	153	150	137	140	130	136	130	124	132	143	148	157	171	150	1014·5	16
17	160	154	153	140	142	133	140	131	129	136	149	149	161	174	150	1014·8	17
18	166	157	160	142	150	136	143	136	130	140	151	151	167	179	152	1015·2	18
19	170	161	165	148	155	143	151	140	132	147	156	156	170	184	158	1015·7	19
20	179	169	173	156	161	151	160	147	139	154	161	161	179	190	162	1016·4	20
21	179	174	179	160	166	158	162	149	142	160	168	167	181	193	164	1016·7	21
22	177	176	177	160	163	160	166	150	150	160	167	169	181	195	161	1016·9	22
23	173	176	176	160	161	159	163	151	150	160	170	170	181	193	160	1016·9	23

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

Hour. \ Day.	August 1934.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	3	2	3	4	3	1	10	7	4	9	2	10	1	1	9	8	10	8	8	6	9	2	8	2	5	1	4	1	9	9	8	5·4
1h	3	2	3	3	3	0	9	7	9	9	2	10	1	1	9	10	8	7	8	7	9	1	8	1	7	1	8	2	9	9	9	5·7
2	3	1	4	3	3	2	9	4	6	5	3	10	1	2	8	10	5	7	6	8	8	1	9	2	9	1	8	4	9	9	9	5·5
3	2	1	8	1	4	8	8	4	3	4	4	9	1	2	5	10	5	5	5	9	8	1	9	2	9	2	9	8	10	9	10	5·7
4	2	1	5	1	6	6	9	3	3	3	3	5	0	1	4	9	5	5	4	9	8	1	8	2	8	2	7	7	9	8	10	5·0
5	1	1	5	1	5	3	4	3	2	5	2	4	1	1	5	6	6	5	10	9	7	1	6	3	10	2	3	6	9	10	9	4·7
6	2	2	4	2	5	10	2	4	4	9	1	8	2	5	5	9	6	4	10	7	9	1	3	4	6	2	2	3	9	10	9	5·1
7	3	2	4	5	5	10	2	4	4	7	2	8	3	5	5	6	10	4	10	7	5	1	3	4	6	2	3	2	9	10	9	5·2
8	3	1	7	6	7	8	1	4	5	7	2	6	3	4	5	4	10	2	9	5	4	1	3	7	8	2	3	1	9	10	9	5·0
9	3	1	9	10	10	8	3	5	8	6	3	3	3	3	5	1	10	2	8	1	3	2	3	10	7	2	5	8	9	10	10	5·5
10	3	2	9	7	9	7	4	5	7	7	7	2	7	3	5	5	10	2	8	3	3	4	3	10	9	4	5	10	10	10	10	6·1
11	4	1	9	6	9	9	4	5	8	8	5	2	7	4	5	7	9	2	9	3	2	8	3	10	7	4	4	9	8	10	10	6·2
Noon	3	2	9	3	9	8	6	5	8	9	7	1	8	4	4	8	10	3	10	1	2	8	3	10	8	3	4	7	7	10	9	6·1
13h	4	3	8	3	9	6	8	5	9	9	6	2	8	4	5	7	10	3	9	0	3	8	4	9	9	3	4	8	7	10	10	6·2
14	5	4	6	4	10	8	7	4	10	8	6	2	8	5	6	5	10	4	10	1	4	8	5	7	7	4	5	9	7	10	10	6·4
15	7	0	4	3	10	9	7	4	7	7	6	4	8	3	4	4	10	5	6	0	5	6	6	4	10	4	5	9	6	10	8	6·0
16	7	6	6	3	10	7	7	4	7	7	5	4	7	3	4	4	10	5	6	1	3	7	6	4	10	4	4	9	7	10	8	6·0
17	5	2	8	3	10	2	8	4	10	5	3	3	5	2	4	4	9	6	4	1	1	8	4	4	10	2	2	9	8	10	8	5·3
18	5	2	9	4	7	2	8	4	10	4	2	5	5	2	4	4	7	7	2	2	0	9	2	6	10	2	2	10	10	10	5	5·2
19	5	2	9	4	7	2	8	4	10	4	2	0	5	2	4	4	7	7	4	2	1	9	2	6	10	2	2	10	8	10	6	5·1
20	5	2	9	4	7	4	6	4	10	4	2	3	4	3	4	4	7	7	4	4	0	9	2	4	4	1	2	10	10	10	7	5·0
21	5	2	9	5	7	5	6	4	10	2	3	2	4	3	4	4	7	10	7	4	1	9	2	3	1	1	2	9	8	10	7	5·0
22	6	2	7	5	0	6	6	4	10	2	3	1	3	3	5	4	8	10	6	7	4	9	3	4	1	1	1	9	8	9	8	5·0
23	5	2	6	5	2	7	5	5	10	2	3	1	3	3	6	4	7	10	6	8	2	9	2	4	1	2	1	9	8	9	8	5·0

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

Hour Ending. \ Day.	August 1934.																															
	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	24	0	0	0	0	0	15	16	2	13	27	0	20	4	5	14	0	17	0	24	30	0	20	0	0	21	23	14	0	0	10	5·0
8	60	43	30	0	50	38	51	60	51	15	60	21	46	56	55	60	0	60	5	60	60	49	55	0	15	60	60	60	0	0	58	20·1
9	60	60	18	4	35	48	60	60	47	58	58	58	45	60	60	60	0	60	47	60	60	60	55	0	25	60	60	43	26	0	4	22·5
10	60	60	30	53	48	44	60	60	55	57	56	60	55	60	60	60	14	60	55	60	60	60	60	0	9	60	55	47	33	4	1	24·3
11	60	60	44	57	30	27	54	60	50	59	57	55	55	60	56	60	58	60	32	60	60	50	60	0	40	60	59	16	21	4	2	23·8
Noon	60	60	20	60	35	47	55	54	48	58	53	60	33	60	52	57	46	60	20	60	60	50	60	0	52	60	60	30	58	11	4	24·0
13h	60	60	30	60	52	45	13	56	57	54	60	60	45	60	59	34	19	60	22	60	60	55	60	0	30	60	60	50	44	4	0	23·2
14	60	60	55	60	31	58	32	53	40	48	50	60	50	60	60	50	25	60	14	60	58	58	60	43	15	60	60	50	40	0	2	23·9
15	60	60	60	60	0	44	34	60	42	57	60	60	55	60	57	50	46	60	51	60	35	56	56	60	5	60	60	0	55	5	40	24·5
16	50	60	54	60	52	45	60	60	9	45	60	60	60	60	60	50	27	40	51	60	47	7	60	58	5	60	60	9	58	0	60	24·1
17	55	56	40	60	31	53	32	55	7	60	50	50	48	50	52	56	40	46	18	60	60	0	43	57	0	60	56	18	48	0	56	22·0
18	6	5	1	2	0	10	10	20	0	15	6	20	5	15	0	0	4	0	6	30	25	0	22	20	0	16	30	2	3	0	31	5·1
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 242·7 hrs. and the total possible sunshine was 353·0 hrs.

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

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

AUGUST 1934.

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

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

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

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

AUGUST 1934.

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

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during AUGUST 1934.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

AUGUST 1934.

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

Hour.	17d. Dir.	17d. Vel.	18d. Dir.	18d. Vel.	19d. Dir.	19d. Vel.	20d. Dir.	20d. Vel.	21d. Dir.	21d. Vel.	22d. Dir.	22d. Vel.	23d. Dir.	23d. Vel.	24d. Dir.	24d. Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. Dir.	27d. Vel.	28d. Dir.	28d. Vel.	29d. Dir.	29d. Vel.	30d. Dir.	30d. Vel.	31d. Dir.	31d. Vel.	Mean Velocity
Midnight	12	4·1	11	7·5	12	4·5	12	2·5	09	3·0	11	1·6	11	2·3	10	1·8	11	2·3	11	2·7	11	2·6	13	1·3	11	1·8	09	2·8	11	2·7	3·0
1h	10	4·1	10	6·0	12	4·2	12	2·9	11	3·4	11	1·0	11	2·6	10	1·8	11	2·3	11	3·2	11	1·9	13	1·0	11	1·7	11	1·6	10	2·5	2·9
2	11	3·1	10	4·3	10	4·4	12	3·4	10	3·0	11	1·6	11	2·5	10	2·1	11	2·1	12	2·2	11	0·7	13	1·2	11	1·2	11	3·1	11	3·1	2·8
3	12	2·8	10	4·5	12	4·0	11	2·9	11	2·7	11	1·5	11	2·3	11	2·1	11	2·7	11	3·0	13	1·8	13	1·1	10	2·0	13	2·4	09	2·5	2·8
4	11	3·3	10	4·0	12	3·8	12	4·3	11	3·1	11	1·6	11	2·9	11	2·6	12	2·6	12	2·8	14	0·9	13	1·7	12	1·3	13	2·7	08	2·9	2·8
5	12	2·9	10	3·0	10	4·0	12	2·2	10	2·7	11	1·5	12	3·3	11	2·9	07	3·0	11	2·5	14	1·0	13	3·3	12	1·5	12	2·1	08	2·1	2·8
6	11	3·2	12	2·1	13	4·6	10	2·1	10	2·9	11	1·6	11	2·4	11	3·0	12	3·1	11	2·4	14	1·1	13	2·7	12	1·3	12	1·5	08	2·1	2·7
7	11	4·3	12	3·8	13	2·6	10	2·0	10	2·4	11	2·2	11	3·2	11	2·9	12	3·0	11	2·8	14	1·0	13	3·2	13	1·8	12	2·3	11	2·7	2·9
8	12	3·9	11	7·5	11	3·7	09	3·8	10	3·1	11	2·1	10	4·2	10	3·1	12	2·6	10	3·5	12	2·4	13	3·2	14	2·7	11	3·1	11	3·4	3·5
9	07	4·5	10	6·4	12	5·2	08	4·6	11	3·7	11	4·4	09	5·4	06	2·6	09	4·1	09	4·5	11	4·2	12	2·7	10	2·9	10	4·1	08	3·5	4·6
10	09	5·3	11	6·7	11	6·5	09	4·4	10	4·0	10	5·5	10	6·0	08	1·8	11	4·2	08	5·5	12	5·2	12	4·0	09	4·6	08	4·8	08	5·0	5·5
11	12	7·0	10	6·7	10	6·9	09	8·1	08	3·9	12	5·5	10	5·7	08	4·4	09	4·9	11	5·3	12	5·4	13	5·2	12	4·3	10	5·6	11	4·4	6·0
Noon	10	7·2	10	7·2	10	6·3	10	4·4	10	3·9	10	6·6	09	5·9	08	5·2	09	5·3	10	5·7	11	4·8	12	5·1	12	4·2	09	5·2	05	5·3	6·0
13h	11	6·1	12	6·9	10	6·9	09	5·7	10	3·5	10	6·7	09	5·6	09	5·8	09	5·0	11	5·3	12	5·9	12	5·5	11	4·3	12	5·1	07	5·2	6·1
14	09	6·9	10	7·0	12	6·3	10	5·2	10	4·2	10	6·7	08	5·5	09	5·6	11	4·8	09	4·8	11	3·5	12	5·4	10	5·0	09	5·1	07	4·9	6·0
15	11	6·6	12	7·0	08	6·3	10	4·6	12	3·4	11	5·8	10	4·9	12	6·0	09	4·7	10	4·8	11	4·4	12	4·4	11	4·1	11	4·9	05	5·0	5·7
16	10	6·7	12	5·8	11	7·3	10	4·7	11	3·3	11	6·2	11	4·4	09	5·0	10	4·4	11	4·8	12	3·8	13	4·4	12	4·5	10	4·5	09	4·4	5·5
17	11	6·2	12	4·4	11	6·9	12	4·9	11	2·8	12	4·8	09	4·7	09	4·8	12	4·2	09	4·4	13	3·6	13	3·0	12	4·0	10	3·6	09	4·9	5·1
18	11	6·1	12	3·9	11	4·1	12	3·5	11	1·9	10	4·2	10	3·1	10	3·7	11	1·9	10	3·5	13	2·1	12	3·1	12	2·9	12	4·1	09	2·8	3·7
19	11	5·9	12	3·7	12	2·8	12	2·2	11	1·2	11	3·3	10	1·8	11	2·3	11	3·0	10	2·6	13	2·1	13	1·7	11	2·1	11	1·5	09	2·1	3·0
20	09	5·2	10	3·4	11	4·7	12	3·8	11	1·4	12	2·7	10	1·5	11	2·0	11	2·6	11	1·8	13	2·9	13	2·3	12	3·3	11	2·0	09	1·1	3·2
21	11	5·4	10	3·8	10	3·5	11	3·3	11	1·1	11	2·6	10	1·8	11	2·5	11	2·9	11	2·1	13	1·8	13	2·3	11	3·0	11	1·7	09	1·2	3·0
22	10	6·1	10	4·0	12	4·0	09	4·0	11	1·3	11	3·1	10	1·9	11	1·8	11	2·3	11	2·8	13	3·2	10	1·9	10	2·2	11	1·2	09	1·2	3·1
23	10	7·6	11	4·4	12	3·2	07	3·7	11	1·5	11	3·3	10	2·0	11	1·9	11	3·4	11	2·2	13	1·7	11	2·7	08	1·5	11	2·9	09	1·4	3·2

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), AUGUST, 1934.

Hour	Force (0–12): 8 or above	4 to 7	0 to 3	Direction: N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	...	31	...	...	...	...	5	6	20	...	...	...	...	...	...	...	...	...
9	...	7	24	...	...	...	1	12	8	10	...	...	...	...	...	...	...	...	...
15	...	17	14	...	...	1	...	8	7	15	...	...	...	...	...	...	...	...	...
21	...	1	30	...	...	...	...	4	8	19	...	...	...	...	...	...	...	...	...
Totals	...			...	...	1	1	29	29	64	...	...	...	...	...	...	...	...	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for AUGUST 1934.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of AUGUST 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	3·03	77·0	50·3	14
*	St. Antoine	50	3·32	84·3	53·8	9
*	Belmont	50	3·54	89·9	50·0	13
*	Poudre d'Or	20	4·02	102·1	52·3	13
	Mon Loisir S. E.	300	...	...	64·8	...
	Forbach	300	...	...	48·3	...
*	Couroupa	...	3·76	95·5	92·5	13
*	Labourdonnais	290	2·99	76·0	68·3	10
	Beau Séjour	300	2·95	74·9	92·7	16
	Mont Piton	650	2·44	62·0	94·0	15
	Mon Choix	700	2·67	67·8	79·0	14
	Antoinette	640	2·45	62·2	96·0	15
	Mon Songe	620	2·87	72·9	100·8	16
	Botanical Gardens ...	325	4·14	105·1	75·7	23
*	The Observatory	179	2·79	70·9	57·1	22
	Solitude	175	2·16	54·9	40·6	9
	St. André	90	2·53	64·3	50·8	9
	La Nicolière	...	3·48	88·4	...	20
	California	...	3·51	89·2	...	15
	Australia	...	2·86	72·6	...	14
2 & 3	Union Réguard S.E. (Flacq)	600	3·20	81·3	93·7	17
	Constance d'Arifat L.G. ...	100	1·36	34·5	75·2	15
	Rich Fund	600	3·71	94·2	138·4	23
	La Joffrette	...	3·18	80·8	...	11
	Belle Vue (Alleudy) ...	...	3·31	84·1	179·7	20
4 *	Sans Souci	900	...	...	216·1	...
	Beau Champ (G.R.S.E.) ..	20	...	...	84·6	...
	Olivia	400	...	...	152·7	...
	Trois Ilots	...	...	...	...	...
	Belle Rive	400	...	...	...	..
	Sébastopol	700	4·60	116·8	...	20
	Bonne Veine	400	7·38	187·4	255·5	23
5	Rose Belle	850	...	...	...	...
	New Grove	650	...	...	...	...
	Mon Trésor	...	1·65	41·9	...	9
	Mon Désert (Carié) ...	75	1·45	36·8	59·4	13
	Ferney	20	2·85	72·4	115·6	18
	Sauve Terre	...	0·98	24·9	..	5
6	Tivoli	1,300	4·47	115·5	239·5	27
	La Flora	1,050	5·50	139·7	249·9	23
6	Riche Bois (Brit.) ...	650	3·57	90·7	...	20
	Britannia (Estate) ...	700	3·98	101·1	162·3	22
	Savannah (Mill) ...	200	1·47	37·3	88·3	7
	St. Aubin	300	2·19	55·6	110·0	13
	St. Avold	900	4·29	109·0	199·1	26
	Colmar	400	4·25	107·9	140·5	18
	Union S. E.	...	1·32	33·5	112·8	10
	Fontenelle	320	2·48	63·0	134·4	9
	Choisy	200	3·22	81·8	...	11
	Beau Bois	...	3·92	99·6	...	16
	Bel Air	...	1·85	47·0	..	6
	St. Félix	...	2·10	53·3	...	8
7,8,9 & 10	Bel Ombre	40	2·60	66·0	87·6	15
	Beau Champ (B. du Cap)	70	2·32	58·9	...	13
	Fréderica	...	3·07	78·0	...	15
	Pierre Fond	...	2·27	27·7	...	18
	Ste. Marie	...	3·78	96·0	...	15
	Hussonia Limited .	...	...	...	...	...
11	Curepipe Gardens ...	1,840	9·73	247·1	205·5	30
	Mare aux Vacoas (G.E.)	1,850	8·81	223·8	271·3	25
	Mare aux Vacoas (Arn.)	1,830	9·09	230·9	289·6	25
	La Marie Filter Bed ..	1,700	7·08	179·8	179·6	21
*	Sophie	...	8·91	226·4	...	26
	Réunion	1,420	6·41	162·8	130·3	22
*	Aerological Station ...	1,393	5·97	151·6	147·8	26
12	Quatre Bornes (Board) ...	1,090	2·53	64·3	...	10
*	Le Réduit (D. of A.) ...	1,000	2·24	56·8	64·0	24
	Alma	1,460	6·37	161·8	177·5	18
	Bagatelle	1,250	5·98	151·9	103·6	18
	Highlands	1,300	4·95	125·7	129·0	21
	Trianon	950	...	...	71·1	...
	Val Ory	1,100	2·82	71·9	69·6	18
	Bassin	...	2·24	56·9	...	17
	Hermitage	1,450	7·15	181·6	...	17
	Ebene	...	2·92	74·2	...	20
	Bega	..	2·28	57·9	...	20
	Mon Rêve	...	3·87	98·3	...	21
	Mont Pevril	...	3·48	88·4	...	20
	Minissy	1,150	3·75	95·2	83·1	21
	Plaisance	...	1·38	35·1	...	8
	La Ferme	350	0·75	19·0	...	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 AUGUST 1934.

Day \ Type.	Time	Scud		Cumulus Cu. St. &c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cumulus Cu. St. &c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	11½	98	16·1*	106	13·0*	...	...	...	...	...	...	...	...	13¾	113	22·8*	98	19·3*	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	9¾	90	17·3*	89	6·0*	113	2·2*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	9¾	98	20·2*	83	12·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	9½	114	30·8*	124	14·5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	9½	98	22·3*	86	19·0*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	11¼	88	13·7	88	15·4	...	...	...	...	...	...	...	...	14¾	88	8·4	103	21·0	...	...	...	...	...	...	...	...
11	10¼	88	18·3	88	24·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	10¼	133	25·3	118	13·4	...	...	...	...	...	...	...	...	15	133	14·3	133	8·0	...	...	...	...	...	...	...	...
14	11	118	19·2	118	11·2	...	...	...	...	...	...	...	...	15	133	27·7	118	19·2	...	...	...	...	...	...	...	...
15	9¾	118	16·6	118	31·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	11½	118	8·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	11¼	118	15·0	118	16·1	...	...	...	...	...	...	...	...	12¾	112	13·0*	120	14·4*	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	11¾	103	13·9	118	21·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	10½	118	11·6	...	...	43	5·1	...	...	...	...	...	...	14¾	...	...	...	...	28	...	...	...	...	...	...	...
23	11½	118	11·1	118	12·1	298	...	...	...	...	...	...	...	14¼	103	6·8	118	9·8	...	...	...		...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	15	118	16·4	...	...	178	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	129	12·7*	134	12·5*	...	...	...	...	...	...	...	...
28	11¼	144	15·0*	144	9·5*	142	10·1*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	11¼	110	16·0*	...	...	90	6·6*	...	...	...	...	...	...	14½	110	12·0*	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

SEPTEMBER, 1934

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

DIRECTOR

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PORT LOUIS

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1935

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF SEPTEMBER 1934.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)
SEPT.	° ′			′		
1	12°50·6	·22536	·29657	4·7	43	17
2	50·6	518	661	5·5	115	16
3	50·7	523	663	6·0	42	10
4	50·9	526	665	6·2	53	11
5	56·2	529	661	6·3	22	22
6	51·5	532	662	6·5	26	20
7	51·1	534	663	4·8	18	21
8	51·0	546	659	5·5	39	33
9	51·2	549	660	4·0	33	14
10	50·9	554	659	6·5	35	30
11	50·8	552	660	6·8	23	17
12	50·0	548	662	7·7	33	35
13	51·3	547	660	6·3	31	42
14	51·0	549	660	8·8	37	39
15	51·7	555	663	7·5	28	22
16	51·3	545	662	8·0	71	26
17	51·3	531	664	9·0	76	24
18	50·9	531	667	5·3	28	19
19	51·7	540	664	7·5	45	19
20	51·9	542	664	9·5	52	25
21	51·2	550	666	6·5	25	25
22	51·2	545	666	5·2	39	20
23	50·8	543	664	5·5	21	30
24	51·5	535	664	11·0	79	42
25	51·9	514	668	7·5	97	29
26	51·7	526	670	6·0	77	23
27	51·4	520	669	9·2	50	20
28	51·0	524	668	8·5	31	26
29	51·8	532	669	8·0	25	15
30	52·0	...	668	5·5	...	23
...	...	...	...	...	...	...
Mean	12°51·20	·22537	·29664	6·84	44·6	24·2

Description of the Principal Magnetic Disturbances.

Declination.—2d. at end: small irregular oscillations. 25d. small fluctuations. From 18h. to 22h. minor oscillations. (3′)

Horizontal Force.—1d. Slightly disturbed. 2d. disturbed at the end; at 19h.40m. negative wave of 20γ followed at 22h. by a +ve wave of 20γ. 3d. Slightly disturbed. 8d. 20h.30m. to 22h.00m. Small rapid oscillations. 16d. Disturbed; from 6h.30m. to 7h.30m. small rapid oscillations; from 12h. large decrease occurs. 17d. large decrease from 12h. 20d. Positive wave 20γ at 2h.30m. 24d. Disturbed period beginning at 10h.; large fluctuations between 12h. and 20h. 25d. Continuation of the disturbed period; positive wave at 2h.30m. of 27γ. Negative wave 30γ at 8h.35m. At 18h. positive wave 30γ followed by rapid oscillations. 27d. Rapid decrease at 11h.; at 20h.40m. rapid increase. 28d. Slightly disturbed.

Vertical Force.—1d. Slightly disturbed; small pulsations. 2d. Disturbed from 18h. irregular oscillations not exceeding 5γ. 3d. Small pulsations at times. 8d. Mainly quiet except for a large increase in diurnal range. (33γ). 11d. and 12d Minor pulsations at times. 13d. large increase in diurnal range; from 12h. to 15h.15m. a rapid but regular decrease of (35γ). 17d. Small +ve wave at 19h.15m. 24d. Disturbed period from 6h.; large increase in diurnal range with minor oscillations. 25d. Disturbed; Sudden increase of 10γ from 8h. to 9h. at 18h. positive wave of 9γ followed by minor oscillations. At 22h.05m. sharp negative wave of 10γ; small pulsations throughout. 27d. Slightly disturbed.

T=·37253: Mean Dip=52° 46′·50: (X=·21972: Y=−·05013: Z=·29664).
† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of SEPTEMBER 1934.

Declination (West) Day and Hour	Declination (West) Observed Value	Horizontal Force Day and Hour	Horizontal Force Observed Value	Dip (South) Day and Hour	Dip (South) Observed Value	Dip (South) Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
SEPT. 11·14·27	12 48·59	SEPT. 4·12·17	·22560	SEPT. 11·15·01	52 45·32	·29651
14·14·34	12 47·00	7·13·44	·22542	14·14·45	52 44·93	·29638
25·13·39	12 50·25	10·11·50	·22570	25·14·02	52 47·37	·29653
		21·15·28	·22540			

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

SEPTEMBER 1934

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.		Mean	Day. / Hour.
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	52·5	52·3	52·0	52·3	52·0	52·0	51·5	51·5	52·5	55·0	52·5	52·5	52·0	52·5	...	51·8	Midnight
1h	52·0	52·0	52·0	52·5	52·2	52·0	52·0	51·5	52·4	53·5	52·0	51·5	52·0	52·5	..	51·7	1h
2	51·0	51·5	52·0	52·5	52·0	52·0	52·0	51·7	51·5	51·5	49·5	51·0	52·0	52·0	...	51·4	2
3	51·3	51·5	51·7	52·0	52·0	52·0	52·0	51·5	50·0	51·0	51·0	50·5	52·0	52·0	...	51·3	3
4	51·5	51·0	51·5	52·5	51·5	52·0	52·5	52·0	50·5	51·0	51·5	51·0	52·0	52·0	...	51·2	4
5	50·5	50·7	51·5	51·0	51·3	50·5	52·0	52·0	50·5	51·0	51·5	51·0	52·0	52·0	...	50·9	5
6	50·0	50·5	50·7	50·0	50·5	49·5	50·5	51·5	51·0	50·5	52·0	50·5	51·0	50·7	...	50·5	6
7	49·0	50·0	51·0	50·0	50·3	49·0	50·0	52·5	49·5	52·0	52·7	51·5	51·5	51·0	...	50·1	7
8	50·0	51·0	53·0	52·0	51·5	50·5	51·0	54·7	51·5	52·5	54·5	53·0	52·5	52·5	..	51·3	8
9	53·5	52·5	55·0	54·0	54·0	52·5	52·5	56·0	54·0	54·0	54·7	54·5	54·5	54·5	...	53·0	9
10	55·5	53·0	55·5	56·0	55·0	53·5	53·0	56·0	53·5	55·0	54·7	55·0	56·0	56·0	...	54·2	10
11	56·5	53·3	55·0	58·5	55·0	53·7	52·5	53·5	53·5	54·0	54·0	53·0	55·5	54·5	...	54·0	11
Noon	54·0	50·5	54·0	55·0	52·5	53·0	51·5	51·5	54·0	52·5	52·0	50·5	53·0	53·5	...	52·9	Noon
13h	52·0	49·5	52·5	52·0	50·0	51·0	48·0	47·0	52·0	50·0	48·5	48·0	50·0	52·0	...	51·0	13h
14	49·0	48·5	51·0	51·0	48·5	48·5	46·5	45·0	49·5	49·0	45·5	46·5	48·0	50·0	...	49·1	14
15	48·0	48·0	49·0	49·0	43·5	48·5	46·7	45·5	48·0	49·0	45·7	46·7	48·0	49·5	...	47·8	15
16	47·5	48·0	48·0	49·0	48·5	50·0	48·0	49·5	48·5	49·3	47·5	47·5	48·5	49·5	...	48·2	16
17	49·5	49·5	49·0	50·0	50·0	51·0	50·0	50·0	50·0	50·5	49·5	49·0	50·0	50·5	...	49·6	17
18	50·0	51·0	50·5	50·7	51·0	51·5	51·0	50·5	54·0	51·5	50·7	51·0	51·0	51·0	...	50·9	18
19	51·5	51·3	50·7	50·7	51·0	51·5	51·5	52·0	52·5	51·5	52·0	51·5	52·0	51·3	...	51·3	19
20	51·5	51·5	51·0	51·0	51·5	51·5	51·5	53·0	53·5	51·5	52·5	52·0	52·0	51·5	...	51·8	20
21	52·0	51·5	52·5	51·5	51·5	51·5	51·5	52·5	54·0	52·0	53·0	52·5	52·0	52·0	...	51·7	21
22	51·5	51·5	51·5	51·5	51·5	51·5	51·5	52·5	52·0	52·0	53·0	52·5	52·3	52·0	...	51·8	22
23	51·7	51·5	51·5	51·5	51·5	51·5	51·3	52·0	55·5	52·5	53·0	52·0	52·3	52·3	...	51·7	23

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

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

SEPTEMBER 1934.

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	527	527	517	528	520	527	529	531	543	549	549	545	537	547	543	551	Midnight
1h	532	525	516	525	530	528	530	532	542	550	553	552	550	547	547	552	1h
2	531	538	518	530	527	530	529	532	543	550	566	557	550	546	549	552	2
3	535	523	523	529	526	533	528	533	542	553	554	560	547	548	550	559	3
4	545	529	539	533	526	536	530	537	545	553	553	555	547	550	552	560	4
5	543	533	547	533	527	537	532	540	547	555	553	560	550	549	553	565	5
6	547	535	532	532	528	537	531	542	550	559	553	562	551	551	552	570	6
7	550	535	530	533	530	536	529	543	550	558	559	557	554	555	558	563	7
8	554	534	538	533	531	532	529	549	553	558	565	563	558	563	565	555	8
9	556	527	542	537	532	532	535	550	554	559	565	560	559	567	566	556	9
10	555	529	534	541	533	532	540	550	555	559	560	550	560	562	569	570	10
11	550	548	523	548	542	540	541	553	562	563	555	547	555	563	571	580	11
Noon	549	550	525	553	540	548	540	560	570	575	548	541	550	562	571	581	Noon
13h	553	547	520	548	537	543	545	569	572	574	548	540	537	555	563	565	13h
14	542	543	507	532	530	534	545	570	558	562	542	530	520	545	559	544	14
15	523	535	505	515	525	530	540	560	543	548	543	532	537	537	547	527	15
16	513	527	505	500	521	527	535	551	539	540	545	540	545	530	543	520	16
17	514	520	515	510	523	527	536	545	542	545	548	537	543	542	544	530	17
18	523	447	520	515	527	526	537	542	543	549	550	541	541	542	550	525	18
19	528	440	514	517	527	523	534	542	542	547	553	547	542	542	553	517	19
20	525	435	517	515	527	522	530	543	547	545	550	546	545	541	551	510	20
21	517	445	520	508	526	524	527	544	545	547	552	543	546	545	550	520	21
22	523	540	517	508	526	527	529	540	545	547	553	540	545	543	551	515	22
23	527	523	527	510	525	529	528	543	547	548	554	540	545	543	550	516	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	517	520	532	530	540	549	540	543	545	475	529	520	530	530	...	532·4	Midnight
1h	523	525	534	537	543	553	540	547	533	490	529	528	531	533	...	535·3	1h
2	530	525	532	540	545	548	540	550	542	499	540	531	532	537	...	532·7	2
3	533	527	533	553	547	549	542	551	567	510	537	535	532	535	...	540·0	3
4	534	528	537	540	550	543	543	553	550	518	523	534	532	533	...	540·9	4
5	550	530	539	548	551	551	545	556	540	523	535	537	533	534	..	543·5	5
6	555	532	540	549	551	562	547	560	530	525	532	532	533	535	..	544·1	6
7	554	536	543	552	551	553	549	565	540	533	532	533	537	538	...	545·4	7
8	562	537	547	558	551	549	550	560	545	545	537	531	540	540	...	548·0	8
9	571	540	550	565	551	553	548	558	523	552	527	530	543	540	...	548·6	9
10	571	539	557	560	555	551	548	554	535	550	521	535	545	540	...	549·0	10
11	565	540	562	552	562	555	555	545	523	535	525	528	543	525	...	549·3	11
Noon	557	545	559	548	565	556	553	515	510	530	500	523	540	535	...	547·0	Noon
13h	523	535	552	543	563	559	550	513	508	525	503	521	535	...*	...	543·3	13h
14	525	527	542	540	555	562	539	528	515	528	508	520	538	...	...	537·9	14
15	497	517	538	532	550	550	540	500	510	523	513	510	535	...	...	529·7	15
16	500	521	540	535	545	538	540	490	485	523	513	506	532	...	...	525·8	16
17	498	525	543	538	543	530	540	505	487	528	522	515	525	...	...	528·3	17
18	495	530	542	540	545	527	538	569	500	532	510	518	520	...	...	529·1	18
19	500	529	540	527	543	526	534	513	480	529	497	514	520	...	...	524·8	19
20	515	529	533	513	543	527	535	512	470	529	490	515	525	...	...	523·6	20
21	518	530	523	525	547	523	537	507	470	530	510	515	521	...	...	524·7	21
22	518	530	517	530	545	547	540	518	490	532	522	520	520	...	...	529·6	22
23	519	531	522	537	545	535	546	525	485	530	510	530	522	...	...	530·8	23

* Register missing from 12h.42m.

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, 1934

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d	13d.	14d.	15d.	16d.	Hour
	·29000+(C.G.S. UNIT.)																
Midnight	661	661	665	661	665	661	662	663	661	661	661	661	665	662	663	661	Midnight
1h	661	661	664	661	661	661	662	662	661	661	661	662	663	662	663	661	1h
2	660	662	665	661	662	661	663	662	661	661	660	661	662	662	663	661	2
3	661	661	665	662	662	662	663	662	661	660	660	660	662	662	663	661	3
4	659	661	663	661	663	662	662	662	661	660	660	660	662	661	662	661	4
5	659	661	661	662	664	663	664	662	661	660	660	660	662	661	662	661	5
6	659	660	662	662	664	664	664	662	661	660	659	659	661	661	661	660	6
7	659	659	662	662	663	664	668	662	662	660	662	661	661	660	661	660	7
8	661	662	665	667	666	667	671	669	665	665	667	667	666	664	666	664	8
9	663	663	667	670	669	671	670	671	667	670	667	681	673	670	671	670	9
10	660	663	669	670	670	671	670	669	665	669	667	681	675	677	675	674	10
11	657	662	665	666	666	661	665	661	659	661	663	667	669	671	675	671	11
Noon	652	663	664	661	659	661	661	654	655	657	659	661	665	664	668	665	Noon
13h	651	660	660	659	654	660	657	649	656	653	660	654	663	655	661	659	13h
14	646	654	659	660	649	652	650	642	655	647	656	652	649	642	653	651	14
15	647	651	659	665	648	651	651	638	653	640	653	646	633	638	654	648	15
16	649	653	660	669	650	657	656	643	653	643	650	650	641	646	656	652	16
17	653	659	663	670	655	662	662	651	654	650	654	654	653	653	659	659	17
18	657	665	665	669	660	663	664	659	660	658	659	661	659	660	661	661	18
19	657	666	664	667	651	665	665	661	662	661	661	662	661	661	661	663	19
20	657	666	664	666	661	665	665	661	662	662	661	662	662	662	661	666	20
21	660	666	663	667	662	663	665	662	663	662	662	663	663	662	661	665	21
22	661	667	663	667	661	662	665	662	663	662	662	665	662	662	661	665	22
23	661	664	662	666	661	662	665	662	662	662	662	665	663	662	661	666	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.		Mean	Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	667	666	665	665	665	665	667	666	668	679	671	673	669	670	...	665·0	Midnight
1h	667	666	665	664	664	664	666	665	666	674	671	670	669	669	...	664·2	1h
2	665	665	665	665	663	664	665	664	666	672	668	670	669	669	...	663·9	2
3	665	665	665	662	664	663	665	664	663	671	669	669	669	669	...	663·7	3
4	666	666	666	665	664	664	665	664	664	670	669	669	669	669	...	663·7	4
5	664	666	666	665	665	664	666	664	666	670	669	669	669	669	...	663·8	5
6	663	666	666	663	664	663	665	664	667	671	669	668	666	667	...	663·3	6
7	661	667	667	665	666	666	665	667	667	673	672	670	667	669	...	664·2	7
8	666	670	671	670	671	673	668	673	670	675	676	673	673	673	...	668·5	8
9	672	672	672	673	676	677	673	677	678	680	680	678	676	677	...	672·5	9
10	676	677	671	674	677	676	675	678	677	682	678	679	676	679	...	673·3	10
11	674	673	667	671	674	671	671	669	671	680	665	670	676	675	...	668·2	11
Noon	663	671	662	666	663	666	658	655	660	670	659	660	672	669	...	662·1	Noon
13h	657	664	658	656	653	659	645	643	661	659	656	653	667	658	...	656·6	13h
14	653	658	658	650	652	651	647	636	656	660	654	654	661	656	...	652·1	14
15	652	659	655	649	658	653	652	644	653	661	657	657	664	661	...	651·7	15
16	656	662	653	653	663	660	657	658	660	662	663	661	665	660	...	665·4	16
17	662	667	660	658	667	665	664	664	665	666	667	665	667	669	...	660·6	17
18	666	668	664	662	669	666	667	666	674	666	669	667	671	670	...	664·2	18
19	667	668	665	665	668	669	668	668	672	667	671	668	670	669	...	665·1	19
20	666	667	665	667	668	670	668	671	677	669	637	670	669	669	...	665·7	20
21	666	667	667	669	667	670	669	671	682	670	676	671	670	670	...	666·5	21
22	666	666	666	668	666	670	667	671	676	670	673	671	670	669	...	665·9	22
23	665	666	666	665	665	669	666	671	680	670	673	669	670	669	...	665·7	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of SEPTEMBER 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
SEPT.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	972·7	19·0	4·3	11·2	60	13·2	100	2·7	10	13·5	17·4	20·7	16·0	22·7	12·3	10·4	0·0	3·0	26
2	971·2	18·3	1·9	14·8	80	16·7	100	6·3	10	15·2	17·0	18·8	17·0	20·9	14·2	6·7	2·1	3·3	28
3	971·1	22·0	2·5	17·6	76	19·9	110	5·4	7	16·0	17·0	20·4	17·0	22·4	14·2	8·2	7·4	9·7	83
4	970·6	19·4	2·7	14·5	73	16·4	75	0·5	10	15·8	19·0	20·5	17·5	21·4	15·3	6·1	1·2	2·1	18
5	971·5	21·3	3·4	15·3	68	17·2	120	1·8	9	17·0	19·0	20·3	17·3	22·6	15·3	7·3	0·0	3·6	31
6	972·6	17·5	1·2	15·3	87	17·2	145	4·9	10	16·0	19·1	19·0	17·7	21·0	14·9	6·1	2·7	3·3	28
7	973·9	19·4	2·9	14·2	72	16·1	150	8·1	8	16·4	17·3	19·8	17·5	21·9	15·5	6·4	1·3	8·8	75
8	975·7	19·4	2·2	15·4	78	17·3	135	8·1	9	16·9	16·0	19·5	17·2	20·9	13·9	7·0	6·6	7·9	67
9	975·5	16·4	0·7	15·1	92	17·0	140	7·2	10	16·7	15·5	18·5	16·8	19·9	14·8	5·1	6·6	3·2	27
10	975·1	17·9	1·9	14·4	80	16·3	150	6·7	10	15·2	15·9	17·3	16·7	20·4	14·3	6·1	3·6	3·6	30
11	974·3	17·3	1·9	13·8	80	15·6	135	7·6	10	15·5	17·7	18·5	16·3	20·3	14·6	5·7	1·1	6·5	55
12	974·1	17·6	1·8	14·3	81	16·2	135	7·2	10	15·6	16·5	19·0	16·5	20·4	14·9	5·5	7·0	3·7	31
13	973·9	17·7	1·8	14·4	81	16·3	120	5·4	10	16·0	17·0	19·0	16·5	21·0	13·8	7·2	5·6	5·4	45
14	971·6	18·4	1·6	15·5	83	17·4	135	5·4	8	15·6	18·0	19·7	16·7	21·2	14·4	6·8	4·8	7·8	66
15	970·2	18·9	1·6	16·0	83	18·0	125	7·6	7	16·0	17·5	18·6	17·0	21·8	15·3	6·5	1·3	7·8	66
16	970·5	20·5	3·0	15·1	71	17·0	Calm		9	17·0	19·0	18·7	17·0	22·6	16·3	6·3	1·4	2·5	21
17	971·3	20·9	3·5	14·6	67	16·5	140	0·5	7	15·3	21·0	21·5	17·6	23·4	13·3	10·1	5·1	10·8	90
18	973·0	19·9	2·1	16·1	79	18·1	150	4·5	8	17·1	18·5	20·2	17·3	21·7	16·3	5·4	1·5	8·3	69
19	973·9	17·5	1·1	15·5	88	17·4	155	7·2	10	16·1	16·5	17·1	16·1	18·9	15·3	3·6	7·7	3·2	27
20	975·4	17·9	1·9	14·4	80	16·3	135	9·4	4	15·0	15·5	18·6	16·0	20·4	14·7	5·7	11·0	9·4	78
21	975·7	17·8	0·2	17·4	97	19·7	125	7·2	9	15·5	17·9	17·4	16·0	20·4	14·7	5·7	0·8	5·1	43
22	974·9	16·9	1·1	14·8	88	16·7	140	7·2	10	15·7	15·5	17·5	15·6	18·9	14·4	4·5	14·8	3·8	31
23	973·7	18·0	1·8	14·7	81	16·6	125	6·7	9	15·5	16·0	18·1	16·0	19·5	14·2	5·3	15·4	4·1	34
24	973·4	20·8	2·3	16·7	77	18·8	110	4·9	9	15·8	16·7	19·9	16·5	21·1	15·2	6·9	6·1	4·1	34
25	972·5	17·5	0·7	16·2	92	18·2	110	4·0	10	15·9	18·5	19·5	17·5	21·2	14·7	6·5	1·0	2·3	19
26	971·8	18·1	0·8	16·6	91	18·7	110	4·9	10	17·0	17·1	19·5	17·4	21·2	16·2	5·0	2·9	3·9	32
27	972·9	18·6	1·8	15·3	81	17·2	135	2·2		16·0	16·5	19·9	16·0	21·3	15·3	6·0	5·3	3·3	27
28	971·0	19·4	2·6	14·7	74	16·6	130	1·8	10	16·5	18·5	19·5	16·6	21·6	15·1	6·5	2·3	1·7	14
29	971·4	21·5	5·4	11·9	64	13·8	Calm		8	16·1	17·5	22·5	16·7	23·9	15·4	8·5	0·0	4·2	34
30	971·4	20·9	4·6	12·7	70	14·6	130	0·5	1	13·5	19·0	20·0	16·5	23·7	12·3	11·4	0·0	5·4	44
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	972·9	18·6	2·2	14·9	79·1	16·9	° ...	4·9	9	15·8	17·4	19·3	16·7	21·3	14·7	6·6	126·6	5·06	42·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	42·5mbs.	Amount of rain	—	41·1mms.
Temperature of the Air	+	3·4°C	Duration of sunshine	+	52·9hrs
Vapour Pressure	+	0·3mbs.	Mean of maximum temperatures	+	2·5°C
Relative Humidity	—	13·4%	,, minimum temperatures	+	2·2°C
Velocity of Wind		0·0mps.	Absolute maximum temperature	+	1·9°C
Amount of Cloud	—	1·6	,, minimum temperature	+	2·0°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1934.

Month and Day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10)
SEPT.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mm.	mins.	mm.	
1	1013·8	− 0·5	23·4	17·0	6·4	19·7	− 0·6	3·3	13·7	− 1·6	68	− 5	15·5	15·8	0·0	00	4·0	8·0
2	1013·0	− 1·2	23·2	16·2	7·0	19·8	− 0·5	2·2	15·8	+ 0·5	78	+ 5	17·8	14·8	1·4	28	4·5	7·2
3	1012·2	− 2·0	24·1	16·9	7·2	20·2	− 0·1	2·2	16·3	+ 1·0	79	+ 6	18·4	16·0	1·8	32	5·8	5·3
4	1011·5	− 2·6	24·9	17·3	7·6	20·4	0·0	2·0	16·8	+ 1·4	80	+ 7	18·9	16·8	6·6	80	5·5	8·7
5	1012·8	− 1·3	24·0	15·7	8·3	20·1	− 0·3	2·1	16·3	+ 0·9	79	+ 6	18·4	14·6	0·0	00	2·7	6·1
6	1013·7	− 0·3	24·8	15·0	9·8	19·9	− 0·5	2·4	15·6	+ 0·2	77	+ 4	17·6	16·6	0·5	14	4·3	4·4
7	1015·7	+ 1·7	23·8	17·4	6·4	20·3	− 0·2	2·7	15·5	0·0	74	+ 1	17·4	15·6	0·8	17	4·6	4·2
8	1016·9	+ 3·0	22·3	17·9	4·4	20·6	+ 0·1	3·3	14·7	− 0·6	69	− 3	16·6	17·0	0·1	5	3·2	4·7
9	1017·3	+ 3·4	22·2	16·5	5·7	19·3	− 1·2	2·4	15·0	− 0·3	76	+ 4	16·9	13·4	4·8	53	3·3	6·8
10	1016·6	+ 2·8	22·6	16·3	6·3	19·3	− 1·2	3·0	13·9	− 1·4	71	− 1	15·7	13·8	0·2	8	3·9	7·1
11	1015·8	+ 2·1	23·2	17·2	6·0	19·9	− 0·7	3·0	15·5	+ 0·1	76	+ 4	17·4	15·2	4·5	41	7·0	6·7
12	1015·8	+ 2·1	23·3	17·5	5·8	20·0	− 0·6	3·4	13·9	− 1·5	68	− 4	15·7	15·8	1·0	26	5·4	6·3
13	1015·2	+ 1·6	23·8	17·2	6·6	19·8	− 0·8	2·7	14·9	− 0·5	73	+ 1	16·8	14·0	2·9	30	5·7	6·4
14	1013·0	− 0·6	23·6	17·4	6·2	20·1	− 0·6	2·4	15·8	+ 0·3	76	+ 4	17·8	14·6	0·3	5	4·7	5·2
15	1011·4	− 2·2	24·3	17·8	6·5	20·4	− 0·3	2·5	15·9	+ 0·4	76	+ 4	17·9	17·0	0·0	00	4·2	5·8
16	1012·0	− 1·5	23·0	17·4	5·6	20·1	− 0·7	1·4	17·6	+ 2·0	85	+ 13	19·9	15·2	42·9	261	4·0	9·0
17	1013·6	+ 0·1	24·4	15·0	9·4	19·7	− 1·1	1·7	16·6	+ 1·0	82	+ 10	18·7	13·8	0·0	00	3·6	2·9
18	1014·8	+ 1·3	24·8	15·5	9·3	20·1	− 0·7	2·5	15·6	+ 0·2	76	+ 4	17·6	14·4	0·0	00	5·6	3·4
19	1016·0	+ 2·6	23·4	17·4	6·0	19·4	− 1·5	2·0	15·8	+ 0·3	80	+ 8	17·8	14·8	4·2	43	4·0	6·8
20	1016·7	+ 3·4	23·0	16·3	6·7	19·6	− 1·3	3·5	13·3	− 2·2	67	− 5	15·1	15·0	0·5	5	6·2	4·0
21	1017·3	+ 3·9	23·5	17·2	6·3	20·4	− 0·6	3·4	14·3	− 1·4	68	− 4	16·2	16·0	0·0	00	5·8	6·0
22	1016·6	+ 3·3	23·1	17·7	5·4	19·7	− 1·3	2·6	15·0	− 0·7	74	+ 3	16·9	17·0	2·2	40	5·0	8·3
23	1015·6	+ 2·3	23·1	17·5	5·6	19·3	− 1·7	1·6	16·4	+ 0·7	83	+ 12	18·5	16·8	7·1	76	5·4	9·0
24	1014·6	+ 1·4	24·0	18·0	6·0	20·4	− 0·7	2·7	15·6	0·0	74	+ 3	17·6	16·0	2·0	17	5·1	7·7
25	1013·4	+ 0·3	24·1	17·6	6·5	20·8	− 0·3	2·6	16·2	+ 0·6	75	+ 4	18·2	16·8	1·0	5	5·4	8·2
26	1013·8	+ 0·7	23·7	17·3	6·4	20·6	− 0·6	2·4	16·3	+ 0·6	77	+ 6	18·4	16·0	0·5	10	4·3	8·3
27	1014·1	+ 1·1	24·9	18·0	6·9	20·6	− 0·6	2·8	15·6	− 0·1	73	+ 2	17·6	15·6	0·0	00	5·0	6·5
28	1012·8	− 0·1	25·0	18·5	6·5	20·9	− 0·4	3·0	15·6	− 0·2	72	+ 1	17·6	17·0	0·1	5	4·9	9·0
29	1013·3	+ 0·5	25·8	16·3	9·5	21·2	− 0·1	3·5	15·0	− 0·8	68	− 3	16·9	12·2	0·0	00	4·4	7·3
30	1013·4	+ 0·6	25·6	14·3	11·3	19·4	− 1·0	2·8	14·3	− 1·6	73	+ 2	16·2	12·2	0·0	00	3·4	5·0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1014·4	+ 0·8	23·8	16·9	6·9	20·1	− 0·7	2·6	15·5	0·0	74·9	+ 3·0	17·4	15·3	Sum 85·5	Sum 801	4·7	6·5
Aver.	1013·6	...	25·1	17·0	...	20·8	...	2·9	15·5	...	71·9	...	17·5	13·7	35·3	808	4·9	5·2
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF SEPTEMBER 1934.

The weather of September was abnormal in many respects. From the 7th of the month two positive pressure waves followed at short intervals. At the outset of the second pressure wave, some heavy rainfall was recorded amounting to about 50% of the total fall for the month.

Temperature was below normal on every day, but one; but a marked excess of humidity prevailed generally with a larger amount of cloud than usual and consequently less sunshine.

Wind velocity was above average on the days of high pressure. Rainfall was nearly 2½ times the normal for the month, falling altogether on 21 days.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1934.

Month and Day 1934.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather: 0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	24h.
SEPTEMBER	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.									
1	3·1	26	2·4	− 1·7	24·5	23·2	21·7	21·0				c				: bc	: b .
2	5·7	49	3·3	− 0·7	24·5	23·1	21·7	21·1	c	:	or_0r_0	: cg	: c	:		bc	.
3	10·2	87	3·4	− 0·6	24·5	23·1	21·8	21·4		cr_0r_0	: bc :			b	:	c	.
4	6·3	53	2·4	− 1·6	24·5	23·2	21·8	21·6		orr	:			c		: c R	.
5	3·2	27	2·0	− 2·0	24·4	23·1	21·9	22·1	c	:	bc :			c	:	b	.
6	5·0	43	3·4	− 0·6	24·4	23·1	22·1	22·0	b	: b d_0d_0	:		cr_0r_0	:		bc :	b .
7	9·0	76	4·8	+ 0·8	24·3	23·1	22·2	21·8		b	: bcq_0 dd			:	c :	bc	.
8	8·6	73	5·9	+ 1·9	24·4	23·1	22·2	21·8		bc	:		c		:	b	.
9	3·1	26	4·7	+ 0·7	24·3	23·0	22·1	21·7	bc	: c	;ogq_0rr;		ogq_0	:		bc	.
10	5·8	49	4·5	+ 0·6	24·4	23·1	22·1	21·4		c	.		cq_0	:	c :	bc	.
11	9·7	82	5·5	+ 1·6	24·2	22·9	22·0	21·3	bc	: cr_0r_0 :				bc		: or_0r_0	.
12	8·2	69	5·4	+ 1·5	24·4	23·3	21·9	21·4	c	:	cr_0r_0 :	cq_0	:		bc		.
13	9·2	77	3·9	0·0	24·3	23·2	21·9	21·3	bc	. crr	:		bc		:	cr_0r_0	.
14	9·7	82	3·7	− 0·1	24·2	23·1	21·9	21·4	b	: bc	: cr_0r_0 :			bc		; b	.
15	7·2	61	3·7	− 0·1	24·3	23·1	21·9	21·6	bc	: c	: o : c	:		bc	:	b	.
16	4·4	37	1·6	− 2·2	24·3	23·2	22·0	21·8		o RR	: c		: cRR	:	o R R		.
17	9·1	76	1·7	− 2·1	24·2	23·1	22·0	21·8	bc	:	b :		bc	:		b	.
18	10·6	88	3·3	− 0·5	24·2	23·1	22·2	22·2		b	;	bc		:	b		.
19	7·6	63	5·1	+ 1·3	24·2	23·1	22·3	22·4	b	: bc	: cqr_0r_0		: $cgqr_0$:	cgq	:	cr_0r_0	.
20	10·7	89	6·0	+ 2·2	24·3	23·1	22·3	22·0	c	:	b :		b Q	:	b :	bc	.
21	8·7	73	5·6	+ 1·8	24·3	23·1	22·3	21·9		b	: bcq	: cq	:		o		.
22	6·2	51	5·2	+ 1·5	24·2	23·1	22·3	22·0		c	: o :	cq	:	crr	:	orr	.
23	5·8	48	4·8	+ 1·1	24·2	23·0	22·2	21·9		oq rr	: c :	ogqdd	:	or	:	o	.
24	6·1	50	4·1	+ 0·4	24·2	23·2	22·2	21·8	bc	:	orr :			c			.
25	6·9	57	3·4	− 0·3	24·2	23·1	22·2	22·0		c	: cr_0 :				c		.
26	4·0	33	3·4	− 0·3	24·2	23·1	22·2	22·2			o			: c	:	bc	.
27	7·3	60	2·5	− 1·2	24·2	23·2	22·3	22·3			c		: bc	:	b	: c	.
28	4·1	34	2·4	− 1·3	24·2	23·1	22·4	22·4			o	:	e	.	o	: c	.
29	4·4	36	1·5	− 2·2	24·2	23·1	22·5	22·6			o	:	bc	: c	:	bc	.
30	4·9	40	1·6	− 2·1	24·2	23·2	22·6	22·9			b	: bc	: cgd_0 :		c	: b	.
...	...	...	...	...	...	...	...	...					.....				
Mean	6·82	57·2	3·71	−0·14	24·30	23·12	22·11	21·82					.....				
Average	7·98	66·9	3·85	...	24·59	23·71	22·68	22·86					.....				
Column	19	20	21	22	23	24	25	26					.....				

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF SEPTEMBER 1934.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1018·8mbs	at 10.00hrs. & 22·00hrs.	on 9th & 21st	1009·0mbs	at 16·00hrs.	on 15th
Temperature of the Air	25·8°C	at 14.05hrs.	on 29th	14·3°C	at 03.30hrs	on 30th
Daily range of temperature of the Air ...	11·3°C	...	on 30th	4·4°C	.	on 8th
Temperature of the Dew Point	19·0°C	at 12.00hrs.	on 17th	11·5°C	at 11·00hrs.	on 1st
Daily range of temperature of the Dew Point	5·4°C	...	on 28th	1·7°C	...	on 23rd
Minimum on Grass	...	...	...	12·2°C	...	on 29th & 30th
Relative humidity	98·5%	at 11·00hrs.	on 1st	48·6%	at 05·00hrs	on 16th
Vapour Pressure	21·8mbs.	at 12·00hrs.	on 17th	13·5mbs.	at 11.00hrs.	on 1st
Wind Velocity	8·8m.p.s.	at 11.00hrs.	on 8th	0·6mps	08.00hrs.	on 30th
Rainfall in 24 hours	42·9mms	ending 23·00hrs	on 16th	...	...	...
Evaporation in 24 hours...	7·0mms	...	on 11th	2·7mms	...	5th
Duration of sunshine	10·7hrs	...	on 20th	3·1hr.	...	on 1st & 9th

Mean Day Temperature of Air, 21·70°C. Average 22·91°C. Mean Night Temperature of Air, 18·45°C. Average 18·63°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	2	13	15	...	8	10	2	...	1	...	...

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

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

SEPTEMBER 1934.

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	158	136	140	129	131	135	158	172	180	173	169	164	170	152	129	120	Midnight
1h	153	133	136	123	130	130	152	170	179	170	165	161	165	146	124	120	1h
2	150	130	130	120	127	127	150	166	173	168	161	157	160	140	120	116	2
3	146	130	129	117	123	123	148	162	170	162	160	154	157	138	116	111	3
4	142	128	125	111	120	120	149	161	169	161	159	151	154	133	111	110	4
5	141	126	123	111	120	122	149	161	170	161	157	151	151	131	111	114	5
6	144	130	123	114	121	129	152	170	173	169	160	156	153	137	114	119	6
7	150	138	129	120	127	137	156	172	180	170	162	162	156	136	121	121	7
8	155	138	131	121	133	140	161	177	182	177	168	166	160	140	125	124	8
9	151	139	131	122	137	144	166	180	187	180	170	169	162	140	127	129	9
10	150	140	131	120	139	150	170	181	188	180	169	169	161	139	125	129	10
11	141	132	128	117	135	149	164	180	183	176	161	165	159	134	120	125	11
Noon	133	129	120	110	130	140	159	172	177	169	155	160	150	136	113	117	Noon
13h	127	126	115	102	123	131	153	166	170	161	151	151	142	120	104	106	13h
14	121	120	110	100	119	129	150	160	162	159	149	147	137	117	098	102	14
15	119	116	106	095	111	125	142	157	159	150	141	141	130	110	090	101	15
16	120	115	101	098	111	125	141	152	158	150	141	142	131	110	090	101	16
17	123	120	104	100	117	130	147	156	160	151	146	148	135	112	096	110	17
18	127	121	107	109	122	133	150	160	161	153	150	150	141	119	107	117	18
19	129	128	111	112	130	140	160	168	170	160	152	160	146	123	111	123	19
20	133	134	120	123	138	150	169	177	176	165	160	161	151	130	120	132	20
21	140	139	123	130	141	156	173	180	180	169	165	169	158	131	120	141	21
22	140	141	128	132	141	159	174	181	180	170	167	170	159	131	120	141	22
23	139	141	130	132	140	160	174	180	179	170	165	170	158	131	120	140	23

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.		Mean	Day. / Hour
Midnight	136	150	161	176	175	186	170	158	150	139	150	137	139	141	...	1015·3	Midnight
1h	131	146	160	171	172	178	165	151	143	138	149	132	135	139	...	1014·9	1h
2	129	140	156	166	170	171	159	149	138	135	145	131	131	130	...	1014·5	2
3	127	138	153	164	167	166	154	143	130	131	140	128	129	130	...	1014·2	3
4	126	138	150	161	164	160	151	141	128	129	140	123	128	130	...	1013·9	4
5	126	140	150	161	166	160	151	143	130	130	144	124	130	130	...	1013·9	5
6	130	146	155	164	171	163	154	148	135	131	149	128	134	131	...	1014·3	6
7	134	152	161	171	177	170	161	151	140	138	152	131	140	139	...	1014·8	7
8	140	159	165	172	180	173	163	159	142	141	158	136	141	140	...	1015·2	8
9	142	160	166	176	181	176	166	160	141	143	158	138	142	141	...	1015·4	9
10	140	159	166	177	180	179	168	160	141	141	151	134	139	140	...	1015·4	10
11	138	156	163	171	175	175	165	159	140	141	148	130	131	132	...	1015·0	11
Noon	138	149	157	167	170	169	160	147	136	138	140	124	123	129	...	1014·4	Noon
13h	131	141	150	159	164	159	151	139	128	131	131	120	121	122	...	1013·6	13h
14	130	138	150	154	160	151	142	133	121	130	130	115	119	121	...	1013·2	14
15	121	132	145	151	159	150	140	130	118	129	124	110	118	120	...	1012·8	15
16	124	133	147	151	161	149	141	130	118	128	125	111	120	121	...	1012·8	16
17	129	139	150	156	167	151	142	131	120	130	127	117	124	125	...	1013·2	17
18	132	142	159	160	172	160	149	134	124	136	130	121	130	131	...	1013·7	18
19	141	151	162	169	178	163	151	143	133	141	135	130	138	139	...	1014·3	19
20	151	160	170	174	182	170	159	149	139	147	140	136	141	143	...	1015·0	20
21	158	166	178	179	187	171	161	150	142	149	140	141	147	149	...	1015·4	21
22	158	165	180	179	188	172	161	150	142	150	140	141	146	149	...	1015·5	22
23	151	164	179	179	187	172	160	150	140	150	140	141	143	148	...	1015·4	23

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

Hour \ Day.	SEPTEMBER 1934.																															
	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	3	8	9	10	1	1	1	4	5	4	10	3	3	4	10	5	1	2	9	3	8	10	5	9	9	6	8	9	4	...	5·7
1h	9	6	8	10	9	2	1	1	1	6	5	8	3	3	5	10	3	1	2	9	3	8	10	2	9	9	4	9	9	3	...	5·6
2	9	8	9	10	9	1	1	2	2	6	7	8	4	3	7	10	2	2	2	6	2	7	10	2	8	10	7	10	10	4	...	5·9
3	8	9	10	10	9	2	1	2	4	6	8	7	7	3	8	10	1	2	3	3	1	5	10	1	7	9	8	10	10	3	...	5·9
4	8	10	10	10	8	1	1	3	9	5	9	5	9	3	8	10	2	3	3	3	2	4	10	4	7	10	9	9	9	2	...	6·2
5	9	10	9	10	4	2	2	3	10	8	4	9	6	8	7	10	2	3	4	2	2	8	9	10	8	9	9	9	10	2	...	6·6
6	9	10	3	10	1	1	2	9	8	9	5	10	6	10	10	10	1	4	5	3	2	10	8	10	8	10	9	10	10	2	...	6·8
7	9	9	4	9	4	2	2	8	10	9	5	9	6	8	10	8	1	4	5	3	2	10	7	10	8	10	9	10	10	1	...	6·7
8	9	9	5	9	7	4	4	7	10	7	5	10	6	7	10	5	1	6	7	3	4	10	7	10	8	10	9	10	9	2	...	7·0
9	9	9	6	9	9	6	5	6	10	8	4	10	7	8	10	6	1	7	9	2	6	7	8	9	9	9	9	10	9	3	...	7·3
10	10	9	3	9	8	9	7	9	10	9	2	9	6	9	9	7	5	8	7	2	6	8	9	9	9	9	8	9	3	4	...	7·4
11	9	9	2	7	9	9	6	9	10	8	3	6	5	6	8	8	6	7	7	2	3	9	9	9	9	9	8	6	2	5	...	6·8
Noon	9	8	2	7	9	9	4	9	10	7	7	5	4	5	5	8	7	4	7	3	6	10	10	9	9	10	7	8	1	8	...	6·9
13h	9	9	2	8	9	9	4	7	9	7	7	5	6	5	6	9	6	5	8	4	7	8	10	8	6	10	6	8	6	9	...	7·1
14	9	9	3	9	9	9	8	5	9	7	7	6	8	6	5	10	5	4	8	4	8	8	9	7	6	10	6	9	7	9	...	7·3
15	9	9	4	7	9	7	10	4	9	5	7	6	5	7	5	9	4	3	9	5	7	8	8	9	6	9	3	9	9	10	...	7·0
16	9	7	4	7	9	7	10	6	9	9	7	5	7	6	5	10	4	3	9	4	8	8	10	9	7	9	3	9	6	10	...	7·3
17	8	4	3	10	7	4	7	6	5	10	7	5	7	5	3	10	1	2	9	3	10	8	10	9	8	9	2	9	9	9	...	6·6
18	8	3	2	10	2	4	5	4	2	10	7	4	9	4	2	10	1	1	9	2	10	9	10	9	10	7	1	10	9	9	...	6·1
19	7	3	2	10	2	5	5	3	2	10	7	4	9	4	1	10	1	1	9	4	10	8	10	9	10	7	1	10	8	9	...	6·0
20	6	4	5	7	2	4	4	1	4	7	10	3	10	3	1	10	3	2	9	6	10	8	9	9	9	5	7	10	7	6	...	6·0
21	3	5	7	4	3	4	4	0	5	4	10	3	6	2	1	10	3	2	9	7	10	10	9	7	9	2	7	7	5	2	...	5·3
22	3	7	8	8	2	2	3	3	5	5	10	4	8	3	2	10	3	2	9	6	10	10	8	8	9	5	8	8	4	3	...	5·9
23	3	7	8	10	2	1	3	2	5	5	10	4	7	4	5	8	2	3	8	4	9	10	10	8	9	5	8	8	4	2	...	5·8

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

Hour Ending. \ Day.	SEPTEMBER 1934.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	0·0
7	0	0	33	0	18	30	9	0	0	0	10	3	6	9	0	16	40	27	1	12	20	0	0	0	22	0	0	0	15	35	...	5·1
8	0	54	22	36	1	60	49	12	4	51	60	30	55	60	0	40	60	60	25	60	60	0	25	0	40	2	0	0	0	60	...	15·4
9	0	40	50	10	22	40	48	60	5	58	60	45	60	55	10	54	60	60	26	60	60	35	54	13	18	30	8	34	2	60	...	18·9
10	0	7	60	23	20	0	53	60	4	25	60	55	55	37	7	58	60	53	54	60	60	10	50	54	54	46	34	4	45	60	...	19·2
11	23	34	60	46	18	11	58	25	4	20	60	54	58	58	50	29	30	35	58	60	60	54	15	43	50	28	55	35	60	60	...	20·9
Noon	37	44	60	58	2	15	50	43	16	48	60	60	50	60	60	8	30	60	57	60	60	26	15	15	29	17	60	55	60	9	...	20·4
13h	35	20	60	56	6	18	51	59	6	20	60	60	57	60	50	15	41	60	55	60	47	25	30	60	51	5	51	5	20	4	...	19·1
14	36	7	60	20	7	41	60	60	28	31	55	60	46	60	58	0	20	60	50	60	51	58	55	58	58	0	42	3	45	0	...	19·8
15	14	24	60	0	10	10	41	60	25	38	55	50	50	58	56	10	58	60	44	60	58	60	35	45	57	10	60	42	15	0	...	19·4
16	37	47	60	60	47	53	45	60	16	35	53	42	54	50	58	43	60	60	31	60	25	50	40	45	23	37	60	30	0	0	...	21·3
17	2	60	56	57	37	25	60	60	40	25	48	30	56	48	55	13	56	60	34	60	24	45	22	15	10	37	60	40	0	7	...	18·9
18	0	4	30	4	12	0	14	15	35	0	0	0	4	28	30	0	31	40	20	30	0	8	6	19	0	25	7	0	0	0	...	6·0
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 204.7 hrs. and the total possible sunshine was 358·0 hrs.

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

(To obtain temperatures on the Absolute Scale add 273)

SEPTEMBER 1934.

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

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

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

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

SEPTEMBER 1934.

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

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during SEPTEMBER 1934.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

SEPTEMBER 1934.

Hour.	1d. Dir.	1d. Vel.	2d. Dir.	2d. Vel.	3d. Dir.	3d. Vel.	4d. Dir.	4d. Vel.	5d. Dir.	5d. Vel.	6d. Dir.	6d. Vel.	7d. Dir.	7d. Vel.	8d. Dir.	8d. Vel.	9d. Dir.	9d. Vel.	10d. Dir.	10d. Vel.	11d. Dir.	11d. Vel.	12d. Dir.	12d. Vel.	13d. Dir.	13d. Vel.	14d. Dir.	14d. Vel.	15d. Dir.	15d. Vel.	16d.* Dir.	16d.* Vel.
Midnight	09	1·2	08	2·2	10	1·5	10	1·4	11	1·8	11	0·6	10	2·1	11	3·6	11	4·7	09	3·3	11	3·8	12	4·5	11	2·5	11	2·3	10	3·9	11	1·4
1h	08	1·1	08	1·6	10	2·2	11	1·9	11	2·2	11	0·7	10	2·1	11	3·8	11	4·2	10	3·1	11	4·3	11	4·2	11	2·3	11	1·8	11	2·6	08	1·9
2	08	1·2	11	2·2	10	2·0	04	1·7	11	2·0	11	1·1	12	1·0	11	4·2	10	4·2	10	2·5	12	4·0	11	4·8	12	3·4	11	1·3	10	3·7	09	1·6
3	08	1·1	08	2·2	10	2·1	11	1·4	11	1·7	11	1·8	12	2·5	11	4·6	10	4·6	10	1·9	09	4·2	11	4·4	11	2·7	11	2·8	10	4·0	09	0·9
4	08	0·6	08	1·7	09	2·4	11	1·8	11	1·7	11	1·9	11	4·4	11	4·1	09	3·8	09	3·6	12	3·7	12	5·0	12	3·2	11	1·5	10	3·6	11	1·1
5	08	1·7	10	1·8	11	2·6	04	1·2	11	1·8	11	2·6	11	3·1	12	4·3	10	3·1	09	3·0	11	4·7	11	4·7	12	2·3	11	1·1	12	3·4	12	0·8
6	08	1·3	10	2·0	12	2·5	11	2·0	11	1·3	11	2·6	11	3·1	12	4·8	11	3·1	08	2·0	11	2·0	10	4·4	08	2·2	11	1·9	11	3·1	12	1·2
7	10	1·4	06	2·9	11	2·8	11	2·0	08	1·3	11	4·0	11	2·1	11	4·4	07	3·3	12	2·7	11	3·4	10	5·1	11	2·6	13	1·9	12	2·7	12	1·2
8	10	1·1	07	1·3	11	3·4	11	1·3	08	0·8	11	3·3	10	4·4	10	5·3	09	4·5	10	4·4	11	5·9	12	5·3	11	4·4	10	2·9	11	2·6	12	1·8
9	06	1·5	07	3·8	06	4·5	08	2·1	11	2·3	12	4·4	11	6·2	10	8·1	07	4·5	11	6·0	10	7·5	10	6·0	10	6·1	10	4·1	10	4·3	08	1·5
10	07	3·0	06	3·5	06	4·6	07	2·2	09	3·6	12	3·7	11	6·8	10	7·7	07	5·4	10	5·6	09	7·7	10	7·6	10	6·4	10	5·0	09	4·2	08	1·8
11	07	2·8	06	4·9	08	5·3	08	2·0	08	3·2	11	4·4	12	6·8	11	8·8	10	7·0	10	6·0	10	7·7	10	8·1	10	6·9	12	6·4	08	4·8	11	1·6
Noon	06	3·4	07	6·3	07	5·2	06	2·7	06	4·0	09	5·2	10	9·6	09	7·9	07	6·4	09	6·2	11	8·6	10	7·8	10	6·8	10	5·0	07	4·6	d23	2·9
13h	05	4·0	05	5·9	06	5·8	07	2·8	06	2·4	11	5·5	11	4·4	09	8·7	09	6·5	09	6·9	10	7·6	10	7·9	09	6·1	10	5·3	11	5·2	26	2·4
14	07	4·3	07	5·6	09	4·9	07	3·8	09	1·9	11	5·4	10	8·0	09	7·1	09	6·7	12	6·3	11	7·6	10	7·2	09	6·1	11	5·9	10	5·7	31	1·6
15	06	4·1	07	4·8	07	4·7	11	3·2	11	1·8	10	4·9	12	7·0	09	7·8	09	7·0	12	7·2	10	7·3	10	7·2	09	6·0	10	5·1	10	5·7	28	1·1
16	07	3·8	06	5·3	07	4·2	10	3·6	07	2·8	10	5·5	12	6·6	09	7·7	09	6·4	09	7·0	09	7·4	10	6·4	08	5·7	10	5·1	11	5·4	24	1·8
17	05	3·8	06	4·9	09	4·3	11	3·3	10	3·0	09	3·5	12	6·9	11	7·2	09	5·9	10	5·5	10	6·2	11	5·8	09	5·0	11	5·2	12	3·4	r15	2·4
18	13	3·4	08	3·1	10	3·3	11	3·3	11	2·1	11	3·2	12	5·5	11	6·1	09	4·0	11	5·2	12	5·4	10	4·6	10	3·5	11	3·6	10	3·3	14	0·9
19	13	2·1	08	2·6	10	3·0	11	2·3	11	1·7	12	3·6	11	4·7	11	5·5	10	3·5	12	5·1	11	5·0	11	3·8	11	2·0	12	3·7	11	3·3	d22	1·5
20	10	2·8	08	2·9	10	3·3	10	3·1	11	2·0	12	3·4	11	4·7	10	5·6	10	3·5	11	2·5	10	4·9	10	3·6	11	2·0	11	3·7	10	3·0	16	2·2
21	10	2·7	08	2·3	10	2·9	09	3·4	11	1·8	11	3·5	11	3·9	10	4·5	10	4·2	11	4·7	09	4·9	12	3·5	11	2·0	11	4·0	12	3·2	20	2·1
22	10	2·1	08	2·9	10	2·1	11	2·2	11	1·3	11	3·0	10	4·8	12	4·9	10	3·7	10	4·7	11	4·2	10	3·7	11	2·1	10	3·1	12	2·6	19	1·2
23	10	2·1	08	2·2	10	1·1	11	2·6	11	0·9	11	3·2	11	3·5	10	4·4	10	3·5	10	3·8	12	4·5	12	4·1	11	2·0	09	3·9	11	2·7	19	1·2

Hour.	17d.* Dir.	17d.* Vel.	18d. Dir.	18d. Vel.	19d. Dir.	19d. Vel.	20d. Dir.	20d. Vel.	21d Dir.	21d Vel.	22d. Dir.	22d. Vel.	23d. Dir.	23d. Vel.	24d. Dir.	24d. Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. Dir.	27d. Vel.	28d. Dir.	28d. Vel.	29d.* Dir.	29d.* Vel.	30d.* Dir.	30d.* Vel.	Dir.	Vel.	Mean Velocity
Midnight	19	1·6	15	0·7	11	2·2	10	4·1	11	4·5	11	4·6	08	4·4	10	3·3	09	1·6	09	2·6	11	2·0	08	2·6	13	1·1	12	1·8	...	...	2·6
1h	17	2·0	15	0·7	11	2·4	10	3·8	11	4·9	10	5·7	09	4·4	08	3·9	11	2·9	09	2·6	11	2·0	09	1·9	13	1·1	12	1·6	...	...	2·7
2	17	1·9	15	1·2	11	2·2	10	4·0	10	4·3	11	4·0	10	3·8	09	3·7	10	2·2	09	2·7	11	1·7	08	1·2	13	1·1	12	1·7	...	...	2·6
3	13	2·1	15	1·2	11	2·2	10	3·2	11	2·6	11	3·5	09	4·5	09	4·0	10	2·4	09	2·1	11	1·8	08	1·3	13	1·1	12	1·7	...	...	2·6
4	13	1·6	15	1·2	11	2·3	11	2·8	11	3·1	12	4·1	08	4·0	09	3·1	10	1·7	09	1·8	11	1·4	08	0·9	13	1·1	12	2·3	...	...	2·5
5	13	1·2	15	0·7	11	2·9	10	3·0	10	3·8	12	4·3	07	3·6	07	2·4	10	2·4	09	2·5	10	1·9	12	1·4	13	1·1	12	2·2	...	...	2·5
6	13	2·1	15	1·7	11	3·1	10	4·3	11	3·7	11	3·7	10	4·2	08	2·9	10	2·3	09	2·6	12	1·8	12	1·1	13	1·2	12	1·9	...	...	2·5
7	13	1·2	13	2·5	12	4·4	11	4·7	11	4·4	11	4·8	11	5·4	08	4·0	10	2·1	07	2·8	12	0·7	12	1·6	13	0·7	12	1·3	...	...	2·8
8	13	0·8	12	3·8	11	5·1	11	6·7	09	5·8	11	4·4	11	4·1	08	4·5	09	3·2	09	3·4	11	2·2	05	2·2	14	1·8	12	0·6	...	...	3·4
9	13	0·7	11	4·6	10	6·6	12	7·5	09	6·8	11	6·7	10	6·7	06	4·3	09	4·1	08	4·4	11	2·9	06	3·3	16	2·3	12	0·9	...	...	4·5
10	11	1·2	10	5·2	11	7·2	09	8·7	09	7·5	10	5·7	09	7·8	08	6·6	09	4·7	08	4·7	11	4·0	08	3·1	15	2·1	07	0·8	...	...	4·9
11	r25	2·0	12	5·3	11	7·5	09	8·4	09	7·4	12	6·7	10	6·7	09	6·6	10	5·7	07	5·1	07	4·4	07	3·9	18	1·9	01	1·8	...	...	5·3
Noon	29	2·8	11	5·4	11	7·2	12	8·2	10	7·9	12	6·8	06	5·6	08	6·3	06	4·9	09	4·6	07	4·4	08	3·7	22	2·8	24	2·9	...	...	5·5
13h	27	2·7	13	5·0	11	8·0	11	8·7	10	7·3	09	7·2	09	6·2	09	6·7	08	5·1	09	5·0	08	3·6	08	3·7	28	2·5	22	1·8	...	...	5·4
14	26	2·5	12	5·4	12	6·7	10	8·7	09	7·2	10	7·4	09	6·6	08	6·6	09	4·4	10	5·5	07	4·1	08	3·4	01	1·8	23	1·1	...	...	5·3
15	28	2·9	11	5·7	10	7·1	11	8·2	09	7·5	10	6·6	09	6·2	07	5·5	08	5·0	09	5·3	08	3·8	07	3·2	04	1·8	23	0·9	...	...	5·2
16	23	2·9	11	5·7	11	7·2	10	8·3	09	6·9	12	7·1	09	5·3	07	4·6	06	4·4	10	5·5	07	3·7	07	2·6	06	0·9	23	1·0	...	...	5·0
17	28	1·5	11	5·7	11	6·1	10	7·5	09	6·2	11	5·6	10	4·6	08	5·1	08	4·1	10	5·0	08	3·5	09	2·8	12	1·4	23	1·3	...	...	4·6
18	r15	2·9	12	3·5	12	5·9	09	6·0	12	6·1	10	5·3	11	3·9	11	2·7	07	3·9	11	3·9	09	2·6	10	3·0	12	0·9	r11	2·2	...	...	3·8
19	15	1·4	10	2·6	11	5·0	10	5·6	09	5·6	12	4·2	10	3·6	11	2·1	08	3·3	11	2·5	09	1·1	10	2·3	12	1·3	11	2·0	...	...	3·2
20	15	1·6	10	2·2	10	5·4	10	5·2	10	5·2	11	3·9	10	3·8	10	2·9	09	2·3	11	1·9	09	1·0	11	3·0	12	1·1	11	2·6	...	...	3·2
21	15	1·0	12	3·1	11	4·8	10	5·4	09	5·7	11	4·2	10	3·8	10	2·3	09	2·8	11	2·1	09	1·2	11	2·2	12	1·6	11	2·0	...	...	3·2
22	15	0·7	12	2·9	11	4·3	09	4·8	10	5·0	08	4·4	09	4·2	10	2·9	09	3·1	11	1·6	09	1·0	11	1·6	12	1·5	11	1·8	...	...	2·9
23	15	0·6	11	2·8	11	4·7	10	4·6	09	5·0	10	4·1	09	3·5	09	2·9	09	3·1	11	1·9	09	1·7	13	1·7	12	2·2	11	0·7	...	...	2·8

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), SEPTEMBER, 1934.

Hour	Force (0–12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	...	30	...	...	...	...	8	6	15	...	1	...	..	...	...	...	...	...
9	...	11	19	...	...	...	4	7	8	10	...	1	...	...	...	...	...	...	...
15	...	15	15	...	...	1	1	12	7	6	..	...	...	...	...	1	...	2	...
21	...	1	29	...	...	...	...	6	7	15	...	1	...	1	...	...	...	...	...
Totals	...			...	...	1	5	33	28	46	...	3	...	1	...	1	...	2	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for SEPTEMBER 1934.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of SEPTEMBER 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	1·89	48·1	30·2	10
*	St. Antoine	50	1·69	42·9	29·7	9
*	Belmont	50	1·93	49·0	27·2	11
*	Poudre d'Or	20	2·06	52·3	31·5	11
	Mon Loisir S. E.	300	...	...	51·8	...
	Forbach	300	...	...	33·8	...
*	Couroupa	...	2·28	57·9	36·1	13
*	Labourdonnais	290	...	...	41·7	...
	Beau Séjour	300	2·60	66·0	55·9	19
	Mont Piton	650	2·74	69·6	57·7	16
	Mon Choix	700	2·20	55·9	46·7	14
	Antoinette	640	2·61	66·3	57·4	12
	Mon Songe	620	3·35	85·1	63·2	14
	Botanical Gardens ...	325	4·31	109·5	45·2	23
*	The Observatory	179	3·36	85·4	35·6	21
	Solitude	175	2·48	63·0	21·8	12
	St. André	90	3·08	78·2	29·0	9
	La Nicolière	...	3·84	97·5	...	18
	California	...	3·80	96·5	...	10
	Australia	...	3·00	76·2	...	13
2 & 3	Union Régnard S.E. (Flacq)	600	3·92	99·6	66·8	15
	Constance d'Arifat L.G. ...	100	1·23	31·2	38·6	15
	Rich Fund	600	2·80	71·1	59·8	21
	La Joffrette	...	2·34	59·4	...	7
	Belle Vue (Allendy) ...	...	2·35	59·7	68·3	20
4 *	Sans Souci	900	...	...	155·7	...
	Beau Champ (G.R.S.E.) ..	20	1·83	47·7	43·2	18
	Olivia	400	2·17	55·1	80·0	17
	Trois Ilots	...	1·41	35·8	...	13
	Belle Rive	400	3·60	91·4	...	19
	Sébastopol	700	3·24	82·3	...	21
	Bonne Veine	400	5·59	142·0	150·4	23
5	Rose Belle	850	4·28	108·7	...	24
	New Grove	650	3·81	96·8	...	19
	Mon Trésor	...	1·87	47·5	...	18
	Mon Désert (Carié) ...	75	1·24	31·5	36·3	13
	Ferney	20	1·50	38·1	67·3	19
	Sauve Terre	...	0·75	19·0	...	5
6	Tivoli	1,300	4·72	120·6	146·8	28
	La Flora	1,050	4·96	126·0	136·6	27
6	Riche Bois (Brit.) ...	650	2·34	59·4	...	22
	Britannia (Estate) ...	700	2·92	74·2	102·4	24
	Savannah (Mill) ...	200	0·89	22·6	54·6	6
	St. Aubin	300	1·35	34·3	70·6	10
	St. Avold	900	3·34	84·8	117·1	28
	Colmar	400	3·48	88·4	68·8	20
	Union S. E.	...	1·56	39·6	56·6	11
	Fontenelle	320	2·14	54·4	62·0	9
	Choisy	200	2·78	70·6	...	14
	Beau Bois	...	2·92	74·2	...	12
	Bel Air	...	1·75	44·4	..	6
	St. Félix	...	1·80	45·7	...	7
7,8,9&10	Bel Ombre	40	2·30	58·4	49·0	13
	Beau Champ (B. du Cap)	70	1·85	47·0	...	9
	Frédérica	...	2·61	66·3	...	12
	Pierre Fond	...	1·87	47·5	...	21
	Ste. Marie	...	2·82	71·6	...	11
	Hussonia Limited .	..	...	...	...	...
11	Curepipe Gardens ...	1,340	7·94	201·7	142·2	23
	Mare aux Vacoas (G.E.)	1,850	8·65	219·7	181·1	26
	Mare aux Vacoas (Arn.)	1,830	8·05	204·5	181·4	26
	La Marie Filter Bed ..	1,700	8·09	205·5	104·1	25
*	Sophie	...	7·35	186·8	...	25
	Réunion	1,420	5·93	150·6	91·4	25
*	Aerological Station ...	1,393	4·99	126·6	77·5	26
12	Quatre Bornes (Board) ...	1,090	2·41	61·2	...	7
*	Le Réduit (D. of A.) ...	1,000	2·23	56·6	38·6	24
	Alma	1,460	4·70	119·4	120·1	20
	Bagatelle	1,250	4·76	120·9	68·3	17
	Highlands	1,300	4·07	103·4	78·5	20
	Trianon	950	...	...	43·2	...
	Val Ory	1,100	1·83	46·5	44·2	10
	Bassin	...	2·24	56·9	...	18
	Hermitage	1,450	5·35	135·9	...	17
	Ebene	...	2·57	65·3	...	18
	Bega	...	1·87	47·5	...	16
	Mon Rêve	...	3·10	78·7	...	18
	Mont Pevril	...	2·86	72·6	...	17
	Minissy	1,150	2·96	75·2	51·6	18
	Plaisance	...	1·17	29·7	...	8
	La Ferme	350	0·72	18·3	...	13

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 1934.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	69	11·9*	67	6·5*	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	12¾	90	6·9*	157	3·6*	87	7·0*	...	...	...	...	...	...
7	9½	116	27·0*	119	16·6*	...	...	...	...	...	...	...	...	14¼	118	35·5	118	8·9	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	104	15·9*	...	...	116	7·1*	...	...	...	...	...	...
11	9¼	103	34·6	118	17·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	9¼	118	16·5	...	...	...	...	...	...	...	...	283	4·1	...	...	...	...	...	...	...	...	...	...	...	...	...
14	10¾	103	9·8	...	...	...	...	...	...	...	...	...	...	13½	104	8·4*	111	9·4*	...	...	...	...	...	...	...	...
15	10¼	...	...	...	...	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	9¾	83	8·1	88	7·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	9¾	...	...	148	6·3	...	...	...	...	...	...	...	...	14¾	133	...	...	...	133	...	...	...	...	...	...	...
18	11¼	149	4·4	146	7·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	9¾	87	16·7*	89	10·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	28	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	11¼	88	13·8*	89	15·8*	...	...	...	...	...	...	...	...	13¾	...	...	74	17·0*	81	8·2*	...	...	...	...	...	...
25	11	96	16·6*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

OCTOBER, 1934

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

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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1935

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF OCTOBER 1934.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)
OCT.	′			′		
1	12°51·7	...	·29668	6·2	...	16
2	51·8	...	669	5·1	...	13
3	51·8	...	669	4·0	...	08
4	51·6	...	665	7·5	...	24
5	51·5	...	663	8·5	...	31
6	50·8	...	658	9·5	...	40
7	51·9	...	661	6·0	...	26
8	51·7	...	662	4·5	...	20
9	51·4	...	662	5·0	...	17
10	51·5	..	662	8·9	...	27
11	51·2	...	661	10·7	...	34
12	51·4	...	660	6·5	...	19
13	51·3	...	661	5·7	...	23
14	51·9	...	663	6·2	...	11
15	51·6	·22536	664	7·7	59	18
16	50·8	533	665	7·5	50	21
17	51·5	541	663	6·2	49	19
18	51·9	541	664	4·8	22	18
19	51·9	541	661	5·3	32	22
20	52·4	540	662	6·2	39	17
21	50·8	540	664	5·0	36	14
22	52·6	532	661	5·3	27	22
23	51·9	543	662	5·7	36	14
24	51·1	528	666	10·0	110	22
25	51·9	520	668	6·0	47	18
26	52·1	525	667	7·0	50	19
27	52·1	527	667	5·3	29	14
28	51·7	531	665	7·0	35	15
29	52·6	540	664	4·0	30	14
30	51·8	545	662	5·5	29	14
31	51·8	551	662	7·2	37	17
Mean	12°51·68	·22536	·29664	6·45	42·2	19·6

T=·37253 : Mean Dip=52° 46′·58 : (X=·21970 : Y=−·05016 : Z=·29664).
† The daily range is the difference between the greatest and least hourly values.

Description of the Principal Magnetic Disturbances.

Declination.—21d. 0h.30m. sudden sharp negative wave (2′.0). 24d. 12h. to 15h. small pulsations. 25d. 12h to 22h. small waves (2′,5) amplitude.

Horizontal Force.—Register lost from Oct. 1st to Oct 13th. 15d. disturbed at end; small irregular oscillations superposed on large negative wave. 16d.0h to 4h, end of disturbed period. 17d. 23h.30m. small positive wave (11γ). 21d. 0h.30m. to 2h.00—Sharp positive wave (29γ) on an only very slightly disturbed trace. 24d. disturbed—positive wave from 11h. to 13h. followed by large negative wave on which small oscillations are superposed. 25d. disturbed at end. Sharp—ve wave (31γ) at 21h.15m. superposed on a general decrease. 26d. disturbed at end. Irregular fluctuations.

Vertical Force.—7d. small irregular pulsations throughout. 15d. disturbed at end; minor pulsations superposed on general increase. 21d. only very slightly disturbed 24d. Small pulsations throughout. 25d. Sharp waves between 20h.40m. and 22h.00—amplitude 10γ. 26d. Slightly disturbed at end—positive wave between 17h. and 18h.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of OCTOBER 1934.

Declination (West)		Horizontal Force		Dip (South)		
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
OCT. 5·14·42	12 46·70	OCT. 2·13·35	·22563	OCT. 5·14·55	52 43·25	...
9·14·35	12 47·55	4·13·03	·22561	9·14·52	52 43·50	...
26·14·05	12 45·44	10·12·42	·22905	26·14·19	52 46·50	·29657
30·14·29	12 48·48	13·12·13	·22543	30·14·40	52 45·62	·29667
		16·14·20	·22539			
		24·12·00	·22574			

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

OCTOBER 1934

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

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	52·0	52·8	52·5	52·3	50·5	53·0	52·5	51·7	52·5	52·7	52·0	52·0	52·5	52·5	52·5	52·2	Midnight
1h	52·0	53·0	52·5	52·5	48·5	53·0	52·7	52·0	52·7	53·0	52·5	52·5	52·5	52·5	52·7	52·2	1h
2	52·5	53·2	52·5	52·5	50·7	53·5	52·7	52·3	52·5	52·0	52·7	52·0	52·5	52·7	52·7	52·3	2
3	52·5	53·3	52·3	52·5	51·0	53·7	53·0	52·5	52·7	52·5	53·0	52·5	52·7	52·7	53·0	52·4	3
4	52·5	53·0	52·3	52·7	50·7	54·0	53·5	53·0	52·7	53·0	53·0	53·0	52·9	52·7	53·0	52·5	4
5	53·0	53·3	52·3	53·0	51·0	53·5	53·5	54·0	53·0	53·5	52·7	53·5	53·0	52·5	53·0	52·6	5
6	52·0	52·0	52·5	53·3	51·0	54·0	53·7	53·5	52·7	53·5	52·7	54·5	52·5	53·0	53·3	52·4	6
7	52·5	51·5	52·7	54·0	51·0	54·5	53·5	54·0	53·0	54·0	53·3	54·0	53·0	54·0	54·0	52·7	7
8	53·3	52·7	53·0	54·7	50·8	53·7	54·0	53·5	53·5	54·5	53·5	54·0	54·0	54·0	54·5	53·4	8
9	53·5	53·0	53·0	55·5	51·0	54·5	53·5	51·0	53·3	55·0	53·5	52·7	54·5	53·5	54·0	53·6	9
10	52·5	53·5	53·5	55·0	51·3	54·8	53·0	50·0	53·0	53·5	53·5	51·5	54·5	52·5	53·0	53·6	10
11	52·0	53·0	54·0	54·5	51·0	54·5	52·0	51·0	52·7	52·0	54·0	50·0	54·0	51·5	50·5	53·0	11
Noon	51·0	52·0	53·0	53·5	53·0	53·5	50·5	47·5	50·5	51·0	53·0	49·0	52·5	50·0	49·5	51·7	Noon
13h	49·0	50·0	51·0	52·0	50·5	51·0	49·5	45·0	49·5	49·5	50·5	47·5	52·0	49·3	47·3	49·4	13h
14	47·5	49·0	49·5	50·0	48·5	49·5	48·3	44·0	47·5	48·0	49·5	48·0	50·5	48·5	47·5	48·0	14
15	47·3	48·7	48·7	49·3	48·0	49·5	49·3	47·0	48·5	48·7	48·7	49·0	50·5	49·0	48·5	48·3	15
16	49·0	50·0	49·5	50·5	49·5	50·5	50·5	49·0	50·0	49·0	49·5	50·0	51·5	50·0	50·0	49·4	16
17	50·5	51·0	50·5	51·5	50·5	51·5	52·0	50·5	50·7	50·5	50·7	51·3	52·3	51·0	51·0	50·6	17
18	51·0	51·3	51·0	52·0	51·3	52·0	51·7	51·5	51·0	52·5	51·0	51·5	52·0	51·5	51·5	51·3	18
19	51·5	51·5	51·5	51·5	51·5	52·0	51·5	53·0	52·3	52·0	51·5	52·5	52·3	51·7	51·5	51·6	19
20	51·7	51·7	51·5	51·5	51·5	52·0	51·5	52·5	53·0	52·3	52·0	52·3	52·5	52·0	52·0	51·7	20
21	51·5	52·0	51·5	51·5	51·7	51·7	51·5	52·7	53·0	52·5	52·3	52·5	52·5	52·3	52·5	51·8	21
22	52·0	52·3	52·0	51·7	52·0	51·5	51·5	53·0	53·0	52·5	52·5	52·5	52·5	52·3	52·7	51·9	22
23	52·3	52·5	52·0	52·0	52·5	52·3	51·5	52·5	52·7	52·5	52·0	52·5	52·5	52·3	52·5	51·9	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)

OCTOBER 1934.

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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	537	500	Midnight
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	529	520	1h
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	540	530	2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	542	528	3
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	545	532	4
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	547	537	5
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	547	537	6
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	544	539	7
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	545	537	8
9	...	...	...	...	...	...	...	...	...	...	...	...	...		548	542	9
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	550	547	10
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	553	550	11
Noon	...	...	...	...		...	...	...	...	...	...	...	...	564	550	547	Noon
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	558	554	542	13h
14	...	...	...	...	...	...	...	...	...	...	...	...	...	550	552	540	14
15	...	...	...	...	...	...	...	...	...	...	...	...	...	540	547	535	15
16	...	...	...	...	...	...	...	...	...	...	...	...	...	539	550	534	16
17	...	...	...	...	...	...	...	...	...	...	...	...	...	535	545	527	17
18	...	...	...	...	...	...	...	...	...	...	...	...	...	535	540	527	18
19	...	...	...	...	...	...	...	...	...	...	...	...	...	535	520	523	19
20	...	...	...	...	...	...	...	...	...	...	...	...	...	535	505	522	20
21	...	...	...	...	...	...	...	...	...	...	...	...	...	534	495	524	21
22	...	...	...	...	...	...	...	...	...	...	...	...	...	534	497	525	22
23	...	...	...	...	...	...	...	...	...	...	...	...	...	537	495	524	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	521	545	541	540	527	539	545	548	515	505	530	524	528	540	547	529·9	Midnight
1h	523	545	543	540	553	540	533	550	515	520	525	530	530	540	543	534·3	1h
2	225	537	545	540	535	539	536	555	517	530	527	533	532	541	548	535·9	2
3	525	535	545	540	536	538	538	552	521	530	530	538	533	542	549	536·6	3
4	527	540	545	541	537	539	540	547	523	529	531	531	532	540	545	536·7	4
5	534	538	543	542	537	535	536	545	522	524	530	530	532	545	542	536·4	5
6	535	540	540	543	536	534	537	547	527	523	529	531	532	542	543	536·6	6
7	536	540	536	544	536	538	533	544	525	532	529	531	535	545	545	537·2	7
8	538	539	533	545	537	540	535	542	522	538	530	527	537	550	545	537·7	8
9	542	542	535	547	540	542	542	545	521	540	535	532	547	557	558	542·1	9
10	549	548	543	552	545	540	550	545	527	542	533	537	552	559	570	546·4	10
11	560	551	550	563	553	535	551	550	531	540	531	532	550	554	575	548·8	11
Noon	570	554	555	569	563	530	558	573	530	544	535	540	545	557	573	552·5	Noon
13h	560	548	562	569	560	530	560	550	528	550	535	545	558	559	575	552·1	13h
14	553	547	558	566	555	534	561	515	525	535	535	545	556	555	565	546·9	14
15	546	542	545	562	548	535	555	510	532	522	537	542	550	550	555	541·9	15
16	543	540	540	553	537	530	549	520	537	510	531	537	540	548	550	538·2	16
17	540	538	535	542	531	525	542	515	533	500	520	531	532	543	546	532·1	17
18	538	533	535	534	530	525	538	480	525	512	508	525	536	535	544	527·4	18
19	539	532	533	531	531	523	540	463	518	503	520	510	538	530	542	523·3	19
20	539	533	532	534	531	524	539	475	500	510	515	515	539	530	541	522·6	20
21	540	535	530	535	532	521	540	490	490	527	522	523	538	535	538	524·4	21
22	539	535	532	530	531	519	541	512	495	515	518	525	535	538	545	525·4	22
23	539	542	535	537	535	515	546	520	495	518	523	528	536	540	547	527·9	23

* Register lost from October 1st to October 13th at 11hrs.

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, 1934

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d	13d.	14d.	15d.	16d.	Day. \ Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	671	669	667	668	668	663	660	663	663	664	663	662	665	665	665	671	Midnight
1h	671	669	667	668	668	663	660	662	663	663	663	661	665	665	665	671	1h
2	671	670	668	669	668	663	660	661	662	663	662	661	665	665	665	669	2
3	670	670	669	669	667	663	660	662	662	663	662	661	664	665	665	667	3
4	670	670	669	669	668	664	660	663	663	663	662	661	664	664	665	668	4
5	670	670	669	669	669	664	662	664	664	664	662	661	665	664	665	668	5
6	669	670	669	669	668	664	663	663	664	663	662	661	663	664	666	667	6
7	669	670	670	670	671	666	667	664	665	666	665	663	664	665	666	669	7
8	671	672	670	671	672	667	670	666	666	673	670	667	667	667	666	671	8
9	671	672	671	672	672	669	670	667	667	674	677	670	667	666	666	671	9
10	672	675	671	670	672	670	670	667	669	672	677	667	669	667	665	666	10
11	671	673	669	662	667	664	665	665	666	669	669	662	666	663	662	661	11
Noon	667	667	665	655	656	648	660	663	660	655	656	655	657	658	660	659	Noon
13h	660	663	665	651	648	632	653	655	657	647	646	652	651	656	655	654	13h
14	656	662	666	648	641	630	645	647	652	647	643	651	646	656	652	650	14
15	660	664	672	652	645	637	644	649	653	650	648	653	650	659	653	652	15
16	665	667	673	660	652	645	650	658	656	655	655	655	653	661	658	659	16
17	668	669	671	663	656	652	656	661	661	658	660	657	656	663	661	663	17
18	669	670	670	665	661	657	660	662	662	661	660	658	660	664	662	666	18
19	668	670	670	667	663	660	661	663	663	662	660	660	661	664	664	666	19
20	668	669	669	670	664	661	662	663	664	663	661	661	662	664	666	666	20
21	668	669	669	670	664	661	666	664	664	666	662	662	664	664	670	666	21
22	669	669	669	669	665	661	666	664	665	664	662	663	665	664	670	667	22
23	669	669	669	668	664	661	665	664	665	664	662	665	665	665	670	667	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. \ Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	667	663	664	662	663	663	665	662	670	672	669	668	668	666	664	665·6	Midnight
1h	667	663	664	662	662	662	664	661	670	671	669	667	668	666	665	665·3	1h
2	667	665	664	662	664	662	663	661	669	669	669	667	668	667	665	665·3	2
3	667	666	664	663	665	663	663	662	668	668	668	666	668	667	665	665·2	3
4	667	667	665	663	665	664	664	663	668	668	668	666	668	666	665	665·5	4
5	667	667	666	665	666	665	665	665	669	669	667	667	667	666	666	666·0	5
6	666	666	666	665	667	667	666	664	670	669	668	667	665	666	665	665·9	6
7	669	667	667	667	667	669	666	665	671	668	669	669	666	665	667	667·2	7
8	671	669	669	668	668	670	666	666	671	668	671	670	669	663	666	668·7	8
9	670	670	668	668	669	670	665	666	672	671	671	669	670	662	660	669·1	9
10	666	671	668	667	669	670	663	666	673	670	670	667	669	661	655	668·5	10
11	661	667	660	664	665	662	660	667	671	667	670	665	666	659	650	664·8	11
Noon	654	661	653	660	661	656	659	660	666	660	668	662	663	657	652	659·1	Noon
13h	653	657	647	656	657	650	654	654	661	654	664	659	656	653	654	654·0	13h
14	652	653	648	651	655	649	652	660	659	653	657	655	656	655	657	651·7	14
15	653	657	648	653	657	648	654	664	659	661	659	659	659	659	661	654·6	15
16	657	660	651	656	661	653	659	665	661	666	661	661	662	661	664	658·7	16
17	661	663	655	660	664	655	661	667	663	671	665	664	663	661	665	661·7	17
18	662	664	658	662	665	658	661	672	664	670	666	666	662	662	665	663·4	18
19	664	664	661	663	665	661	661	676	666	670	668	667	662	662	664	664·4	19
20	663	664	661	663	665	663	662	675	670	671	668	667	662	663	664	665·0	20
21	663	664	663	663	665	664	663	676	677	670	669	666	663	663	664	665·9	21
22	663	664	664	663	665	664	663	673	673	670	669	666	663	663	663	665·7	22
23	664	664	664	663	666	665	663	671	673	671	669	667	665	664	663	665·9	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of OCTOBER 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
Oct.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	970·9	18·3	1·4	15·7	85	17·7	125	7·6	9	15·9	16·7	20·4	16·8	21·4	15·1	6·3	2·8	9·2	75
2	971·3	18·0	0·6	16·9	93	19·0	100	4·9	10	15·3	17·5	19·2	17·0	21·8	13·7	8·1	15·8	0·7	6
3	972·0	20·0	2·7	15·2	74	17·1	110	4·5	8	15·0	18·7	20·5	17·4	22·4	14·3	8·1	6·9	8·4	68
4	972·2	19·5	1·1	17·5	88	19·8	110	3·1	9	16·7	17·5	21·1	18·0	22·1	15·3	6·8	7·4	5·4	44
5	972·9	20·9	3·0	15·5	71	17·4	90	4·0	6	17·7	19·5	20·6	21·0	22·3	16·3	6·0	3·6	10·3	84
6	972·5	20·5	3·3	16·4	77	18·5	105	4·9	9	15·9	19·5	20·6	21·3	21·9	14·9	7·0	0·5	6·2	50
7	973·5	19·9	3·6	13·4	66	15·2	105	5·4	9	15·1	18·8	20·2	17·1	22·4	13·6	8·8	0·0	7·3	59
8	973·6	19·9	3·0	14·5	71	16·4	90	6·7	7	16·5	19·5	21·1	18·0	22·9	15·8	7·1	0·4	9·0	73
9	972·6	20·5	3·6	14·1	66	15·9	100	5·8	10	16·2	20·3	21·1	17·2	22·4	14·3	8·1	0·0	8·7	70
10	971·6	20·5	2·9	15·3	72	17·2	110	0·9	9	15·1	19·6	21·3	17·2	23·4	14·4	9·0	0·0	6·8	55
11	970·1	22·4	5·0	13·6	57	15·4	Calm		3	15·8	20·6	20·6	16·6	23·1	14·3	8·8	0·0	4·1	33
12	969·6	21·5	3·2	15·8	70	17·8	75	0·9	6	14·5	21·0	21·9	16·8	24·4	13·3	11·1	0·0	8·7	70
13	970·1	23·5	4·8	15·2	59	17·1	80	3·1	7	16·0	20·6	21·1	17·5	23·9	15·0	8·9	0·0	5·7	46
14	969·3	23·4	6·1	12·8	52	14·7	80	4·5	1	16·5	20·2	22·6	17·5	24·5	15·8	8·7	0·0	8·5	68
15	969·7	22·6	5·1	13·7	57	15·5	65	5·8	3	16·0	21·0	22·7	17·4	24·5	15·3	9·2	0·0	10·8	86
16	970·7	21·9	2·6	17·3	75	19·6	80	5·4	5	17·0	21·0	22·1	17·7	23·9	15·8	8·1	0·0	9·0	72
17	970·6	22·2	4·2	14·8	63	16·7	105	3·6	5	16·7	22·0	21·0	18·0	23·6	15·3	8·3	1·0	7·0	56
18	968·9	22·4	4·8	14·0	59	15·8	100	3·6	4	16·6	20·6	22·7	17·4	24·2	15·8	8·4	2·6	8·6	69
19	969·0	20·0	1·5	17·3	84	19·6	55	1·8	10	17·5	21·6	21·7	18·3	23·5	16·8	6·7	10·5	2·3	18
20	970·7	21·3	3·0	16·0	72	18·0	70	4·9	9	18·3	20·5	22·5	18·2	23·6	16·6	7·0	0·0	10·1	80
21	971·5	21·4	3·0	16·1	72	18·1	95	4·9	8	16·5	19·1	21·7	18·6	23·4	15·4	8·0	0·0	4·7	37
22	971·9	21·0	2·5	16·6	76	18·7	105	7·2	8	17·6	20·1	20·7	17·7	22·6	16·8	5·8	1·4	6·5	52
23	971·0	20·5	3·0	15·1	71	17·0	100	6·3	9	17·0	20·4	20·5	17·5	22·1	16·0	6·1	3·7	6·5	52
24	971·7	22·0	3·7	15·5	66	17·4	95	4·9	8	17·0	20·3	21·9	17·5	23·5	16·1	7·4	0·4	9·8	78
25	971·3	20·4	2·1	16·6	79	18·7	90	3·6	4	16·2	20·3	22·0	17·8	23·4	15·3	8·1	1·5	8·1	64
26	970·5	20·3	2·1	16·5	79	18·6	125	4·5	8	17·0	19·5	21·6	18·1	22·9	16·3	6·6	1·6	8·2	65
27	969·4	19·9	1·5	17·2	84	19·4	110	5·4	8	17·1	19·5	21·0	18·0	22·6	16·3	6·3	2·8	6·5	51
28	969·2	18·0	0·7	16·7	92	18·8	130	7·2	9	16·7	17·7	18·1	16·0	21·7	16·3	5·4	2·5	6·3	50
29	969·9	16·4	1·0	14·5	89	16·4	105	4·5	10	14·7	17·6	18·6	16·5	21·9	13·8	8·1	2·6	5·0	39
30	970·2	17·4	1·5	14·6	84	16·5	90	5·4	10	15·0	19·0	17·9	16·2	20·6	13·7	6·9	0·0	2·5	20
31	968·6	20·9	4·6	18·0	83	20·4	90	4·5	7	14·1	18·0	20·5	16·3	22·4	13·4	9·0	3·0	3·8	30
Mean	970·9	20·6	2·9	15·6	73·7	17·6	° ...	4·7	7	16·2	19·6	20·9	17·6	22·9	15·2	7·7	71·0	6·93	55·5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	42·3mbs.	Amount of rain	—	42·2mms.
Temperature of the Air	+	3·1°C	Duration of sunshine	+	47·3hrs
Vapour Pressure	—	0·3mbs.	Mean of maximum temperatures	+	2·3°C
Relative Humidity	—	14·0%	,, minimum temperatures	+	2·0°C
Velocity of Wind	—	0·2mps.	Absolute maximum temperature	+	2·7°C
Amount of Cloud	—	0·7	,, minimum temperature	—	0·1°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1934

Month and day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
OCT.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mm.	hrs.	mm.	
1	1012·8	+ 0·1	24·9	16·6	8·3	20·5	− 0·9	3·0	15·1	− 0·8	71	0	17·0	15·4	0·0	...	5·6	4·2
2	1013·0	+ 0·3	24·0	17·2	6·8	19·8	− 1·6	2·0	16·2	+ 0·3	79	+ 8	18·2	15·1	6·9	70	5·2	7·8
3	1013·6	+ 1·0	24·5	18·1	6·4	21·1	− 0·4	3·2	15·4	− 0·6	70	− 1	17·3	16·9	0·3	10	5·2	6·6
4	1013·7	+ 1·2	25·1	18·5	6·6	21·6	+ 0·1	2·5	17·2	+ 1·2	76	+ 5	19·4	15·6	1·7	20	5·7	6·5
5	1014·1	+ 1·6	25·1	17·9	7·2	20·9	− 0·7	2·7	16·1	+ 0·2	74	+ 3	18·1	12·2	0·7	11	6·0	3·3
6	1014·6	+ 2·2	24·4	17·1	7·3	20·2	− 1·4	2·5	15·7	− 0·2	76	+ 5	17·7	12·5	0·4	8	3·9	4·1
7	1014·9	+ 2·6	25·0	16·8	8·2	20·4	− 1·3	3·3	14·5	− 1·5	69	− 1	16·4	14·1	0·1	2	5·8	4·1
8	1014·8	+ 2·6	25·0	16·9	8·1	20·9	− 0·8	3·5	14·6	− 1·4	67	− 3	16·5	12·0	0·0	...	6·0	4·7
9	1014·0	+ 1·8	24·3	16·7	7·6	20·4	− 1·4	3·3	14·5	− 1·6	69	− 1	16·4	11·8	0·0	...	5·5	4·2
10	1012·5	+ 0·4	25·9	15·0	10·9	20·2	− 1·6	2·9	15·0	− 1·1	72	+ 2	16·9	10·2	0·0	...	4·2	5·2
11	1011·5	− 0·5	24·5	16·0	8·5	20·4	− 1·4	2·8	15·4	− 0·7	73	+ 3	17·3	13·5	0·0	...	3·6	4·6
12	1011·5	− 0·4	26·0	14·8	11·2	20·3	− 1·6	3·2	14·7	− 1·5	70	0	16·6	10·5	0·0	...	6·0	1·9
13	1011·6	− 0·2	26·0	15·9	10·1	21·0	− 0·9	2·9	15·9	− 0·3	73	+ 3	17·9	15·2	0·0	...	5·3	5·1
14	1011·1	− 0·6	26·1	17·7	8·4	21·1	− 0·9	3·3	15·9	− 0·5	70	0	17·9	14·6	0·0	...	7·0	2·5
15	1011·5	− 0·1	25·8	17·9	7·9	21·4	− 0·6	3·3	15·6	− 0·8	70	0	17·6	16·2	0·0	...	6·7	3·5
16	1012·3	+ 0·8	26·0	17·7	8·3	21·7	− 0·4	3·0	16·4	− 0·1	72	+ 2	18·5	15·6	1·1	25	5·9	6·8
17	1011·4	0·0	26·2	18·0	8·2	22·1	0·0	3·5	16·0	− 0·5	68	− 2	18·0	15·7	0·0	...	6·5	5·7
18	1010·3	− 1·1	27·2	18·0	9·2	22·0	− 0·2	3·6	15·7	− 0·9	68	− 2	17·7	16·1	0·1	2	6·7	5·8
19	1010·6	+ 0·7	26·0	19·8	6·2	22·4	− 0·2	2·3	18·4	+ 1·8	78	+ 8	21·0	15·6	3·1	27	4·7	7·8
20	1012·2	+ 1·0	26·3	18·6	7·7	22·1	− 0·2	2·9	17·0	+ 0·3	73	+ 3	19·2	16·4	0·0	...	5·7	6·0
21	1013·1	+ 1·9	26·3	17·9	8·4	21·6	− 0·7	3·1	16·1	− 0·6	71	+ 1	18·1	15·9	0·9	10	5·4	5·3
22	1013·1	+ 2·0	26·2	19·2	7·0	21·7	− 0·7	2·5	17·3	+ 0·5	76	+ 6	19·6	17·8	10·6	97	5·0	6·9
23	1013·1	+ 2·1	25·3	18·9	6·4	21·7	− 0·8	3·1	16·2	− 0·7	71	+ 1	18·2	14·6	2·5	30	5·6	4·5
24	1013·5	+ 2·5	26·1	18·0	8·1	21·9	− 0·6	3·6	15·5	− 1·4	67	− 3	17·4	17·0	0·2	4	6·9	3·2
25	1012·9	+ 2·0	26·0	16·0	10·0	21·2	− 1·4	2·9	16·1	− 0·7	73	+ 3	18·1	14·2	0·0	...	5·2	4·0
26	1011·9	+ 1·1	17·6	17·0	0·6	21·9	− 0·7	3·2	16·2	− 0·6	70	0	18·2	12·4	0·0	...	6·5	3·7
27	1011·1	+ 0·4	26·3	16·7	9·6	21·4	− 1·3	3·2	15·7	− 1·3	70	0	17·7	13·2	0·1	2	6·1	4·3
28	1011·2	+ 0·6	25·1	15·9	9·2	20·6	− 2·1	3·4	14·5	− 2·4	68	− 2	16·4	13·7	0·1	2	6·5	4·9
29	1011·5	+ 0·9	24·2	13·2	11·0	19·8	− 3·0	3·9	12·7	− 4·3	64	− 6	14·6	11·0	0·0	...	4·9	6·2
30	1011·3	+ 0·8	24·1	17·3	6·8	20·5	− 2·3	3·6	14·1	− 2·9	67	− 3	15·9	14·2	0·0	...	5·4	7·0
31	1010·3	− 0·2	25·2	18·1	7·1	21·3	− 1·6	4·7	13·0	− 3·9	59	− 11	14·9	14·1	0·0	...	8·0	5·6
															Sum	Sum		
Mean	1012·4	+ 0·8	25·2	17·2	8·0	21·1	− 1·0	3·1	15·6	− 0·8	70·8	+ 0·6	17·6	14·3	28·80	320	5·7	5·3
Aver.	1011·6	...	26·8	18·0	8·8	22·1	...	3·2	16·4	...	70·2	...	18·5	14·9	40·40	770	5·9	5·1
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF OCTOBER 1934.

The first ten days and the last ten days of the month were under the influence of two high pressure waves of rather long duration.

The greater part of the small rainfall for the month was recorded during the onset of these waves. Temperature was very conspicuously below normal during these two periods, the defect amounting to 2° or 3° between the 28th and 30th.

Humidity was variable but wind velocity showed in general small daily departures from the average with a normal mean for the month.

Rainfall at the Observatory was only 71% of the normal for the month.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1934.

Month and Day 1934.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather: 0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	24h
OCTOBER	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.									
1	9·4	77	3·7	+ 0·1	24·2	23·2	22·7	22·7		b	:	bc	: c	:	bc	:	b
2	3·7	30	2·5	− 1·1	24·0	23·4	22·7	22·7		b	: c	: crr	: c	: cgrr	: o	:	cr_0r_0
3	8·8	72	4·5	+ 0·9	24·5	23·3	22·7	22·7		c	: o	: c	:		bc		: cr_0
4	8·9	72	3·6	0·0	24·2	23·2	22·7	22·8		cr_0	:	bc	: c	:	bc	: cr_0r_0	: c
5	10·3	84	3·5	− 0·1	23·9	23·4	22·8	22·9		bc	:	bd_0d_0	:	bc		: bd_0d_0	: b
6	6·6	54	3·1	− 0·5	23·0	23·2	22·9	23·0			b	: bc	:	c		:	b
7	10·5	85	3·4	− 0·1	24·1	23·3	22·9	22·7		b	:	bc	:	c	: bc	:	b
8	11·0	89	3·2	− 0·3	24·1	23·3	22·9	22·7		b	: bc	:	b	:	bc	:	b
9	8·0	80	2·9	− 0·6	24·1	23·2	22·8	22·8				bc	: c	:		b	
10	3·8	31	2·3	− 1·2	24·2	23·3	22·8	22·8			b	:	c	:	bc	: c	: bc : b
11	6·0	48	2·0	− 1·5	24·1	23·3	22·8	22·7				b	:		c		: bc : b
12	10·5	85	2·2	− 1·3	24·1	23·2	22·8	22·8		b_0	:				b		
13	8·1	65	2·9	− 0·6	24·2	23·3	22·9	22·9			b		bc		:	c	. bc
14	11·5	92	3·2	− 0·3	24·1	23·3	23·0	23·1				b	:	bc	:		b
15	11·3	90	3·3	− 0·2	24·2	23·3	23·0	23·4				b	:		bc		: b
16	10·7	86	3·2	− 0·3	24·1	23·4	23·2	23·7		c	: cr_0r_0	: bcr_0	:		bc		: c
17	8·6	69	3·9	+ 0·5	24·1	23·3	23·3	23·7			bc	: b	:		lc		: c
18	7·9	63	3·5	+ 0·1	24·2	23·4	23·3	23·9		bc	: c	: bc	:	b	:	bc	: cgr_0 : c
19	5·2	41	3·1	− 0·3	24·1	23·4	23·4	24·1			bc rr	: bc	:		c		: cr
20	9·6	76	3·4	0·0	24·1	23·6	23·5	24·1		c	:		bc				: c
21	4·6	45	3·5	+ 0·1	24·1	23·4	23·6	23·9		bc	:	b	: cr_0	:	c	:	b
22	7·5	60	4·8	+ 1·4	24·1	23·5	23·6	23·9		b	:	bc	:	c	:	crr	: orr
23	10·7	85	5·0	+ 1·6	24·1	23·4	23·6	23·8		bcr_0	: b	:		bc		: b	: bc
24	11·2	89	4·2	+ 0·8	24·1	23·4	23·6	23·8			b	:	bc		: b	: bc	: b
25	8·9	70	2·9	− 0·5	24·1	23·5	23·6	23·8			b	:	bc			:	b
26	11·7	92	3·5	+ 0·1	24·1	23·5	23·6	23·9			b	:	bc		:	b	
27	11·1	87	3·6	+ 0·2	24·2	23·4	23·6	23·9			b	:	bc		:	b	: c
28	9·2	72	4·5	+ 0·9	24·1	23·5	23·7	23·8			bc	: c	:	bc	.	b	
29	5·4	43	3·4	0·0	24·1	23·5	23·7	23·6			b	: bc	:		c		
30	2·9	23	3·5	+ 0·1	24·1	23·6	23·6	23·4					c			: bc	: b
31	8·6	67	4·1	+ 0·7	24·1	23·7	23·6	23·3			c	:	bc			:	b
Mean	8·46	68·4	3·43	−0·04	24·13	23·38	23·20	23·33				.....					
Average	8·18	65·5	3·47	...	24·43	24·03	23·98	24·39				.....					
Column	19	20	21	22	23	24	25	26				.....					

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF OCTOBER 1934.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1016·2mbs	at 09 & 10hrs.	on 8th	1008·4mbs	at 15·00hrs.	on 18th
Temperature of the Air	27·2°C	at 13.55hrs.	on 18th	13·2°C	at 05.40hrs	on 29th
Daily range of temperature of the Air ...	11·2°C	.	on 12th	0·6°C	.	on 26th
Temperature of the Dew Point	20·1°C	at 07.00hrs.	on 19th	11·3°C	at 10·00hrs.	on 31st
Daily range of temperature of the Dew Point	5·9°C	...	on 28th	1·1°C	...	on 15th
Minimum on Grass	...	...	...	10·2°C	...	on 10th
Relative humidity	93·6%	at 14·00hrs.	on 18th	44·1%	at 05·00hrs	on 19th
Vapour Pressure	23·3mbs.	at 07·00hrs.	on 19th	13·3mbs.	at 10.00hrs.	on 31st
Wind Velocity	8·4m.p.s.	at 13 & 14hrs.	on 22nd	0·8mps	04 & 19hrs.	on 12th
Rainfall in 24 hours	13·1mms.	ending 01·00hrs	on 23rd	...	...	...
Evaporation in 24 hours...	8·0mms	...	on 31st	3·6mms	...	11th
Duration of sunshine	11·7hrs	...	on 26th	2·9hr.	...	on 23rd

Mean Day Temperature of Air, 23·32°C. Average 24·60°C. Mean Night Temperature of Air, 18·91°C. Average 19·77°C.

NUMBER OF DAYS OF:—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	5	20	6	...	9	4	1	1	...	...	...

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

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

OCTOBER 1934.

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	143	131	140	148	146	151	157	152	153	140	126	120	130	120	120	130	Midnight
1h	141	130	134	144	141	143	151	150	150	139	121	113	125	119	111	128	1h
2	139	128	130	134	139	141	147	145	148	136	116	110	120	111	109	123	2
3	134	122	125	131	132	139	142	141	141	133	112	110	120	111	107	121	3
4	131	121	127	131	131	139	142	141	142	131	113	110	119	110	106	121	4
5	132	126	129	136	134	140	147	143	146	131	112	111	120	113	110	123	5
6	135	130	138	138	140	148	150	149	150	131	117	113	121	114	112	126	6
7	138	136	140	143	143	151	156	151	151	132	119	120	122	117	120	130	7
8	139	139	141	150	150	156	160	157	152	139	121	122	124	119	123	132	8
9	139	140	146	150	153	158	161	162	151	140	122	121	125	117	124	132	9
10	136	136	143	149	151	159	160	162	150	136	121	120	124	116	122	131	10
11	130	131	142	144	150	150	156	160	147	128	121	118	118	113	120	126	11
Noon	123	126	136	132	142	142	150	151	137	120	119	110	109	110	113	121	Noon
13h	113	120	129	127	134	140	142	147	129	110	111	104	101	100	106	113	13h
14	110	119	123	120	129	134	137	137	123	109	108	101	098	092	101	109	14
15	108	118	120	119	127	130	132	131	120	104	101	100	098	090	101	107	15
16	109	116	121	120	126	132	133	131	121	104	100	100	100	091	102	108	16
17	110	119	126	125	128	135	137	135	125	107	100	106	101	098	105	110	17
18	116	122	130	130	134	140	141	140	130	113	103	112	107	102	110	120	18
19	121	131	136	133	140	147	150	146	137	120	117	120	111	110	119	121	19
20	130	140	141	141	149	151	153	152	142	125	121	125	120	116	126	125	20
21	133	140	150	149	152	158	159	159	143	130	125	131	124	120	130	130	21
22	134	144	153	150	157	160	160	158	142	130	123	131	126	122	132	130	22
23	132	141	151	149	155	159	156	156	141	128	121	131	126	122	132	130	23

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. / Hour
Midnight	127	112	110	131	136	134	133	141	145	134	120	121	120	121	114	1013·2	Midnight
1h	123	110	102	120	131	130	130	137	140	126	111	114	112	119	110	1012·8	1h
2	120	102	099	116	125	125	128	130	134	120	109	110	110	111	105	1012·3	2
3	116	101	093	110	123	121	124	126	131	117	101	109	106	110	101	1012·0	3
4	116	101	092	111	125	120	124	124	129	116	100	108	108	110	101	1011·9	4
5	114	105	096	112	128	123	125	128	128	119	104	110	110	111	104	1012·2	5
6	120	110	101	120	130	130	130	131	130	120	110	112	113	116	106	1012·6	6
7	122	115	109	122	137	135	134	137	133	124	111	117	119	120	110	1012·9	7
8	126	118	111	128	140	139	138	139	138	129	113	120	123	121	110	1013·3	8
9	123	118	112	130	143	141	139	140	137	130	119	120	127	122	109	1013·4	9
10	121	111	111	129	145	141	137	141	136	130	118	119	125	120	107	1013·2	10
11	119	106	106	128	136	139	131	140	134	126	111	115	119	117	102	1012·8	11
Noon	113	099	100	121	130	131	129	138	127	120	109	109	111	111	099	1012·2	Noon
13h	107	090	098	115	125	125	122	131	119	110	100	100	106	108	093	1011·5	13h
14	101	085	095	115	120	120	119	125	111	101	099	097	101	103	088	1011·1	14
15	099	084	095	110	120	119	114	121	110	100	094	092	101	100	087	1010·8	15
16	099	085	097	110	119	120	117	121	110	100	098	096	101	101	090	1010·9	16
17	100	090	100	112	120	122	120	124	112	105	100	100	106	101	091	1011·2	17
18	103	100	107	120	123	127	127	131	120	111	110	106	110	110	096	1011·8	18
19	109	101	115	127	130	135	135	140	129	120	119	113	118	117	103	1012·5	19
20	111	106	120	132	137	140	140	147	137	124	123	123	125	120	110	1013·1	20
21	117	110	123	140	140	145	146	150	139	127	125	126	129	120	111	1013·5	21
22	119	111	126	140	141	145	149	151	140	129	125	126	129	120	111	1013·6	22
23	118	110	124	140	140	142	148	150	140	124	125	123	125	118	109	1013·4	23

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

Hour. \ Day.	October 1934.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	2	2	8	8	3	1	2	4	1	2	1	0	4	1	3	6	6	10	10	6	4	7	2	2	3	2	5	1	10	4	1	3·9
1h	2	3	9	10	7	4	1	2	3	1	2	0	1	4	2	5	3	4	10	8	5	2	5	1	2	2	3	2	1	10	6	3·9
2	1	7	9	7	4	3	2	2	4	0	2	0	0	3	2	10	3	4	8	8	4	2	4	1	2	2	2	3	0	9	8	3·7
3	2	9	8	7	3	3	2	3	7	0	1	1	0	2	2	10	2	2	5	7	4	2	4	1	3	2	2	5	1	9	9	3·8
4	4	8	10	7	2	4	2	4	9	1	1	1	1	2	2	10	4	3	5	6	3	3	3	1	3	2	2	9	1	8	9	4·1
5	8	8	10	7	2	2	5	6	4	1	2	0	1	2	2	10	3	9	4	2	3	3	3	2	3	3	6	8	1	7	9	4·4
6	9	8	10	2	2	2	6	9	5	1	2	0	2	1	2	3	6	8	4	4	3	5	4	2	2	4	7	4	2	5	9	4·3
7	5	8	9	3	3	2	6	9	2	9	1	1	4	1	2	3	2	9	6	4	3	6	3	3	3	3	6	4	3	8	7	4·5
8	6	9	9	3	3	3	6	5	8	9	1	1	4	3	2	5	2	7	7	5	8	7	6	4	5	5	5	6	4	9	3	5·2
9	7	9	7	8	3	5	5	2	9	9	2	3	5	3	4	5	1	7	7	7	9	7	7	5	5	5	8	8	7	7	3	5·8
10	8	8	5	8	3	9	4	3	9	8	8	3	5	3	5	8	1	4	8	8	9	7	7	7	8	8	6	9	9	7	5	6·3
11	8	8	5	8	5	7	5	3	10	7	8	3	4	4	5	8	6	3	7	7	8	8	7	6	7	7	6	10	8	7	6	6·5
Noon	6	9	4	8	4	7	8	7	8	5	9	2	4	4	6	4	8	6	8	7	8	8	7	5	7	6	5	7	8	9	6	6·5
13h	5	9	3	6	4	9	9	7	3	6	9	2	7	5	6	4	8	2	9	6	7	9	7	5	5	4	5	7	8	9	6	6·2
14	5	9	3	6	5	9	6	7	2	8	9	3	8	4	6	7	6	2	8	5	9	8	6	5	6	4	4	5	8	9	7	6·1
15	4	10	4	5	5	9	5	8	1	9	9	3	9	3	6	6	6	1	9	5	9	9	5	3	6	5	3	4	9	9	8	6·0
16	4	10	4	5	5	9	5	8	1	9	9	3	9	3	6	6	6	1	9	5	9	9	4	3	5	5	3	5	9	9	8	6·0
17	4	10	4	5	4	4	4	6	1	9	9	4	9	2	4	5	8	9	9	5	5	9	3	3	5	3	3	5	9	9	6	5·6
18	2	9	4	4	3	2	3	4	1	9	9	4	9	2	4	5	9	10	9	3	4	9	2	3	4	3	3	3	9	9	6	5·2
19	2	8	5	4	3	1	2	4	1	8	8	3	9	2	3	7	9	9	10	2	2	10	3	5	2	3	10	2	10	7	4	5·1
20	1	6	5	10	2	1	1	3	1	6	5	2	9	2	2	9	9	10	9	8	2	9	4	2	4	2	1	1	8	5	3	4·5
21	1	5	7	9	2	0	1	2	1	4	2	2	8	1	1	10	9	7	10	10	2	10	6	1	4	2	1	1	8	2	2	3·9
22	2	6	8	10	2	1	3	3	4	2	1	1	7	1	2	9	9	7	9	9	2	10	4	3	5	3	5	2	9	1	2	4·6
23	2	6	9	8	2	1	3	4	5	2	1	1	5	2	3	8	9	9	9	8	4	10	3	3	4	2	5	2	10	1	1	4·6

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

Hour Ending. \ Day.	October 1934.																															
	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	2	0	0·0
7	27	11	0	48	25	45	45	30	48	0	46	55	40	55	50	55	50	0	30	45	28	52	35	40	60	55	36	55	40	15	5	18·6
8	60	46	5	50	15	60	56	60	32	0	60	60	60	60	58	60	59	33	38	50	46	45	50	60	55	60	60	60	32	10	35	24·2
9	54	16	25	11	60	57	60	60	5	0	60	60	60	60	60	57	60	58	48	39	5	55	44	60	54	60	50	16	29	24	60	22·8
10	28	58	60	56	60	16	60	60	29	14	52	60	60	60	60	60	60	60	48	42	9	60	54	56	32	60	48	23	31	45	60	24·7
11	32	55	54	55	60	21	60	60	24	51	35	60	60	60	60	45	58	59	50	31	35	50	60	41	12	45	58	40	15	55	55	24·3
Noon	30	32	60	12	60	36	59	60	6	58	11	60	60	60	60	53	32	56	49	33	50	55	55	60	45	60	58	5	38	20	40	23·2
13h	60	0	60	40	60	22	50	55	47	60	19	60	60	60	60	60	5	60	0	55	15	30	60	60	60	60	60	54	5	2	57	22·6
14	60	5	60	56	60	11	30	60	60	34	23	60	36	60	60	60	51	60	0	60	40	48	60	60	60	60	60	60	45	0	55	24·2
15	60	0	60	60	60	9	60	50	60	9	5	60	30	60	60	48	50	60	4	58	12	36	60	60	58	60	60	60	50	1	29	22·5
16	47	0	60	51	60	0	60	55	60	0	39	60	4	60	60	56	46	30	3	56	2	1	60	60	60	60	60	60	0	0	35	20·1
17	60	0	55	53	60	52	56	60	60	0	6	28	15	60	56	50	45	0	22	60	0	0	60	60	25	60	52	60	18	0	55	19·8
18	44	0	30	44	41	45	34	48	50	0	4	7	0	34	35	36	0	0	10	45	35	14	45	55	15	60	60	60	20	0	27	15·0
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	5	0	0	0	3	0·1

The total Amount of Registered Sunshine was 262.2 hrs. and the total possible sunshine was 387·4 hrs.

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

(To obtain temperatures on the Absolute Scale add 273)

OCTOBER 1934.

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

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

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

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

OCTOBER 1934.

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

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during OCTOBER 1934.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

OCTOBER 1934.

Hour.	1d. Dir.	1d. Vel.	2d. Dir.	2d. Vel.	3d. Dir.	3d. Vel.	4d. Dir.	4d. Vel.	5d. Dir.	5d. Vel.	6d. Dir.	6d. Vel.	7d. Dir.	7d. Vel.	8d. Dir.	8d. Vel.	9d. Dir.	9d. Vel.	10d. * Dir.	10d. * Vel.	11d. * Dir.	11d. * Vel.	12d. Dir.	12d. Vel.	13d. Dir.	13d. Vel.	14d. Dir.	14d. Vel.	15d. Dir.	15d. Vel.	16d. Dir.	16d. Vel.
Midnight	11	1·7	11	1·8	12	3·4	11	4·2	09	2·4	12	1·7	11	1·8	10	2·2	11	1·9	11	1·7	11	2·2	10	1·8	07	2·0	10	2·3	10	2·2	09	1·8
1h	11	1·3	11	1·3	12	2·2	09	4·0	09	1·9	12	1·8	11	1·9	10	1·5	11	1·4	11	1·1	11	2·7	10	1·5	09	2·1	10	3·0	10	2·4	09	1·6
2	11	1·8	13	1·9	11	4·2	11	2·4	09	2·2	12	1·6	11	2·0	10	1·9	11	1·5	11	1·5	11	1·7	10	1·5	10	2·2	10	2·0	10	2·2	09	1·6
3	11	3·1	11	2·3	11	4·0	10	3·5	09	2·9	12	1·8	11	1·8	11	1·5	11	1·5	11	1·4	11	2·2	10	2·4	10	1·8	10	1·5	10	2·4	09	1·7
4	12	2·8	11	1·7	11	3·4	12	3·1	09	2·5	12	1·8	11	1·7	11	1·9	11	1·1	11	1·4	11	2·7	10	0·8	10	1·9	10	2·2	10	2·6	09	1·4
5	12	2·6	11	1·2	11	2·8	11	2·9	09	3·2	12	2·0	11	1·9	11	2·0	11	1·8	11	2·3	11	2·3	10	1·8	11	2·1	10	1·5	10	2·3	09	2·2
6	12	2·3	11	1·2	12	3·7	11	3·3	09	3·1	12	1·8	11	1·9	11	1·9	11	1·8	11	1·8	11	1·1	10	1·5	11	2·0	10	2·0	10	2·8	09	1·8
7	12	2·5	12	1·6	11	4·3	12	2·9	09	3·0	12	2·4	11	2·3	11	3·0	11	1·8	11	1·5	11	1·2	10	1·5	11	1·8	10	2·7	10	2·7	10	2·1
8	12	4·4	12	2·3	09	4·6	12	3·1	09	5·4	11	4·1	10	4·5	10	5·2	12	3·0	11	2·5	11	2·6	10	2·3	08	2·6	11	4·3	08	4·2	09	5·2
9	11	4·6	10	4·0	09	5·0	10	4·6	09	5·1	10	5·3	08	5·6	08	5·2	12	4·3	14	3·3	08	1·9	08	2·4	07	3·8	07	3·6	08	5·0	10	5·3
10	11	6·0	11	4·5	09	6·4	10	5·0	10	5·3	09	4·4	08	5·3	08	5·4	10	5·0	09	2·5	11	1·8	05	2·9	07	3·3	08	3·7	06	4·9	07	5·0
11	11	5·1	10	3·9	09	5·0	11	5·4	09	5·0	09	5·1	08	5·6	08	5·1	09	5·3	11	4·1	d27	3·4	07	2·7	07	5·2	07	3·9	06	4·7	10	4·6
Noon	12	6·0	11	4·2	10	6·9	12	5·1	10	4·2	09	5·4	09	6·2	09	4·8	10	5·4	11	3·2	23	2·5	06	3·6	05	4·6	06	4·5	07	5·8	09	4·7
13h	12	6·3	10	4·2	09	6·8	11	3·9	07	6·0	07	4·4	10	5·2	10	4·6	11	5·4	10	3·4	25	2·2	08	4·1	06	4·6	08	4·3	07	5·0	09	4·4
14	09	6·1	10	3·2	12	6·1	11	4·2	08	5·9	10	4·4	11	5·3	11	4·6	09	5·4	12	2·7	26	2·0	08	3·7	05	4·6	07	4·5	07	4·5	11	4·9
15	12	6·0	06	3·0	09	7·5	10	4·4	10	4·4	10	4·6	11	5·6	11	4·1	08	4·5	d20	1·9	26	2·0	07	3·5	06	4·4	09	4·7	07	4·3	10	4·9
16	12	5·5	07	1·2	09	4·6	10	4·9	10	4·8	09	4·8	10	5·1	10	4·6	09	4·4	22	1·3	30	1·7	08	3·0	06	4·0	10	4·4	08	4·1	09	4·3
17	11	5·2	10	2·4	10	5·8	07	4·3	10	4·5	11	4·2	12	5·2	12	3·9	11	4·2	11	1·4	31	1·6	08	2·4	07	2·8	10	4·4	08	3·7	10	4·7
18	10	3·9	11	1·8	10	3·1	08	3·0	10	3·7	09	3·3	10	4·3	10	3·2	11	3·1	11	2·1	d07	1·9	08	1·6	08	2·8	10	3·4	09	3·7	11	3·8
19	11	2·1	11	1·6	11	3·6	08	1·6	11	1·9	09	1·7	12	2·2	12	2·6	11	1·8	12	2·6	07	1·7	08	0·8	10	1·6	10	2·7	09	2·9	11	1·9
20	11	2·2	07	2·3	10	4·1	08	2·2	11	2·0	09	1·4	11	1·8	11	1·8	11	2·0	11	3·1	10	1·8	07	1·2	10	2·0	10	2·4	09	2·0	11	2·0
21	11	2·5	08	2·4	11	6·1	10	3·1	12	1·8	09	1·9	11	1·9	11	1·7	11	1·4	11	2·6	10	1·1	07	1·4	10	1·7	10	2·2	09	2·3	11	1·9
22	11	2·2	10	2·8	11	2·3	09	4·0	12	1·7	09	1·7	11	1·4	11	1·9	11	1·2	11	2·6	10	1·4	07	1·8	10	2·6	10	2·6	09	2·1	11	2·8
23	11	2·5	12	3·0	12	2·9	09	3·0	12	1·6	09	1·9	11	1·3	11	2·2	11	1·5	11	2·5	10	1·8	07	1·4	10	2·2	10	3·0	09	1·5	11	2·0

Hour.	17d. Dir.	17d. Vel.	18d. Dir.	18d. Vel.	19d. Dir.	19d. Vel.	20d. Dir.	20d. Vel.	21d. Dir.	21d. Vel.	22d. Dir.	22d. Vel.	23d. Dir.	23d. Vel.	24d. Dir.	24d. Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. Dir.	27d. Vel.	28d. * Dir.	28d. * Vel.	29d. Dir.	29d. Vel.	30d. Dir.	30d. Vel.	31d. Dir.	31d. Vel.	Mean Velocity
Midnight	11	1·4	11	1·8	11	3·5	05	2·4	11	1·8	11	2·3	09	5·5	09	4·5	11	1·5	11	2·1	12	1·6	12	0·7	12	4·2	10	1·4	11	4·3	2·4
1h	11	2·2	11	2·0	11	3·0	08	2·6	11	1·6	11	3·1	10	3·9	09	4·4	11	1·7	12	3·2	12	1·6	12	1·2	12	3·3	08	0·9	12	2·2	2·2
2	11	1·8	11	2·0	11	2·1	05	2·0	11	1·1	11	2·8	10	3·9	10	3·6	11	1·9	11	3·5	12	2·7	12	1·3	12	3·0	09	2·0	12	2·0	2·2
3	11	1·5	11	1·7	11	2·2	08	2·2	11	2·0	11	3·1	10	3·7	09	3·6	11	2·0	12	3·1	12	2·7	17	1·8	12	2·1	10	1·1	12	1·5	2·3
4	11	2·7	11	2·9	11	2·8	08	2·9	11	2·3	11	2·0	10	3·3	10	3·8	12	1·6	12	2·6	12	2·5	11	2·2	12	2·1	11	1·2	12	1·3	2·2
5	11	2·4	11	2·3	09	2·3	08	2·4	11	2·9	11	1·9	10	3·1	10	3·6	12	1·3	12	2·3	12	2·1	12	3·0	12	2·0	12	2·3	06	1·9	2·3
6	11	2·7	11	2·1	09	2·4	08	1·5	11	1·3	11	2·5	10	3·1	10	3·8	12	1·0	12	2·1	12	2·6	12	1·5	12	1·6	12	2·1	12	3·2	2·2
7	11	2·7	11	2·8	09	2·3	08	2·5	11	2·0	10	3·1	10	2·5	11	3·7	12	1·9	12	2·8	12	3·8	13	2·9	12	3·3	12	2·2	11	4·0	2·6
8	10	4·7	11	3·4	07	3·0	08	3·9	07	4·4	11	5·2	10	4·7	09	5·6	11	3·5	12	3·4	12	5·0	11	4·3	12	4·0	09	5·9	10	4·2	4·0
9	06	4·4	11	4·1	07	3·2	07	4·6	06	4·3	09	6·1	09	5·1	10	5·3	11	4·1	12	5·4	10	5·0	12	5·7	12	5·0	12	4·5	12	5·5	4·6
10	10	4·6	10	3·7	07	4·2	08	5·1	09	4·3	09	7·3	08	6·4	08	6·0	11	4·0	12	5·8	10	6·2	12	5·4	10	5·4	12	5·5	09	6·1	4·9
11	12	5·2	09	4·3	06	4·0	05	5·0	09	4·8	12	7·0	09	6·0	09	5·5	10	3·6	12	5·0	10	5·5	10	6·7	10	5·0	09	4·9	12	5·1	4·9
Noon	09	5·7	11	4·7	06	4·4	07	4·5	06	5·6	10	7·5	09	6·4	08	6·0	07	4·9	10	5·6	11	3·6	12	6·2	11	5·0	11	6·5	12	6·1	5·2
13h	10	4·9	10	4·1	06	3·9	07	5·4	10	6·1	08	8·4	09	7·0	09	6·1	08	3·3	12	5·6	10	7·0	11	7·5	11	4·8	12	5·6	11	5·9	5·2
14	08	5·7	13	4·4	06	3·5	07	4·8	10	5·0	10	8·4	09	6·9	08	5·2	09	4·7	12	5·3	08	7·7	12	7·7	11	4·8	09	4·0	11	5·1	5·0
15	11	5·6	09	5·2	07	4·1	06	5·2	11	5·1	09	7·6	09	7·5	10	5·7	11	4·3	10	5·3	09	5·5	12	7·7	12	4·9	11	4·4	10	5·2	4·9
16	12	5·3	11	5·2	07	4·0	08	4·0	10	4·7	10	5·3	10	6·4	12	5·6	11	4·3	12	5·0	09	5·8	12	6·4	13	4·0	11	5·1	12	7·0	4·5
17	11	5·3	12	4·7	08	3·6	10	4·7	10	4·3	09	5·1	09	6·4	09	5·1	09	4·2	12	4·7	11	4·9	11	7·0	11	4·9	10	4·1	11	5·5	4·4
18	11	4·7	12	4·2	08	2·9	11	3·7	10	4·3	09	5·0	09	5·6	10	4·5	10	3·4	12	3·1	12	3·5	12	6·2	11	3·3	11	3·7	10	5·4	3·6
19	11	4·6	12	3·1	10	4·0	11	3·0	11	2·6	11	3·9	10	4·5	11	3·2	11	2·3	12	2·2	12	3·1	12	5·2	11	2·2	11	1·6	11	4·0	2·7
20	10	5·1	11	3·9	11	2·3	11	2·2	11	3·3	11	3·1	10	4·3	11	2·6	11	2·8	12	2·9	12	1·4	11	3·7	11	2·1	11	2·7	12	3·2	2·6
21	10	5·8	12	2·8	11	3·3	11	2·3	11	2·8	09	3·8	09	4·7	11	1·7	11	3·4	12	1·6	12	1·4	12	3·5	11	2·1	11	3·4	12	3·0	2·6
22	11	3·1	12	3·9	11	2·4	11	2·0	11	3·3	07	4·4	09	4·6	11	1·1	11	2·3	12	1·8	12	0·7	11	4·6	11	1·5	10	4·3	11	4·2	2·6
23	11	3·1	11	3·2	11	2·3	11	2·4	11	3·3	11	4·3	08	4·4	11	1·4	12	2·3	12	1·1	12	0·7	11	3·7	11	1·6	10	3·4	10	3·6	2·4

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), OCTOBER, 1934.

Hour	Force (0–12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	...	31	...	...	...	...	4	7	19	...	1	...	.	...	...	...	...	...
9	...	4	27	...	...	...	2	13	6	9	1	...	..	...	...	...	...	...	...
15	...	9	22	...	...	...	2	10	7	9		...	...	1	...	...	1	...	...
21	...	1	30	...	...	...	...	6	5	20	...	...	...	...	...	...	...	...	...
Totals	...			...	...	..	5	33	25	57	1	1	...	1	...	...	1		...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for OCTOBER 1934.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of OCTOBER 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	0·63	16·0	57·1	4
*	St. Antoine	50	1·11	28·2	37·6	8
*	Belmont	50	1·27	32·3	47·8	13
*	Poudre d'Or	20	1·44	36·6	44·2	12
	Mon Loisir S. E.	300	...	...	61·5	...
	Forbach	300	..	...	53·8	...
*	Couroupa	...	0·93	23·7	48·3	7
*	Labourdonnais	290	...	...	51·8	...
	Beau Séjour	300	1·58	40·1	63·2	18
	Mont Piton	650	1·75	44·4	64·0	10
	Mon Choix	700	1·17	29·7	57·7	8
	Antoinette	640	1·29	32·8	61·2	6
	Mon Songe	620	...	..	64·3	...
	Botanical Gardens ...	325	1·66	42·2	53·1	16
*	The Observatory	179	1·13	28·8	42·4	15
	Solitude	175	...	.	30·7	...
	St. André	90	0·93	23·6	36·6	4
	La Nicolière	...	1·58	40·1	...	9
	California	...	1·51	38·4	...	6
	Australia	...	1·08	27·4	...	7
2 & 3	Union Régnard S.E. (Flacq)	600	...	...	60·7	...
	Constance d'Arifat L.G. ...	100	0·70	17·8	46·5	8
	Rich Fund	600	1·85	47·0	65·3	15
	La Joffrette	...	2·13	54·1	...	7
	Belle Vue (Allendy) ...	...	1·73	43·9	68·6	8
4 *	Sans Souci	900	...	...	151·1	...
	Beau Champ (G.R.S.E.) ..	20	1·50	38·1	59·7	8
	Olivia	400	2·90	73·7	105·4	10
	Trois Ilots	...	1·27	32·3	...	6
	Belle Rive	400	3·16	80·3	...	8
	Sébastopol	700	3·53	89·7	...	0
	Bonne Veine	400	3·66	93·0	141·2	19
5	Rose Belle	850	3·79	96·3	...	15
	New Grove	650	3·73	94·7	...	12
	Mon Trésor	...	1·05	26·7	...	9
	Mon Désert (Carié) ...	75	1·65	41·9	78·2	12
	Ferney	20	1·94	49·3	86·6	10
	Sauve Terre	...	1·64	41·7	...	5
6	Tivoli	1,300	4·02	102·1	155·7	21
	La Flora	1,050	4·35	110·5	134·1	22
6	Riche Bois (Brit.) ...	650	2·32	58·9	...	12
	Britannia (Estate) ...	700	3·30	83·8	110·5	15
	Savannah (Mill) ...	200	1·60	40·6	73·2	7
	St. Aubin	300	1·76	44·7	69·8	9
	St. Avold	900	3·38	85·8	111·5	17
	Colmar	400	...	...	85·6	..
	Union S. E.	...	1·75	44·4	58·7	8
	Fonteuelle	320	1·51	38·4	69·8	5
	Choisy	200	1·86	47·2	...	10
	Beau Bois	...	3·24	82·3	...	12
	Bel Air	...	1·82	46·2	..	6
	St. Félix	...	2·72	69·1	...	7
7,8,9 & 10	Bel Ombre	40	...		56·4	...
	Beau Champ (B. du Cap)	70	2·03	51·6	...	10
	Fréléric a	...	1·90	48·3	...	9
	Pierre Fond	...	0·46	11·7	...	7
	Ste. Marie	...	1·79	45·5	...	7
	Hussonia Limited .	..	...	...	...	...
11	Curepipe Gardens ...	1,840	4·69	119·1	117·9	23
	Mare aux Vacoas (G.E.)	1,830	4·05	102·9	149·1	19
	Mare aux Vacoas (Arn.)	1,830	5·24	133·1	147·1	21
	La Marie Filter Bed ..	1,700	2·23	56·6	85·6	12
*	Sophie	...	4·03	102·4	...	15
	Réunion	1,420	2·81	71·4	77·7	14
*	Aerological Station ...	1,393	2·80	71·0	71·9	19
12	Quatre Bornes (Board) ...	1,090	0·74	18·8	...	4
*	Le Réduit (D. of A.) ...	1,000	...	...	45·2	...
	Alma	1,460	3·43	87·1	118·9	14
	Bagatelle	1,250	1·56	39·6	52·1	8
	Highlands	1,300	1·91	48·5	81·5	9
	Trianon	950	...	...	47·2	...
	Val Ory	1,100	...	...	51·8	...
	Bassin	...	0·44	11·2	...	6
	Hermitage	1,450	2·86	72·6	...	8
	Ebene	...	0·89	22·6	...	6
	Bega	...	0·56	15·0	...	6
	Mon Rêve	...	1·03	26·2	...	8
	Mont Pevril	...	0·81	20·6	...	6
	Minissy	1,150	0·93	23·6	54·1	8
	Plaisance	...	1·45	36·8	...	11
	La Ferme	350	0·46	11·7	...	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 OCTOBER 1934.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	10	120	...	90	...	...	...	...	...	...	...	...	...
15	9¾	75	13·4	75	13·9	...	...	...	...	...	...	...	...
16	10	...	...	95	11·8	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...
18	9	...	...	75	12·9	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	8¼	120	13·4	75	10·3	...	...	...	...	...	...	...	...
21	10	...	...	90	13·9	...	...	265	...	...	...	...	...
22	10	105	27·0	105	7·2	...	...	...	...	...	...	...	...
23	10½	90	18·6	105	14·6	...	...	...	...	...	...	...	...
24	10	120	7·5	120	6·8	...	...	...	...	...	...	...	...
25	10	105	14·4	120	14·2	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...
27	11¾	120	18·6	135	7·5	...	...	...	...	...	...	315	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	11¼	...	...	135	9·8	120	14·3	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	105	12·8	...	...	300	...	...	...	...	...

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	14½	135	12·8	150	7·7	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	14½	135	12·8	150	7·7	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	13	118	6·3*	103	4·1*	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	15	...	...	90	8·7	...	...	...	...	...	...	...	...
16	17	...	...	90	12·9	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...
19	15	45	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	14½	120	15·4	...	...	...	...	...	...	...	...	...	...
23	15	104	14·5*	120	10·8	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	15	126	10·3*	120	4·8	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

NOVEMBER, 1934

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

Director

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF NOVEMBER 1934.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force Unit 1 γ	Daily Range† Vertical Force Unit 1 γ
Nov.	° ′			′		
1	12°51·9	.22554	.29664	6·6	31	14
2	51·9	554	662	5·7	33	16
3	52·1	546	665	7·4	45	14
4	51·9	537	663	4·0	30	16
5	52·1	547	662	6·5	35	22
6	52·5	541	663	5·5	17	20
7	52·2	533	668	6·2	90	20
8	51·8	522	673	8·3	45	10
9	52·5	526	668	6·0	27	20
10	52·0	528	667	9·5	21	23
11	52·0	536	668	11·0	46	23
12	52·0	532	670	7·7	22	18
13	52·3	530	672	5·5	40	8
14	52·5	534	671	5·0	31	11
15	52·2	530	670	5·5	27	13
16	52·1	539	670	4·7	30	17
17	52·0	545	667	5·8	26	23
18	51·8	558	670	4·0	37	10
19	51·9	549	669	5·0	30	19
20	51·9	553	672	7·8	25	17
21	51·8	553	674	7·5	13	16
22	52·5	557	675	6·0	10	18
23	51·7	505	673	6·2	27	26
24	52·0	569	675	6·3	44	22
25	52·3	553	680	6·0	82	13
26	51·9	554	681	6·0	12	13
27	52·5	563	682	7·5	12	11
28	52·1	570	685	4·3	21	5
29	52·6	559	687	4·2	21	5
30	52·5	566	687	4·3	27	11
...	...	...	...	...	...	...
Mean	12°52·12	·22547	·29672	6·20	31·9	15·8

Description of the Principal Magnetic Disturbances.

The month was on the whole very quiet.

Declination.—7d. and 8d. minor pulsations at times.

Horizontal Force—5d. Slightly disturbed ; minor pulsations at irregular intervals. 7d. Disturbed ; sudden commencement at $8^h.55^m$.—large positive wave followed by a rapid decrease of total amplitude 90γ with small oscillations superposed ; irregular fluctuations at end. 8d. Slightly disturbed during the second half. 18d. & 19d. Small pulsations at times. 24d. Slightly disturbed ; sudden commencement at 20^h.—large negative wave with small oscillations superposed.

Vertical Force.—5d. Small pulsations at $12^h.15^m$. & $15^h.15^m$. 7d. Slightly disturbed ; small pulsations at $5^h.55^m$, $8^h.50^m$. From 11^h. small oscillations superposed on the general curve—these are more pronounced between 10^h. & 13^h. Sharp positive wave (7γ) between 20^h. and $21^h.30^m$. At $23^h.30^m$, sudden increase of (5γ). 24d. At end and 25d. at beginning, small oscillations on the general curve.

T=·37267 : Mean Dip=52° 46′·25 : (X=·21980 : Y=−·05021 : Z=·29672).
† 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 1934.

Declination (West) Day and Hour	Observed Value	Horizontal Force Day and Hour	Observed Value	Dip (South) Day and Hour	Observed Value	Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
Nov. 13·14·11	12 49·58	Nov. 3·12·40	·22557	Nov. 13·14·30	52 44·75	·29638
16·11·17	12 51·35	6·14·47	·22531	16·11·32	52 44·06	·29643
16·15·03	12 49·27	10·12·10	·22528	16·14·50	52 44·87	·29653
27·14·37	12 48·38	17·11·20	·22508	27·14·20	52 46·17	·29687
30·14·32	12 51·34	20·14·52	·22556	30·14·40	52 46·55	·29697
		23·14·55	.22581			

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

NOVEMBER 1934

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	52·8	52·5	52·7	52·3	52·3	52·0	52·0	52·3	54·0	52·5	52·5	52·5	52·5	52·7	...	526·4	Midnight
1h	52·8	52·7	52·5	52·5	52·5	52·3	52·5	52·5	53·3	52·5	52·5	52·5	52·0	52·7	...	526·1	1h
2	53·0	53·0	52·7	52·7	52·7	52·7	52·7	52·7	54·0	52·7	52·7	52·7	53·5	52·7	...	527·5	2
3	53·0	53·0	53·0	53·0	52·9	53·0	53·0	53·0	54·0	53·0	53·0	53·0	53·3	52·7	...	528·6	3
4	53·2	53·0	52·2	53·5	53·0	53·0	53·2	53·0	54·0	53·0	53·0	53·3	53·5	52·5	...	530·0	4
5	53·3	53·2	53·5	53·5	53·3	53·0	53·3	53·2	54·0	53·3	53·5	53·0	54·0	53·3	...	533·5	5
6	54·5	53·5	54·5	54·0	53·5	53·5	53·2	53·5	54·5	53·0	54·0	54·0	54·7	53·5	...	537·7	6
7	55·3	53·5	53·2	55·3	54·5	54·8	53·0	54·0	54·0	53·5	55·5	54·0	54·7	55·0	...	543·6	7
8	54·5	53·0	53·0	55·0	54·3	55·0	53·5	54·0	53·3	53·7	55·3	53·0	54·7	54·5	...	543·4	8
9	53·0	52·7	52·7	54·0	54·0	55·3	53·0	54·0	53·5	54·0	55·5	53·0	54·0	53·3	...	539·9	9
10	52·5	53·0	52·0	52·5	53·5	55·0	53·0	53·5	53·5	53·7	56·0	53·0	53·5	53·2	...	533·6	10
11	52·0	52·0	51·0	50·7	52·7	54·0	52·0	52·5	52·0	52·0	55·0	53·0	51·7	52·7	...	523·4	11
Noon	51·0	50·5	50·3	49·5	51·0	51·5	49·5	50·5	49·5	50·0	52·0	52·5	50·7	52·0	...	508·9	Noon
13h	50·0	49·5	49·5	48·0	49·0	50·0	47·5	48·7	48·5	48·5	50·0	51·5	50·7	52·0	...	494·8	13h
14	49·5	49·5	49·7	47·5	47·0	49·3	47·3	48·5	48·7	48·0	48·7	50·0	51·0	51·5	...	488·0	14
15	49·5	50·0	50·3	49·0	47·5	49·5	48·5	48·2	49·0	48·7	48·5	49·7	50·7	51·5	...	490·5	15
16	49·5	50·5	51·0	50·5	49·0	50·7	50·0	48·5	50·5	50·0	49·5	50·0	50·5	50·7	...	499·3	16
17	50·0	51·0	52·0	52·0	50·7	51·5	51·0	50·5	52·0	50·7	50·5	50·7	51·0	50·7	...	510·6	17
18	51·0	51·0	51·5	52·5	51·5	52·3	52·5	51·5	52·3	51·5	51·5	51·0	52·0	51·5	...	517·2	18
19	51·3	51·0	52·0	53·5	52·0	52·5	52·3	51·7	52·0	52·3	52·0	51·0	52·0	52·0	...	519·8	19
20	51·5	51·2	51·5	52·3	52·0	52·0	52·0	52·0	52·5	52·5	52·0	51·3	52·5	52·0	...	520·8	20
21	51·5	51·2	51·5	52·0	52·0	52·0	52·0	52·0	52·7	52·5	52·0	51·5	52·7	52·0	...	520·3	21
22	51·7	51·5	51·5	49·7	51·7	52·0	51·7	52·0	52·7	52·7	52·0	51·7	53·0	52·0	...	520·9	22
23	52·0	51·5	51·7	52·0	51·7	52·0	52·0	54·5	52·5	52·5	52·0	52·3	52·5	52·5	...	522·9	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)

NOVEMBER 1934.

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	547	550	545	535	533	538	536	523	520	523	527	521	530	525	530	528	Midnight
1h	548	550	541	537	535	537	537	520	523	530	528	528	538	523	527	530	1h
2	549	550	543	537	540	540	537	520	530	529	530	530	535	526	527	532	2
3	550	550	545	538	538	550	539	528	530	527	531	530	535	528	528	531	3
4	550	545	547	537	537	542	539	532	525	527	531	531	536	530	528	531	4
5	550	545	550	537	537	545	539	525	524	525	532	531	538	529	527	531	5
6	550	548	552	535	540	543	540	523	525	530	536	532	537	527	525	531	6
7	548	546	551	530	543	545	537	518	524	530	540	535	538	531	524	532	7
8	549	553	553	530	550	547	542	517	525	535	542	538	539	532	530	537	8
9	558	562	561	537	558	549	550	518	523	538	545	539	540	533	535	542	9
10	567	567	565	535	562	550	555	525	535	537	549	540	538	541	540	550	10
11	573	565	561	543	563	545	565	535	545	530	552	535	541	550	545	555	11
Noon	575	573	563	553	563	548	580	550	538	527	563	535	543	552	545	558	Noon
13h	576	578	568	557	568	547	570	532	532	528	564	540	547	554	545	557	13h
14	570	570	560	555	563	544	565	530	525	531	555	543	547	550	543	556	14
15	558	562	551	535	559	540	525	505	523	532	540	539	537	540	537	549	15
16	554	555	538	528	557	538	500	510	520	530	537	532	530	533	532	543	16
17	548	548	537	527	546	536	515	512	518	530	530	524	515	529	525	535	17
18	547	545	535	530	545	535	510	513	521	526	525	525	507	527	523	535	18
19	547	547	530	531	550	534	515	517	525	520	522	525	507	530	525	532	19
20	546	550	526	535	539	533	500	527	524	520	523	529	510	530	525	530	20
21	545	552	523	534	535	534	510	520	523	517	519	532	512	532	518	530	21
22	545	547	525	535	533	533	490	514	522	525	521	531	513	525	520	530	22
23	548	545	527	535	534	537	500	517	521	524	518	530	520	527	523	535	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	540	545	547	548	550	560	558	560	580	551	559	568	567	558	...	543·4	Midnight
1h	540	547	545	551	551	560	560	562	589	553	560	571	570	564	...	545·2	1h
2	540	551	550	552	552	562	560	561	590	560	560	572	565	565	...	545·5	2
3	539	553	548	553	553	561	561	561	595	559	559	575	563	565	...	547·4	3
4	540	563	544	554	554	560	562	562	591	557	560	575	563	566	...	547·3	4
5	540	555	548	554	553	561	561	562	597	555	558	575	562	562	...	546·9	5
6	541	553	553	555	557	561	561	562	597	558	563	572	560	562	...	547·6	6
7	542	555	545	555	558	561	566	562	552	555	565	575	557	565	...	546·2	7
8	548	557	547	552	560	560	568	561	543	553	567	587	559	572	...	548·1	8
9	550	560	548	555	555	561	566	565	545	555	564	579	560	578	...	551·0	9
10	552	570	557	565	552	561	565	570	552	555	568	577	567	585	...	555·1	10
11	553	580	570	566	552	555	567	587	554	560	570	576	562	580	...	557·8	11
Noon	555	582	570	567	551	553	575	590	556	555	567	571	558	573	..	559·6	Noon
13h	562	580	562	564	548	552	583	591	550	548	561	564	560	565	...	558·4	13h
14	562	573	555	562	547	553	582	590	550	549	560	562	561	563	...	555·9	14
15	553	567	549	555	549	555	577	585	535	550	558	558	557	561	...	548·0	15
16	547	557	550	552	550	555	573	575	526	549	560	560	551	560	...	543·4	16
17	544	551	545	550	550	557	565	567	517	551	561	565	549	563	...	540·3	17
18	540	550	541	549	551	556	558	565	515	550	560	565	550	563	...	538·7	18
19	536	550	540	543	552	555	558	568	515	551	562	567	559	563	...	539·2	19
20	537	550	541	542	553	554	558	575	527	551	562	570	560	562	...	539·6	20
21	539	549	541	543	553	553	556	560	527	553	563	568	553	562	...	538·5	21
22	540	547	543	548	556	553	557	560	532	553	566	569	550	565	...	538·3	22
23	542	545	545	547	557	554	557	547	542	553	565	566	553	567	...	539·4	23

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

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

NOVEMBER, 1934

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour
	·29000+(C.G.S. UNIT.)																
Midnight	665	663	665	666	666	665	665	675	672	671	671	674	673	675	673	673	Midnight
1h	666	664	666	665	667	666	665	671	672	670	671	673	672	675	674	673	1h
2	666	665	666	665	667	667	666	671	671	670	671	672	672	676	674	673	2
3	666	666	667	666	667	665	666	671	670	671	670	672	672	675	674	673	3
4	666	667	668	667	668	667	667	670	672	671	670	672	671	674	674	674	4
5	666	668	668	667	668	667	667	673	673	672	671	672	671	674	674	674	5
6	667	668	669	668	670	669	668	674	675	673	671	672	672	673	675	674	6
7	670	669	671	670	672	670	671	677	675	675	673	673	673	671	675	673	7
8	668	666	670	665	669	671	673	676	675	675	675	676	673	671	673	673	8
9	660	662	667	663	661	668	675	672	672	670	674	677	674	671	671	673	9
10	656	661	662	661	658	665	675	675	670	669	668	676	674	671	669	671	10
11	658	656	662	656	652	661	670	671	666	668	664	671	673	672	668	664	11
Noon	660	654	660	654	651	657	661	667	660	665	657	665	672	670	665	658	Noon
13h	660	653	657	654	650	653	655	667	655	658	653	660	669	665	664	657	13h
14	660	654	659	657	651	651	657	670	657	652	652	659	666	666	662	662	14
15	662	656	662	660	657	651	660	676	659	655	655	660	666	668	664	666	15
16	667	660	663	662	659	652	666	677	661	659	662	663	667	671	665	670	16
17	668	664	665	663	661	657	668	675	667	663	668	667	670	672	668	671	17
18	667	664	666	664	662	660	668	674	668	665	670	671	671	671	669	672	18
19	665	665	666	665	662	662	669	674	668	667	669	671	672	670	670	671	19
20	664	663	666	665	664	664	673	673	669	669	670	670	672	670	671	671	20
21	663	663	666	665	665	665	675	673	670	669	671	670	673	670	671	671	21
22	663	662	667	665	667	665	674	675	671	670	672	671	673	671	672	671	22
23	663	662	667	665	665	665	674	674	671	671	673	672	673	671	672	671	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. \ Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	672	671	671	674	675	677	677	679	683	683	685	686	687	689	...	674·0	Midnight
1h	672	671	671	674	675	677	677	678	681	682	685	686	686	689	...	673·8	1h
2	673	671	671	674	675	677	677	678	682	681	685	686	689	689	...	674·0	2
3	673	671	672	675	675	676	677	678	681	681	685	686	689	690	...	674·0	3
4	674	671	673	676	675	677	677	677	681	681	685	686	689	690	...	674·3	4
5	675	672	674	676	676	678	677	678	681	682	685	685	688	691	...	674·8	5
6	676	672	675	677	677	680	678	679	681	680	685	685	690	692	...	675·5	6
7	676	672	674	679	680	683	679	681	679	681	685	684	690	694	...	676·5	7
8	670	671	674	678	680	682	681	682	681	682	684	683	690	691	...	675·9	8
9	665	671	672	673	679	681	680	681	682	684	683	684	688	690	...	674·1	9
10	662	670	669	669	677	681	675	676	681	686	685	687	689	690	...	672·6	10
11	658	666	661	666	676	676	666	671	677	685	684	686	687	685	...	669·2	11
Noon	655	663	656	663	670	670	656	667	672	680	681	686	685	684	...	665·5	Noon
13h	653	662	657	662	667	667	655	664	672	676	677	683	686	683	...	663·1	13h
14	654	665	660	665	664	665	657	661	673	674	675	682	685	683	...	663·3	14
15	656	668	664	668	667	665	660	663	675	673	674	684	686	683	...	665·4	15
16	660	670	666	671	670	668	667	667	681	675	675	685	687	684	...	668·3	16
17	663	672	667	672	673	670	671	672	684	679	677	684	687	683	...	670·7	17
18	668	671	668	673	675	671	674	675	684	680	680	683	685	684	...	671·8	18
19	670	671	670	674	676	672	675	674	683	681	681	683	685	685	...	672·2	19
20	670	671	670	674	676	674	676	675	683	681	681	684	685	684	...	672·6	20
21	670	671	670	674	676	675	676	675	684	682	682	685	686	685	...	673·0	21
22	670	670	670	674	676	677	677	677	685	683	683	685	689	686	...	673·7	22
23	670	670	670	674	676	677	678	683	685	683	684	687	688	687	...	674·0	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of NOVEMBER 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
Nov.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	967·2	21·7	3·8	15·0	66	16·9	90	5·4	7	15·4	19·4	20·5	17·5	23·1	16·4	6·7	0·2	4·1	32
2	966·2	18·9	1·0	17·1	89	19·3	80	4·5	9	17·0	19·5	21·5	19·5	23·6	16·3	7·3	3·3	6·8	53
3	968·0	21·7	1·8	18·5	82	21·1	80	7·6	10	18·2	20·1	22·0	19·6	24·2	17·3	6·9	2·6	5·3	41
4	969·2	22·7	2·9	17·6	73	19·9	90	9·8	6	19·2	20·5	21·8	19·0	23·6	18·3	5·3	0·0	5·0	39
5	968·2	21·8	2·7	17·0	74	19·2	120	4·0	7	18·5	20·0	22·7	18·7	23·9	17·3	6·6	0·0	4·4	34
6	967·5	22·9	4·0	15·8	64	17·8	80	5·4	6	18·3	21·3	22·5	18·7	25·2	16·3	8·9	0·0	7·8	60
7	968·0	22·9	3·9	16·1	65	18·1	90	4·9	7	17·5	21·0	22·3	18·6	25·0	16·8	8·2	0·0	5·8	45
8	970·3	23·3	4·0	16·4	65	18·5	95	4·5	6	18·0	20·3	23·2	18·7	25·2	17·3	7·9	0·0	9·6	74
9	968·6	22·9	4·5	15·0	61	16·9	75	4·9	8	17·0	19·9	23·1	18·0	25·3	15·8	9·5	0·0	7·4	57
10	967·9	23·7	5·4	14·3	56	16·2	50	2·7	7	17·3	23·6	23·0	18·5	25·6	15·8	9·8	0·0	5·4	42
11	967·0	23·9	5·0	15·2	58	17·1	15	0·9	8	17·7	21·0	22·5	17·5	24·9	15·7	9·2	0·2	5·2	40
12	964·9	24·5	5·0	15·9	59	17·9	35	4·5	1	16·8	26·0	23·8	19·6	26·0	15·3	10·7	0·0	6·7	52
13	966·1	24·7	4·9	16·3	60	18·4	290	1·8	4	16·6	22·0	25·7	19·5	26·7	14·6	12·1	0·0	11·9	92
14	967·7	25·4	5·1	16·7	59	18·8	240	0·9	6	16·9	23·5	25·0	20·0	27·2	15·0	12·2	0·0	5·3	41
15	968·2	23·1	2·9	18·1	74	20·6	100	5·4	6	18·3	20·5	22·6	19·0	24·1	17·4	6·7	0·7	1·2	9
16	966·7	22·1	4·3	14·6	63	16·5	80	5·8	9	18·5	20·7	22·0	20·0	24·6	17·8	6·8	4·9	5·7	44
17	965·8	23·9	4·0	17·0	65	19·2	35	7·2	3	19·5	21·2	24·6	21·5	25·9	18·4	7·5	3·7	10·3	79
18	966·1	24·9	3·6	18·7	69	21·4	50	4·9	6	18·0	21·3	25·1	21·0	26·6	17·3	9·3	0·0	6·9	53
19	967·4	20·9	0·9	19·3	90	22·2	95	6·7	10	18·5	18·3	23·0	20·1	24·9	17·6	7·3	40·0	2·1	16
20	967·6	23·5	3·1	18·1	72	20·6	80	0·9	9	19·0	22·1	23·5	19·5	25·7	18·1	7·6	1·4	3·5	27
21	967·7	23·8	3·6	17·5	68	19·8	80	2·2	8	17·7	22·3	23·4	19·0	25·0	16·9	8·1	0·0	6·8	52
22	967·4	26·2	6·7	14·9	50	16·8	Calm		8	17·6	22·9	20·5	19·0	25·3	15·9	9·4	3·6	2·6	20
23	966·4	23·4	2·9	18·4	74	21·0	60	5·8	9	...	...	22·5	20·1	24·9	17·5	7·4	38·5	4·8	37
24	965·7	23·3	2·5	19·0	77	21·8	40	4·9	10	19·6	22·3	20·2	19·1	23·9	18·3	5·6	0·0	2·0	15
25	965·4	24·2	3·0	19·0	73	21·8	330	1·8	7	19·0	20·6	23·3	21·1	25·0	17·9	7·1	34·8	5·2	40
26	965·5	23·9	2·5	19·6	77	22·6	270	0·5	10	17·5	21·6	22·8	20·4	26·6	16·3	10·3	6·1	3·8	29
27	966·0	25·4	4·1	18·4	65	21·0	70	1·3	7	18·3	18·9	21·3	20·0	26·2	17·6	8·6	1·4	4·5	34
28	967·3	24·4	3·0	19·2	73	22·0	80	1·8	10	18·9	17·5	22·5	20·2	26·0	18·2	7·8	46·3	5·2	39
29	969·7	25·3	4·0	18·5	66	21·1	80	4·9	9	20·0	22·5	24·0	20·7	25·5	19·3	6·2	14·8	10·1	77
30	970·9	22·9	1·6	21·7	93	25·7	105	5·4	9	20·0	20·3	23·0	19·9	23·9	19·2	4·7	7·9	6·7	51
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	967·3	23·4	3·5	17·3	69·3	19·6	° ...	4·2	7	17·5	20·1	22·8	19·4	25·1	17·1	8·0	210·4	5·74	44·1
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	42·0mbs.	Amount of rain	—	40·5mms.
Temperature of the Air	+	2·6°C	Duration of sunshine	+	50·3hrs
Vapour Pressure	+	1·8mbs	Mean of maximum temperatures	+	3·4°C
Relative Humidity	—	5·0%	,, minimum temperatures	+	2·7°C
Velocity of Wind		0·0mps.	Absolute maximum temperature	+	2·4°C
Amount of Cloud	—	0·4	,, minimum temperature	+	1·7°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1934.

Month and Day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
NOV.	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	1008·7	− 1·7	25·9	16·3	9·6	21·4	− 1·5	3·2	15·7	− 1·2	70	0	17·7	12·9	0·0	...	6·8	7·0
2	1008·3	− 2·1	20·6	19·8	6·8	22·7	− 0·3	2·7	18·0	− 0·9	75	+ 6	20·4	17·4	1·1	25	3·9	8·4
3	1009·5	− 0·9	26·7	20·7	6·0	23·3	+ 0·3	2·2	19·5	+ 2·4	79	+ 10	22·4	18·9	2·8	107	5·9	8·7
4	1011·1	+ 0·8	27·0	21·3	5·7	23·5	+ 0·4	2·8	18·6	+ 1·4	74	+ 5	21·2	20·2	0·0	...	6·5	7·8
5	1009·6	− 0·7	26·1	20·2	5·9	22·7	− 0·4	2·5	18·3	+ 1·1	76	+ 7	20·8	17·8	0·0	...	5·4	7·8
6	1009·1	− 1·1	27·2	20·6	6·6	23·4	+ 0·2	3·4	17·5	+ 0·2	69	0	19·8	18·2	0·0	...	7·2	6·5
7	1009·8	− 0·4	27·1	19·6	7·5	22·5	− 0·8	3·4	16·5	− 0·9	69	0	18·6	16·0	0·0	...	6·1	5·1
8	1011·2	+ 1·1	27·3	19·3	8·0	22·8	− 0·5	3·4	16·8	− 0·6	69	0	18·9	18·8	0·0	...	6·8	4·8
9	1011·0	+ 1·0	27·0	18·3	8·7	22·3	− 1·1	3·4	16·3	− 1·2	69	0	18·4	14·3	0·0	...	6·9	4·6
10	1009·6	− 0·4	28·0	19·0	9·0	23·2	− 0·2	3·9	16·4	− 1·1	66	− 3	18·5	15·0	0·0	...	6·5	5·7
11	1008·3	− 1·6	27·2	18·2	9·0	22·7	− 0·8	3·7	16·2	− 1·4	67	− 2	18·2	16·0	0·0	...	4·8	5·6
12	1006·6	− 3·3	29·6	17·3	12·3	23·2	− 0·3	3·3	17·5	+ 0·1	70	+ 1	19·8	12·8	0·0	...	6·9	2·8
13	1007·7	− 2·2	28·1	17·8	10·3	23·4	− 0·2	3·1	18·0	+ 0·5	72	+ 3	20·4	15·1	0·0	...	6·4	2·9
14	1008·9	− 0·9	29·6	18·5	11·1	24·2	+ 0·6	3·6	18·0	+ 0·5	68	− 1	20·4	15·3	0·0	...	7·7	4·2
15	1009·6	− 0·2	25·8	19·7	6·1	22·6	− 1·1	1·9	19·3	+ 1·7	82	+ 13	22·2	17·3	3·2	70	2·4	8·0
16	1008·2	− 1·6	27·3	20·9	6·4	23·7	0·0	2·4	19·5	+ 1·9	77	+ 8	22·4	17·0	2·8	66	6·6	7·7
17	1007·6	− 2·1	28·9	21·2	7·7	24·8	+ 1·0	2·8	20·0	+ 2·3	75	+ 6	23·2	20·4	0·0	...	6·8	6·3
18	1008·0	− 1·7	29·1	20·5	9·4	24·2	+ 0·4	2·4	20·1	+ 2·4	78	+ 9	23·3	19·2	0·0	...	2·8	7·2
19	1008·8	− 0·8	27·0	19·9	7·1	23·0	− 0·9	1·6	20·2	+ 2·2	83	+ 14	23·2	16·8	28·0	120	5·1	8·8
20	1008·8	− 0·7	28·3	20·1	8·2	23·6	− 0·4	3·4	19·4	+ 1·4	77	+ 8	22·3	17·0	0·0	...	4·4	5·2
21	1008·8	− 0·6	28·3	19·0	9·3	23·4	− 0·6	2·9	18·4	+ 0·2	74	+ 4	21·0	16·4	0·0	...	6·8	2·7
22	1008·9	− 0·4	26·0	19·0	7·0	21·9	− 2·1	1·5	19·2	+ 1·0	85	+ 15	22·0	17·1	98·3	145	6·0	5·5
23	1008·1	− 1·1	27·0	19·7	7·3	23·5	− 0·6	2·4	19·3	+ 1·0	77	+ 7	22·2	19·3	0·1	2	5·7	6·9
24	1007·2	− 1·9	27·0	21·0	6·0	23·2	− 1·0	1·5	20·6	+ 2·2	85	+ 15	24·0	19·0	13·9	95	3·3	6·8
25	1006·3	− 2·7	28·7	21·2	7·5	23·9	− 0·3	1·6	21·1	+ 2·7	84	+ 14	24·8	18·8	16·0	120	5·5	7·7
26	1006·8	− 2·0	29·3	19·6	9·7	23·6	− 0·7	1·7	20·6	+ 2·1	83	+ 13	24·0	17·9	2·1	25	3·9	5·5
27	1007·5	− 1·2	28·8	19·6	9·2	24·2	− 0·2	2·6	20·1	+ 1·5	78	+ 8	23·3	18·0	0·0	...	5·8	2·1
28	1008·9	+ 0·2	29·0	21·1	7·9	24·7	+ 0·2	2·5	20·4	+ 1·7	77	+ 7	23·7	19·6	0·0	...	5·1	7·1
29	1011·1	+ 2·6	29·3	23·0	6·3	25·1	+ 0·6	2·8	20·3	+ 1·6	75	+ 5	23·6	20·8	0·3	5	7·3	6·5
30	1012·5	+ 4·1	28·4	22·3	6·1	24·4	− 0·2	2·6	19·9	+ 1·0	76	+ 6	23·0	20·0	1·3	15	5·7	5·0
...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1008·9	− 0·7	27·7	19·8	7·9	23·4	− 0·3	2·7	18·7	+ 0·9	75·3	+ 5·9	21·4	17·4	Sum 169·9	Sum 797	5·7	6·1
Aver.	1009·6	...	28·4	19·6	8·8	23·7	...	3·4	17·8	...	69·4	...	20·2	16·7	44·6	716	6·7	5·0
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF NOVEMBER 1934.

On the 1st a shallow depression existed at a great distance off the NE of Rodrigues. This moved slowly in a westerly direction and on the 7th it was centred North of Mauritius and just South of Latitude 10°. At Mauritius no great fall of pressure occurred, there was even a positive oscillation on the 4th.

From the 11th to the 14th a V—shaped depression developed northwards; from this a closed system was formed which moved South—Easterly and passed at some distance South of Mauritius on the following days A very rapid and important increase in humidity occurred at this time and some important showers were registered on the 19th.

Another V—shaped depression developed between the 22nd and 26th. On the 22nd precipitation of remarkable intensity occurred amounting to 60mms. in 1 hour and, on the whole, 98mms. in two and a half hours.

Temperature was generally below normal during the month, a rather notable fall occurring on the 22nd.

Relative Humidity was largely in excess during the second half of the month and the monthly Rainfall at the Observatory amounted nearly four times the average.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1934.

Month and Day 1934.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather (0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h)
NOVEMBER	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	6·9	54	3·2	− 0·2	24·0	23·5	23·5	23·4	b : bc : c : bc : c : bc .
2	6·5	51	3·9	+ 0·5	23·9	23·4	23·5	23·8	c ; bc : c : cr_0r_0 .
3	7·6	59	4·8	+ 1·4	23·9	23·4	23·6	23·8	or_0r_0 : c .
4	5·9	46	4·9	+ 1·5	24·0	23·5	23·7	24·2	c : bc ; c : bc .
5	4·3	33	3·4	0·0	24·1	23·7	23·9	24·5	bc : c : bc .
6	9·1	71	4·0	+ 0·6	24·0	23·5	24·0	24·4	bc : c .
7	7·6	59	3·2	− 0·2	23·9	23·4	24·0	24·7	bc : c : bc : b .
8	9·5	74	3·4	0·0	24·1	23·7	24·1	24·7	b : c : bc : b .
9	9·7	75	3·2	− 0·2	24·0	23·6	24·2	24·8	b : bc : c : bc : c : b .
10	10·1	78	2·3	− 1·2	24·1	23·6	24·3	25·1	b : bc : c .
11	4·6	36	2·0	− 1·5	24·1	23·6	24·4	25·2	c : bc : b .
12	11·0	85	2·5	− 1·0	24·1	23·8	24·5	25·1	b : bc : b .
13	11·9	92	2·3	− 1·2	24·0	23·6	24·6	25·3	b : bc : b .
14	11·4	88	2·1	− 1·4	24·1	23·7	24·8	25·7	b_0 : b : bc : b : bc : c . bc .
15	0·0	00	2·2	− 1·3	24·1	23·8	25·0	26·2	b : bc c : o : c : orr .
16	7·3	56	4·2	+ 0·7	24·1	23·8	25·1	25·9	crr : bc : c : or_0r_0 .
17	10·6	82	3·5	0·0	24·2	24·0	25·2	25·9	bc : b .
18	5·8	44	3·3	− 0·1	24·1	23·9	25·3	26·0	b : bc : c : o .
19	4·7	36	3·1	− 0·3	24·2	24·1	25·3	26·1	oRRtsm : o : c : bc : c .
20	4·0	31	2·2	+ 1·2	24·2	24·1	25·3	26·0	bc : c : bc : b .
21	9·7	74	2·7	+ 0·7	24·1	24·0	25·4	25·9	b : bc : b .
22	4·1	31	2·0	+ 1·4	24·0	24·1	25·4	25·3	b : bc : oRR : o : bc : b .
23	4·3	33	3·1	− 0·3	24·2	24·1	25·3	24·5	c : bc : c ; bc : bcd_0 .
24	2·7	21	3·5	+ 0·1	24·1	24·3	25·1	25·0	bc : c : o : crr ; bc r_0 r_0 .
25	4·8	37	2·0	− 1·4	24·1	24·4	25·1	25·0	cRR : orr : c .
26	6·4	49	1·5	− 1·9	24·1	24·2	25·1	25·3	bc : c : bc : c r_0 r_0 : bc ; b .
27	11·6	89	2·5	− 0·9	24·2	23·9	25·2	25·6	b : bc : b .
28	8·4	64	2·8	− 0·6	24·2	24·2	25·3	26·2	b : bc : c . o .
29	11·5	87	4·6	+ 1·3	24·0	24·3	25·5	26·4	c : cr_0 : bc .
30	10·4	79	4·8	+ 1·5	24·1	24·4	25·7	26·6	bc : bcr_0r_0 : bc : b : bc .
...	...	...	...	...	...	...	...	...	.....
Mean	7·41	57·1	3·11	−0·31	24·08	23·85	24·71	25·21	.....
Average	8·80	67·7	3·42	...	24·40	24·70	25·45	26·07	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF NOVEMBER 1934.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1013·8mbs	at 23.00hrs.	on 30th	1004·6mbs	at 15.00hrs.	on 12th
Temperature of the Air	29·6°C	...	on 12th & 14th	16·3°C	at 04h.30	on 1st
Daily range of temperature of the Air ...	12·3°C	...	on 12th	5·7°C	..	on 4th
Temperature of the Dew Point	22·7°C	at 12.00hrs.	on 26th	14·0°C	at 04.00hrs.	on 1st
Daily range of temperature of the Dew Point	4·6°C	...	on 26th	1·7°C	...	on 5th
Minimum on Grass	...	...	...	12·8°C	...	on 12th
Relative humidity	100%	at 05.00hrs.	on 17th	47·3%	at 17.00hrs	on 10th
Vapour Pressure	27·3mbs.	at 12.00hrs.	on 26th	15·3mbs.	at 04.00hrs.	on 1st
Wind Velocity	7·9m.p.s.	at 12.00hrs.	on 4th	0·6mps	...	often
Rainfall in 24 hours	98·3mms.	ending 15.00hrs	on 22nd	...	...	...
Evaporation in 24 hours...	7·7mms	...	on 14th	2·4mms	...	on 15th
Duration of sunshine	11·9hrs	...	on 13th	0·0hr.	...	on 15th

Mean Day Temperature of Air, 25·41°C. Average 26·34°C. Mean Night Temperature of Air, 21·34°C. Average 21·30°C.

NUMBER OF DAYS OF—

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

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

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

NOVEMBER 1934.

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	102	090	091	115	117	108	101	116	127	111	101	081	078	091	100	100	Midnight
1h	096	079	083	110	106	100	098	109	120	108	100	075	072	089	097	091	1h
2	093	071	077	102	095	093	093	102	118	101	092	070	065	081	091	087	2
3	088	071	074	096	091	090	091	101	111	098	091	064	061	080	088	080	3
4	086	071	074	093	090	089	090	100	111	096	089	061	061	080	087	080	4
5	088	070	078	100	093	089	091	105	114	096	090	065	065	080	089	080	5
6	090	072	088	105	100	090	095	110	118	101	090	069	070	085	092	081	6
7	094	074	098	113	102	091	099	115	120	102	090	071	077	090	099	088	7
8	099	080	100	119	101	092	100	120	119	100	088	073	083	093	101	088	8
9	100	084	100	122	101	098	100	120	119	100	088	071	086	093	104	095	9
10	096	085	100	121	100	094	100	118	113	098	084	065	084	092	101	089	10
11	090	081	099	120	096	091	100	112	111	094	081	061	081	091	100	081	11
Noon	081	077	096	113	091	090	098	110	106	090	074	058	075	089	097	080	Noon
13h	074	071	090	106	084	086	090	106	099	086	070	054	073	081	091	080	13h
14	069	069	089	100	080	080	084	100	096	080	069	049	071	080	090	071	14
15	067	063	084	098	080	076	082	098	091	077	064	046	068	080	088	069	15
16	068	066	081	099	080	076	084	098	091	079	061	049	070	081	085	066	16
17	069	070	087	102	086	079	088	103	093	081	067	053	071	089	090	070	17
18	079	078	096	111	091	082	096	110	100	090	072	060	079	093	092	073	18
19	088	085	109	117	100	091	103	119	110	097	080	069	086	099	101	080	19
20	091	094	115	120	107	099	110	123	115	102	085	075	090	100	106	081	20
21	098	098	119	121	109	101	115	129	119	108	090	079	092	102	106	088	21
22	099	100	119	126	110	107	119	130	119	110	091	080	095	108	110	091	22
23	098	096	117	123	110	106	119	129	117	109	089	080	094	104	106	090	23

The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. / Hour
Midnight	083	088	091	091	096	099	094	082	074	070	079	083	105	126	...	1009·6	Midnight
1h	072	081	087	087	087	091	090	078	069	061	077	080	100	120	...	1009·0	1h
2	061	073	084	081	082	087	080	071	064	058	071	079	098	118	...	1008·5	2
3	061	069	083	078	080	080	079	069	061	057	066	078	098	117	...	1008·2	3
4	065	066	089	080	080	080	079	070	060	057	065	080	100	120	...	1008·2	4
5	063	069	086	081	083	080	079	069	063	059	070	081	102	120	...	1008·3	5
6	070	071	081	086	089	081	080	074	069	060	072	088	108	125	...	1008·7	6
7	077	080	091	092	092	090	081	077	070	070	078	091	110	130	...	1009·2	7
8	081	080	093	098	097	091	086	079	072	073	080	095	110	131	...	1009·4	8
9	083	081	091	098	099	094	088	078	070	072	080	096	112	130	...	1009·5	9
10	080	080	090	092	096	093	087	076	068	072	080	096	115	129	...	1009·3	10
11	075	080	090	091	090	092	082	072	061	070	076	091	114	128	...	1009·0	11
Noon	076	077	092	090	087	091	080	070	060	068	070	088	110	123	...	1008·7	Noon
13h	073	071	090	081	081	090	079	067	058	062	067	080	108	120	...	1008·2	13h
14	070	070	081	080	077	087	077	061	056	060	062	076	104	116	..	1007·8	14
15	068	069	077	079	075	082	071	059	050	059	063	074	104	111	...	1007·6	15
16	066	070	076	079	072	079	070	059	048	060	065	076	104	111	...	1007·6	16
17	066	075	080	081	075	080	070	065	051	066	070	081	110	119	...	1008·0	17
18	071	079	082	087	081	082	072	069	058	070	073	090	116	122	...	1008·5	18
19	080	088	089	090	090	090	078	071	061	077	076	096	120	120	...	1009·2	19
20	088	094	096	096	094	092	080	076	069	080	080	100	123	131	...	1009·7	20
21	092	099	096	098	099	097	089	078	070	082	090	106	129	137	...	1010·5	21
22	095	100	098	099	101	100	091	080	071	083	093	110	131	140	...	1010·4	22
23	093	100	096	099	101	100	090	079	073	081	090	110	130	138	...	1010·2	23

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

Hour \ Day.	November 1934.																															
	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	7	7	10	6	6	8	3	2	1	10	10	2	1	3	10	7	3	10	9	2	0	0	5	3	10	1	1	9	7	10	...	5·1
1h	2	7	10	9	6	4	4	2	1	2	10	1	1	0	1	8	7	2	10	8	0	1	8	6	4	4	1	1	8	5	...	4·4
2	2	8	10	9	6	5	4	3	1	3	9	0	1	0	1	8	6	1	10	7	0	2	8	6	7	2	1	2	8	6	...	4·5
3	3	9	10	8	5	5	7	3	2	3	9	0	1	0	2	5	5	1	10	7	0	2	8	7	9	1	1	2	8	5	...	4·6
4	3	9	10	8	4	8	8	3	2	4	10	1	1	1	3	4	9	2	10	6	1	2	7	7	9	1	1	3	8	5	...	5·0
5	4	9	10	6	4	7	7	9	4	6	10	1	1	1	8	4	4	4	10	4	1	2	6	5	10	2	2	3	8	7	...	5·3
6	9	8	10	9	9	4	4	9	5	8	9	1	2	4	9	9	6	7	10	6	2	2	5	5	10	8	1	5	8	8	...	6·4
7	8	9	10	9	9	5	6	9	9	6	8	2	3	6	9	9	9	7	10	7	2	4	8	5	10	8	2	7	9	7	...	7·1
8	8	9	8	8	8	6	6	8	8	5	6	3	4	4	9	9	9	6	10	8	5	5	7	6	10	9	3	9	5	7	...	6·9
9	5	10	5	8	8	7	7	7	8	5	7	3	5	2	9	6	7	7	9	8	6	7	7	8	9	6	3	7	6	6	...	6·6
10	7	9	6	7	9	7	8	6	6	5	4	4	5	3	9	7	5	8	9	6	4	8	7	9	7	7	6	8	7	6	...	6·6
11	7	10	7	6	9	7	8	6	6	5	4	3	5	3	10	7	6	8	7	6	4	9	7	9	6	7	5	7	6	6	...	6·5
Noon	7	9	8	8	9	5	7	6	5	4	5	5	5	3	10	7	6	7	6	6	3	10	7	9	6	7	4	6	6	7	...	6·4
13h	8	7	8	7	9	5	7	6	4	5	6	5	5	3	10	7	7	8	6	6	4	10	9	9	5	7	5	8	5	6	...	6·6
14	8	6	8	9	9	5	7	6	4	4	7	6	3	6	10	7	7	9	8	6	5	10	6	10	6	7	5	8	5	5	...	6·7
15	9	6	8	9	9	5	8	6	6	5	8	6	4	8	10	8	7	9	9	6	6	10	7	10	8	8	5	8	5	4	...	7·2
16	9	6	8	9	9	5	8	6	6	5	6	6	4	8	10	8	7	9	9	6	6	10	7	10	8	8	5	9	6	4	...	7·2
17	10	8	8	10	9	8	4	5	8	5	6	5	4	8	8	8	7	9	9	6	4	10	8	8	8	8	4	10	5	3	...	7·1
18	10	9	9	10	9	9	2	4	8	7	3	5	7	8	9	9	7	9	8	4	4	9	8	9	8	9	4	10	5	3	..	7·2
19	10	9	9	5	9	9	2	3	6	8	2	3	4	7	9	9	7	10	9	3	3	6	7	7	7	7	3	10	4	2	...	6·3
20	9	10	10	6	8	9	1	2	2	8	2	1	2	5	9	10	5	10		2	2	4	7	4	6	6	3	10	4	1	...	5·6
21	8	8	10	8	8	9	2	1	1	9	1	0	0	4	10	10	3	10	9	2	2	2	6	2	8	4	2	10	6	0	...	5·2
22	8	8	9	7	7	9	2	1	1	10	1	3	1	6	10	10	5	10	9	2	1	2	5	2	8	2	2	10	8	5	...	5·5
23	7	10	9	6	8	9	2	2	1	9	1	2	0	4	10	10	2	10	9	2	0	2	6	3	10	2	2	10	8	7	...	5·4

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

Hour Ending. \ Day.	November 1934.																															
	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	2	1	0	8	2	13	0	0	0	0	0	0	12	10	5	0	0	20	20	16	0	0	...	1·8
7	5	0	0	1	3	19	50	2	12	43	0	60	58	60	0	10	44	0	0	2	60	60	15	18	0	24	60	60	45	35	...	12·4
8	45	28	15	19	40	40	30	38	0	60	44	60	60	60	0	42	55	42	0	0	40	60	0	45	0	30	60	60	60	50	...	18·0
9	48	26	60	57	45	39	35	55	55	60	60	60	60	60	0	50	50	60	0	25	60	50	31	55	2	26	60	48	60	47	...	22·4
10	60	20	60	52	15	55	35	60	60	60	56	60	60	60	0	60	60	60	0	12	60	10	27	28	60	48	60	60	60	60	...	23·0
11	50	17	60	60	17	60	60	60	60	60	42	60	60	60	0	60	60	60	25	60	60	0	55	13	60	20	60	60	60	60	...	24·0
Noon	46	8	60	60	1	60	50	55	60	60	4	60	60	60	0	32	60	60	60	60	60	5	60	2	60	45	60	60	60	60	...	23·1
13h	39	34	60	60	27	60	60	55	60	54	5	53	60	60	0	7	50	12	55	60	60	0	50	0	55	58	60	60	60	60	...	22·2
14	3	60	60	40	48	60	40	55	60	25	12	55	60	60	0	10	56	8	27	5	17	10	5	0	35	58	60	60	60	33	...	18·0
15	20	56	36	3	24	60	26	48	60	37	0	50	60	60	0	40	56	37	47	5	35	0	0	0	0	0	55	18	60	60	...	15·9
16	20	55	0	5	14	60	0	55	60	22	21	60	50	60	0	55	48	2	30	10	60	22	9	0	3	40	48	0	48	60	...	15·1
17	54	60	20	0	0	30	37	50	60	60	5	56	53	52	0	50	60	7	46	0	60	10	1	0	0	9	35	0	50	35	...	15·0
18	25	24	26	0	24	0	36	35	30	60	27	20	60	20	0	24	35	0	5	0	0	6	0	0	10	7	49	0	60	60	...	10·7
19	0	0	0	0	0	0	0	0	0	5	0	0	10	0	0	0	0	0	0	0	0	0	3	0	0	0	10	0	10	2	...	0·7

The total Amount of Registered Sunshine was 222.4 hrs. and the total possible sunshine was 392·1 hrs.

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

(To obtain temperatures on the Absolute Scale add 273)

NOVEMBER 1934.

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

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

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

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

NOVEMBER 1934.

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

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during NOVEMBER 1934.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

NOVEMBER 1934.

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	11	3·4	11	1·8	12	2·0	09	5·0	09	2·3	09	2·0	10	2·0	11	2·0	10	2·3	09	2·9	11	0·6	10	1·7	r17	1·8	12	1·4	07	1·9	10	3·4
1h	10	2·8	08	3·2	09	2·9	09	4·6	09	2·9	10	2·7	10	1·2	11	2·3	10	1·9	09	2·5	11	1·8	10	2·0	16	1·6	12	1·7	07	1·1	11	3·4
2	11	2·1	09	3·2	09	3·1	09	4·0	09	3·2	10	2·9	10	1·4	11	1·8	10	1·6	09	2·7	10	2·6	10	2·1	12	1·6	12	1·5	11	1·7	10	3·4
3	11	1·9	08	2·6	09	3·8	09	5·1	09	2·2	09	4·0	10	1·7	11	1·6	10	1·8	09	1·8	09	1·3	10	2·2	12	1·2	12	1·7	11	2·1	10	3·6
4	11	1·7	11	2·2	09	4·4	09	4·3	09	2·2	11	3·2	10	1·7	11	2·4	10	1·5	09	2·0	09	1·3	10	2·0	12	1·7	12	1·8	11	1·6	11	3·6
5	11	1·6	08	2·7	09	3·5	09	4·2	09	1·4	10	2·5	10	1·6	11	2·0	10	0·7	09	2·3	09	1·7	10	1·8	12	1·7	12	1·8	11	1·2	10	2·9
6	12	1·5	09	3·1	09	2·3	09	4·2	09	1·0	10	2·0	10	2·0	11	2·5	10	2·5	09	1·7	09	1·9	10	1·8	12	1·9	12	1·8	11	0·8	09	3·7
7	11	2·2	08	4·0	08	3·9	09	5·2	09	1·8	11	2·7	10	3·5	11	3·6	10	2·1	09	2·2	09	2·1	10	2·0	12	1·1	12	0·9	12	1·8	09	3·6
8	09	3·7	08	4·4	09	4·4	09	6·1	09	3·9	11	4·4	11	4·2	11	4·6	09	4·2	08	2·6	05	2·4	05	2·5	d22	1·8	12	0·8	11	1·2	07	4·8
9	09	3·8	07	4·6	07	5·2	10	6·4	09	4·9	09	4·4	09	5·1	11	4·7	07	4·4	07	2·8	04	2·4	04	3·1	25	2·5	d27	1·2	11	4·0	08	4·6
10	07	4·1	07	4·6	07	5·5	10	6·9	10	4·4	08	5·0	09	4·9	10	4·8	10	4·5	07	3·6	05	2·8	04	4·4	25	3·3	28	3·2	13	5·8	06	5·1
11	08	4·9	07	4·5	08	6·3	07	5·4	09	5·2	09	5·4	08	4·4	09	4·6	08	4·4	05	3·9	04	2·9	04	3·8	23	3·4	22	3·9	11	2·1	07	5·0
Noon	06	4·9	06	5·0	07	5·1	08	7·9	08	4·8	08	5·4	10	4·8	07	4·2	09	4·5	06	2·6	05	3·0	32	4·3	23	3·7	22	3·8	09	2·0	06	5·4
13h	08	5·3	08	5·7	06	6·2	07	6·3	08	5·1	08	5·5	12	4·8	09	4·8	09	4·9	04	4·5	07	2·8	01	4·2	26	4·5	25	3·8	r24	2·1	06	5·7
14	07	4·2	06	5·2	08	6·1	09	6·0	08	4·9	09	5·5	09	4·9	11	5·1	09	4·4	03	3·1	07	1·5	32	4·4	24	4·6	25	3·5	25	2·0	05	5·0
15	06	5·0	08	5·3	09	5·9	08	6·3	08	4·6	10	5·2	11	4·8	08	5·1	09	4·4	31	3·5	12	2·2	30	4·2	23	4·6	26	3·4	r13	3·0	06	4·9
16	07	4·5	06	4·2	09	6·2	09	5·2	06	4·5	09	4·8	10	4·5	10	5·2	09	4·0	32	3·0	06	2·7	30	4·3	25	3·4	24	2·6	11	3·5	07	5·3
17	07	4·4	09	4·9	09	6·3	08	4·8	10	3·7	10	5·3	10	4·9	10	4·6	08	4·3	28	2·3	06	2·0	26	2·8	22	2·7	26	1·5	12	2·0	07	5·0
18	09	4·5	07	4·2	10	5·5	08	4·2	09	4·3	10	5·1	12	3·9	10	4·2	10	3·2	29	1·8	07	3·6	26	2·1	24	1·5	d24	2·1	11	1·8	06	4·4
19	09	2·3	08	4·1	09	4·3	08	4·4	10	3·4	10	4·1	12	2·2	10	2·8	10	3·4	29	0·7	07	1·4	26	1·0	25	0·6	05	1·5	11	2·0	08	4·2
20	07	2·2	09	2·6	09	4·8	09	4·1	09	2·4	10	4·4	12	1·9	10	2·0	10	2·8	29	0·6	07	1·1	26	0·8	25	0·9	05	1·1	11	3·1	07	3·7
21	12	3·1	08	3·9	09	4·9	08	3·7	09	2·6	10	4·7	11	1·8	10	1·6	10	2·8	d07	1·8	10	0·6	26	0·6	r16	1·7	06	1·6	12	3·1	07	3·7
22	12	2·3	09	4·1	09	5·2	09	2·8	09	3·2	09	3·5	11	1·8	10	1·8	09	3·6	12	1·4	10	2·1	26	1·0	15	1·9	07	1·6	08	2·9	06	3·4
23	11	1·7	11	2·8	09	5·1	09	3·0	09	2·7	09	2·0	11	2·2	10	2·4	09	2·4	13	1·1	10	1·6	26	1·3	15	1·7	07	1·7	09	2·4	08	4·0

Hour \ Day	17d. * Dir.	17d. * Vel.	18d. Dir.	18d. Vel.	19d. * Dir.	19d. * Vel.	20d. Dir.	20d. Vel.	21d. Dir.	21d. Vel.	22d. Dir.	22d. Vel.	23d. Dir.	23d. Vel.	24d. Dir.	24d. Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. Dir.	27d. Vel.	28d. Dir.	28d. Vel.	29d. Dir.	29d. Vel.	30d. Dir.	30d. Vel.	31d. Dir.	31d. Vel.	Mean Velocity
Midnight	07	2·4	11	1·4	12	3·4	09	1·0	09	1·7	10	1·7	07	1·6	05	2·2	10	1·9	14	1·8	12	1·4	08	1·2	09	3·1	09	4·2	...	...	2·2
1h	07	3·3	11	1·2	13	2·3	09	1·1	09	1·2	10	0·7	07	1·8	05	2·1	10	1·7	11	1·6	12	1·5	08	1·3	09	3·2	09	4·1	...	...	2·2
2	07	2·8	11	1·7	19	2·4	09	1·2	10	1·3	10	0·7	07	1·9	07	1·9	10	1·2	11	1·1	12	1·3	09	1·3	09	3·1	10	3·5	...	...	2·1
3	07	1·9	11	1·7	14	0·8	09	1·1	10	1·1	10	0·7	07	1·5	06	2·6	10	1·1	11	1·2	12	1·7	09	1·5	09	3·0	11	3·3	...	...	2·1
4	06	2·3	11	2·9	14	1·8	09	1·2	10	1·5	10	1·1	07	1·6	07	2·3	10	0·8	11	1·4	12	1·9	09	1·3	09	2·8	10	3·4	...	...	2·1
5	06	2·3	10	3·0	14	3·1	09	1·1	10	1·7	10	1·0	07	1·9	07	1·2	d18	1·3	11	1·6	12	1·8	09	1·8	09	3·6	09	2·8	..	...	2·1
6	06	2·6	10	1·9	08	3·5	09	1·7	10	1·1	10	1·6	08	1·9	07	2·3	13	1·9	11	1·2	12	1·6	09	1·4	09	4·0	09	3·7	...	...	2·2
7	05	2·9	06	3·5	08	4·7	09	1·8	10	2·2	11	2·1	09	2·2	05	4·3	10	0·8	11	0·6	12	1·9	09	2·5	09	4·3	10	4·5	..	...	2·7
8	03	4·9	05	5·5	09	4·5	10	1·6	08	2·8	11	2·9	08	3·2	06	4·8	14	1·1	11	0·6	10	2·9	08	2·7	09	4·6	09	2·9	...	...	3·4
9	02	5·2	06	5·0	07	5·2	07	2·9	07	3·6	10	3·5	07	4·0	03	5·4	11	1·8	05	0·8	09	2·4	06	3·1	07	4·8	08	5·5	...	...	3·9
10	02	6·7	06	5·3	07	5·2	07	3·5	07	4·5	12	2·0	07	4·0	02	4·8	r01	3·3	31	1·5	09	3·7	07	3·1	07	4·7	11	5·8	...	...	4·2
11	02	6·9	05	5·2	06	5·0	07	4·2	07	4·4	12	2·8	08	5·2	04	6·5	01	4·2	31	1·7	06	3·3	07	3·9	08	4·8	09	6·3	...	...	4·5
Noon	02	5·8	06	4·9	07	4·1	06	4·3	07	4·9	14	3·5	06	5·3	01	5·6	28	2·5	25	3·8	05	4·0	06	4·1	09	5·0	09	5·6	...	...	4·5
13h	03	6·2	07	4·8	06	4·1	08	4·0	07	3·7	11	4·3	05	4·9	01	5·7	28	4·2	31	3·0	05	3·6	05	4·0	09	5·5	09	6·4	...	...	4·7
14	01	5·7	06	4·4	08	4·4	07	2·2	09	4·1	06	1·9	04	4·6	32	5·2	28	4·0	05	2·1	05	4·1	05	4·1	09	5·9	10	6·3	..	...	4·3
15	01	4·7	06	3·4	05	3·7	06	2·8	11	3·5	07	1·8	05	4·3	32	4·2	25	2·9	06	2·4	06	4·4	06	4·1	09	6·2	09	6·2	...	...	4·2
16	28	4·9	06	3·0	07	3·8	07	3·4	11	3·5	07	2·4	06	3·8	02	2·9	29	3·1	05	1·6	04	3·6	07	3·5	09	6·4	11	6·4	...	...	4·0
17	02	3·2	07	2·9	06	3·9	07	2·8	10	3·8	06	3·1	07	3·5	r15	2·0	32	2·6	05	0·8	07	2·9	06	2·8	09	6·5	10	6·1	..	...	3·6
18	01	3·1	07	1·4	07	2·0	07	3·3	09	3·9	07	2·2	05	3·9	11	1·6	30	1·2	05	1·4	07	2·4	10	2·8	12	5·6	09	6·0	...	...	3·2
19	01	2·1	08	3·5	07	1·4	07	1·8	09	2·2	07	2·1	05	3·1	11	2·3	29	0·6	32	0·8	07	1·6	12	2·5	10	5·3	10	5·7	...	...	2·6
20	05	1·2	10	1·9	07	1·4	07	1·6	10	1·9	07	1·5	06	2·5	09	3·1	29	0·6	04	0·8	08	2·1	10	3·4	09	5·5	10	6·6	...	...	2·4
21	05	1·0	11	3·0	07	1·4	09	1·7	10	1·5	07	1·7	06	2·9	09	3·0	28	0·9	09	0·9	08	2·0	09	3·5	09	4·4	09	4·6	...	...	2·5
22	05	1·1	11	2·7	07	1·8	09	1·3	10	1·9	07	1·7	06	2·1	09	2·4	22	0·9	14	1·6	08	2·4	09	3·5	09	4·4	09	3·7	...	...	2·5
23	10	1·8	11	4·1	09	0·9	09	1·4	10	1·4	07	1·4	05	2·7	10	2·2	18	3·3	14	1·4	08	1·8	09	3·2	10	4·0	09	3·1	...	...	2·4

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), NOVEMBER, 1934.

Hour	Force (0–12): 8 or above	4 to 7	0 to 3	Direction: N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	...	30	...	...	...	1	16	7	9	1	...	...	...	...	...	...	...	...
9	...	2	28	...	1	4	2	16	2	3	...	...	...	...	...	1	...	1	...
15	...	4	26	3	...	2	7	9	1	4	...	...	...	...	...	3	1	...	1
21	...	...	30	...	...	1	2	15	5	4	...	1	...	...	...	1	1	...	...
Totals	...			3	1	7	12	52	15	20	1	1	...	...	...	4	2	1	1

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for NOVEMBER 1934.

Hour \ Day	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
1h	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	..	6·1	...	...	...	...	...	...
2	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	0·3	...	...	...	...	...	...	...	...	...	...	.	...	0·1	...	...	14·0	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..	...	..	14·0	...	...	...	...	...	..	...	...	...	...	...	...
5	...	..	..	...	...	...	...		...	...	...		...	...	...	0·1	..	...	...	...	...	...	...	...	1·6	...	...	...	...	...	...
6	...	..	0·3	...	...	...	..	...	...	...	...	...	...	...	...	0·1	...	...	...	...	.	...	...	...	2·1	...	...	...	...	...	...
7	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	1·0	..	...	...	0·3	1·0	...
8	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	4·2	...	...	...	...	0·3	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	..	...
10	...	...	..	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	..	...	5·0	..	...	...	...	...	..	...	...	...
13	...	...	...	...	...	.	...	...	..	..	...	...	...	...	...	...	..	...	...	...	...	60·0	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	22·0	...	...	...	...	...	...	...	...	...
15	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11·3	...	1·0	..	1·0	...	...	...	...	...
16	...	...	..	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	0·3	...	0·2	...	...	...	...	...
17	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11·2	...	0·9	...	...	...	...	...
18	...	...		...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	..	...	...	...	...
19	.	...	...	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	..	...	...	...	...	...	...
21	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...
22	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	1·9	1·0	...	...	...	...	...	..	...	0·2	...	...	...	...	...	...	...
23	...	0·9	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·6	...	...	...	...	...	...	0·1	0·2	...	...	..	...	.	..	...
24	...	...	...	...	...	...	..	...	...	...	...	...	..	..	0·3	...	...	...	...	...	...	...	...	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 NOVEMBER 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	3·14	79·8	17·0	6
*	St. Antoine	50	5·46	138·7	36·1	8
*	Belmont	50	6·39	162·3	49·3	9
*	Poudre d'Or	20	6·04	153·4	43·9	9
	Mon Loisir S. E.	300	...	...	72·4	...
	Forbach	300	.	...	31·7	...
*	Couroupa	...	3·98	101·1	60·7	10
*	Labourdonnais	290	...	...	49·0	...
	Beau Séjour	300	6·53	165·9	66·8	11
	Mont Piton	650	6·54	166·1	61·5	13
	Mon Choix	700	5·03	127·8	59·2	9
	Antoinette	640	7·55	191·8	69·1	10
	Mon Songe	620	8·30	210·8	77·2	10
	Botanical Gardens ...	325	8·37	212·6	55·6	13
*	The Observatory	179	6·69	169·9	44·7	13
	Solitude	175	...	.	27·4	...
	St. André	90	5·73	145·5	43·2	8
	La Nicolière	...	13·47	342·1	...	14
	California	...	13·40	340·3	...	10
	Australia	...	11·63	294·6	...	10
2 & 3	Union Réguard S.E. (Flacq)	600	...	...	70·6	...
	Constance d'Arifat L.G. ...	100	7·39	201·4	56·6	12
	Rich Fund	600	10·23	260·6	106·2	16
	La Joffrette	...	11·35	288·3	...	13
	Belle Vue (Allendy) ...	...	8·68	220·5	104·4	12
4 *	Sans Souci	900	20·12	211·0	139·2	18
	Beau Champ (G.R.S.E.) ..	20	11·19	284·2	67·1	13
	Olivia	400	14·64	371·8	107·2	13
	Trois Ilots	...	12·83	325·9	...	13
	Belle Rive	400	14·68	372·6	...	16
	Sébastopol	700	23·16	588·3	...	19
	Bonne Veine	400	10·97	278·6	209·0	15
5	Rose Belle	850	11·49	291·8	...	17
	New Grove	650	12·68	322·1	...	14
	Mon Trésor	...	13·30	337·8	...	15
	Mon Désert (Carié) ...	75	17·44	443·0	63·8	14
	Ferney	20	16·28	413·5	80·3	15
	Sauve Terre	..	14·29	363·0	..	13
6	Tivoli	1,300	9·30	236·2	131·8	15
	La Flora	1,050	9·61	244·1	183·9	16
6	Riche Bois (Brit.) ...	650	11·62	295·1	...	15
	Britannia (Estate) ...	700	9·39	238·5	115·6	16
	Savannah (Mill) ...	200	14·90	378·4	61·2	13
	St. Aubin	300	10·38	263·7	75·9	14
	St. Avold	900	8·81	223·8	151·1	17
	Colmar	400	9·33	237·0	105·4	14
	Union S. E.	...	11·72	297·7	106·2	13
	Fontenelle	320	10·16	258·1	112·5	12
	Choisy	200	6·48	164·6	...	12
	Beau Bois	...	10·60	269·2	...	15
	Bel Air	...	12·66	319·0	..	13
	St. Félix	...	13·12	333·2	...	13
7,8,9 & 10	Bel Ombre	40	5·96	151·4	58·4	12
	Beau Champ (B. du Cap)	70	7·11	180·6	...	10
	Frélérica	...	9·17	232·9	...	10
	Pierre Fond	...	8·54	216·9	...	14
	Ste. Marie	...	7·12	180·8	...	8
	Hussonia Limited .	...	...	...	...	...
11	Curepipe Gardens ...	1,840	9·36	237·7	137·9	27
	Mare aux Vacoas (G.E.)	1,850	8·18	207·8	168·4	20
	Mare aux Vacoas (Arn.)	1,830	8·41	213·6	160·5	20
	La Marie Filter Bed ..	1,700	7·12	180·8	100·3	8
*	Sophie	...	8·85	224·8	...	20
	Réunion	1,420	8·08	205·2	79·5	16
*	Aerological Station ...	1,893	8·28	210·4	106·2	17
12	Quatre Bornes (Board) ...	1,090	6·46	164·1	...	10
*	Le Réduit (D. of A.) ...	1,000	6·39	162·2	50·0	24
	Alma	1,460	10·51	267·0	130·0	17
	Bagatelle	1,250	7·02	178·3	69·8	13
	Highlands	1,800	6·31	160·3	79·2	14
	Trianon	950	...	...	59·7	...
	Val Ory	1,100	...	...	58·4	...
	Bassin	...	8·50	215·9	...	12
	Hermitage	1,450	7·20	182·9	...	13
	Ebene	...	7·31	185·7	...	13
	Bega	...	5·99	152·1	...	13
	Mon Rêve	...	6·42	163·1	...	13
	Mont Pevril	...	6·77	172·0	...	13
	Minissy	1,150	5·13	130·3	69·6	13
	Plaisance	...	16·49	418·8	...	13
	La Ferme	350	5·72	145·3	...	12

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of NOVEMBER 1934.

Day. \ Type.	Time	Scud		Cumulus Cu. St. &c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cumulus Cu. St. &c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	10½	...	...	75	11·4	315	3·4	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	7	90	59·7	...	.	315	...	...	...	...	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
5	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	11½	...	...	102	9·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	...	...	107	6·8*	...	...	...	...	...	...	...	...
8	9½	90	11·3	105	8·9	...	...	...	...	...	...	...	...	13¾	123	4·1*	117	2·5*	...	...	...	..	...	...	...	...
9	11½	105	9·0	...	. .	...	...	..	...	...	...	292	4·1*	14	117	1·8*	117	5·9*	...	...	...	...	...	...	...	...
10	8¾	75	..	...	...	...	...	...	...	...	...	315	4·8	...	...	. .	..	...	...	...	...	...	...	...	...	...
11	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
12	11	26	8·9*	26	4·8*	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
13	9½	...	...	315	5·9	...	...	...	...	296	2·5*	285	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	11½	...	...	...	...	...	...	...	...	...	...	297	3·2*	...	...	...	...	. .	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
16	10	...	..	..	...	...	...	295	2·1	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	11½	27	17·6*	30	13·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...
18	9	...	...	60	14·9	...	...	...	...	...	...	345	4·4	...	...	...	...	...	...	...	...	...	...	...	...	...
19	11½	...	...	75	26·8	330	...	...	...	...	...	330	3·6	...	...	...	...	...	...	...	...	...	...	...	...	...
20	11½	...	..	175	8·0*	...	...	...	...	...	...	328	4·5	...	...	...	...	...	...	...	...	...	...	...	...	...
21	11½	72	5·2*	132	6·9*	...	...	...	...	...	.	...	...	15¼	...	...	120	4·4	...	...	...	...	...	..	285	3·3
22	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	11½	60	19·4	60	11·9	...	...	...	...	57	1·1*	..	...	..	...	...	...	...	..	...	...	...	...	...	...	...
24	11½	..	..	13	13·5*	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	11¾	...	...	345	...	...	...	...	...	...	...	300	3·6	...	...	...	...	...	...	...	...	...	...	...	...	...
27	11½	88	3·5*	58	1·4*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...
28	9½	103	10·1*	60	13·1	...	...	...	...	..	...	285	...	...	...	...	...	...	...	...	...	...	—	...	...	...
29	9½	...	...	90	8·2	...	...	...	...	...	...	315	2·3	15	135	8·5*	120	32·8	195	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	118	13·1*	118	4·5*	...	...	...	...	...	..	...	...
...	...	...	...	...		...	..	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

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NEW SERIES (MONTHLY) VOL. XX. PART 12. PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

DECEMBER, 1934

N. R. McCURDY, B.Sc., 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 DECEMBER 1934.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force Unit 1 γ	Daily Range† Vertical Force Unit 1 γ
DEC.	° ′			′		
1	12°51·9	·22569	·29686	5·8	80	19
2	52·1	572	689	4·7	35	7
3	52·4	570	694	4·5	28	6
4	52·9	543	699	5·5	20	14
5	52·8	545	699	4·0	22	11
6	53·5	548	700	2·0	20	12
7	53·6	559	700	7·3	25	14
8	53·5	569	699	8·0	33	18
9	53·5	568	699	7·7	28	15
10	53·4	562	700	7·7	24	16
11	53·2	569	701	7·7	30	17
12	53·7	559	700	7·0	25	18
13	53·1	573	697	9·0	28	21
14	53·5	568	699	6·5	23	14
15	53·6	563	700	5·0	36	8
16	53·8	562	696	3·0	20	13
17	53·6	568	697	4·5	22	15
18	53·4	570	700	4·7	25	8
19	53·8	570	700	6·0	33	11
20	53·8	566	697	6·0	17	14
21	53·7	562	699	7·2	48	15
22	53·9	557	700	5·3	25	17
23	53·9	565	700	4·2	27	14
24	53·5	556	699	6·5	38	17
25	53·9	549	700	5·2	31	18
26	53·5	555	698	4·6	25	12
27	53·6	556	698	6·2	28	12
28	53·3	561	699	6·0	28	11
29	53·8	552	698	10·5	68	26
30	55·2	522	706	8·5	49	14
31	54·5	535	703	7·5	33	23
Mean	12°53·49	·22559	·29698	6·01	31·4	14·5

Description of the Principal Magnetic Disturbances.

Declination.—1d. Sudden increase of 1′ at 8h.50m. 4d. Disturbed; between 4h. and 12h, irregular oscillations of 2′ at intervals. 25d. and 26d. Minor oscillations at intervals. 29d. Disturbed; rather large fluctuations at end. Between 22h. and 24h successive waves of 5′ total amplitude. 30d. Minor oscillations at intervals.

Horizontal Force.—1d. Disturbed; sudden commencement at 8h.50m. by a sudden decrease of 22γ—irregular fluctuations with small pulsations superposed. 4d. Disturbed from beginning; large positive wave between 1h. and 8h. with small oscillations superposed; this is followed by a large and maintained decrease which recovers gradually on the next day. 11d. Sudden commencement at 14h.25m. of a slightly disturbed period—small pulsations on the general curve. 15d. Small pulsations on the general curve. 19d. Small pulsations at times. 20d. Small pulsations at times. 21d Slightly disturbed at end with small pulsations frequently. Between 16h. and 23h. two successive negative waves of 25γ and 33γ respectively. 24d. Sharp negative wave between 19h.30m. and 21h 40m. 25d. and 26d. Small fluctuations at irregular intervals. 29d. Disturbed at end; very large fluctuations from 18h.; the maximum amplitude is 65γ. 30d. Slightly disturbed at beginning and end; from 20h. two successive waves of 20γ and 27γ rsspectively.

Vertical Force.—1d. 8h.50m. Sudden commencement by a sharp positive wave of 10γ; minor pulsations on the general curve for the rest of the day. 4d. disturbed from the beginning; irregular fluctuations throughout the day but which are less than 10γ. 11d. Minor pulsations on the general curve from 14h.30m. 15d. Small pulsations at irregular times. 19d. to 22d. Frequent small pulsations on the general curve. 24d. 20h.0m. to 21h.30m. Sharp positive wave of 5γ. 25d. and 26d. Small pulsations at times. 29d Disturbed from 17h. From 22h. to 24h. large successive waves of 15γ maximum amplitude 15γ—small oscillations on the general curve. 30d. Small oscillations throughout with two main positive waves at the end.

T=·37294: Mean Dip=52° 46′·83: (X=·21990: Y=−·05032: Z=·29698).
† 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 1934.

Declination (West) Day and Hour	Observed Value	Horizontal Force Day and Hour	Observed Value	Dip (South) Day and Hour	Observed Value	Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
DEC. 11·12·25	12 52·72	DEC. 4·12·53	·22517	DEC. 11·15·19	52 45·80	·29731
11·15·00	12 48·02	8· 9·31	·22580	11·12·42	52 47·42	·29746
15·09·15	12 53·78	19· 9·33	·22580	18·14·00	52 44·92	·29716
18·13·44	12 50·97	22· 8·34	·22553	20·15·01	52 46·23	·29715
20·11·40	12 51·77	24· 9·14	·22556	20·11·26	52 46·68	·29714
20·14 55	12 50·15			21·13·15	52 47·00	·29714
21·13·25	12 49·00					

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

DECEMBER 1934

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

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

DECEMBER 1934.

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	567	555	570	570	540	540	554	570	560	562	555	559	563	563	563	565	Midnight
1h	563	560	570	568	542	547	555	569	565	565	560	554	565	563	570	560	1h
2	565	560	571	590	548	549	558	570	564	567	562	557	570	563	566	559	2
3	572	558	572	615	549	549	557	575	565	572	560	559	573	562	567	560	3
4	573	560	575	610	546	547	560	570	564	571	560	560	573	565	573	560	4
5	573	562	578	597	543	545	559	564	564	572	562	562	575	565	572	561	5
6	572	570	580	580	545	545	561	566	563	570	565	563	575	568	572	561	6
7	573	570	582	577	547	548	565	573	568	575	572	567	580	567	567	563	7
8	574	575	582	572	550	552	565	571	571	577	575	558	588	570	570	570	8
9	598	583	577	545	549	551	557	577	577	565	580	560	590	572	576	572	9
10	603	590	580	530	550	550	555	588	585	562	582	561	590	579	568	575	10
11	605	587	581	500	552	547	553	583	583	561	585	565	583	585	575	572	11
Noon	600	590	580	517	555	532	550	578	585	555	575	565	575	573	567	565	Noon
13h	583	580	575	520	547	539	555	570	581	555	570	563	573	564	562	555	13h
14	570	575	575	518	541	550	565	571	574	560	570	562	577	563	555	550	14
15	593	575	567	513	538	550	560	572	565	560	583	561	573	562	547	552	15
16	582	580	560	503	537	550	565	570	563	561	579	562	570	564	542	555	16
17	527	572	554	495	543	549	560	567	567	561	578	558	567	563	553	562	17
18	525	573	560	498	544	548	557	563	563	558	575	553	566	564	558	562	18
19	545	572	557	515	545	547	553	555	560	558	565	543	565	567	555	563	19
20	550	570	553	520	545	548	558	560	557	557	560	545	562	575	555	563	20
21	553	570	561	530	540	549	557	563	557	553	558	557	563	573	554	562	21
22	550	569	563	530	540	550	559	562	565	548	557	560	565	571	555	562	22
23	557	568	568	535	533	551	575	562	563	550	560	561	565	570	553	563	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	567	563	565	571	562	551	559	558	548	555	550	552	556	520	545	557·4	Midnight
1h	567	565	560	577	567	555	560	559	543	556	552	555	556	510	538	557·9	1h
2	567	562	576	576	570	560	561	558	557	545	552	554	558	512	532	560·0	2
3	569	565	567	575	570	560	567	557	557	550	553	555	559	520	535	562·1	3
4	567	567	562	573	578	560	562	557	551	550	552	557	560	540	533	562·5	4
5	565	562	560	570	575	560	563	559	560	553	553	560	562	535	537	562·2	5
6	567	561	573	565	577	565	565	562	557	560	558	562	570	530	537	563·4	6
7	563	563	572	567	576	567	565	563	553	555	560	573	575	532	542	565·2	7
8	564	565	575	565	577	561	565	560	555	560	566	572	578	535	547	566·9	8
9	567	565	577	561	570	555	564	557	560	563	573	572	578	527	548	566·6	9
10	578	577	590	570	565	558	568	550	560	570	576	580	577	522	545	569·2	10
11	583	586	589	573	570	550	577	562	541	570	575	580	573	517	530	567·5	11
Noon	582	580	583	565	570	542	581	565	545	569	570	575	560	513	520	563·9	Noon
13h	573	581	580	560	567	550	576	567	550	570	560	570	553	510	515	560·5	13h
14	570	580	574	563	563	555	578	568	558	567	550	562	545	515	520	559·5	14
15	571	580	570	560	560	558	580	563	561	553	549	553	542	510	525	558·3	15
16	570	573	568	560	560	559	570	564	560	545	550	552	540	508	525	556·4	16
17	569	570	563	562	540	557	562	555	550	547	551	554	530	503	537	552·4	17
18	567	568	557	565	553	557	558	551	535	550	552	556	525	508	540	551·9	18
19	565	567	560	562	557	556	557	550	540	549	548	553	543	510	538	552·3	19
20	563	569	560	563	545	555	555	538	537	548	548	553	545	520	536	552·0	20
21	561	568	561	563	530	553	555	530	535	548	548	552	520	535	540	551·6	21
22	562	567	561	562	535	554	555	540	530	549	549	552	510	552	540	552·4	22
23	561	565	565	563	545	555	554	542	540	549	550	552	540	537	535	554·4	23

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

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

DECEMBER, 1934

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	·29000+(C.G.S. UNIT.)																
Midnight	689	691	693	693	700	701	700	701	702	701	702	702	701	700	700	700	Midnight
1h	689	691	693	693	700	700	699	701	701	701	701	703	701	700	700	701	1h
2	689	691	693	694	700	700	699	701	701	701	701	703	701	700	701	701	2
3	689	692	693	697	700	701	700	701	701	701	701	702	701	700	701	701	3
4	689	692	694	691	701	702	701	700	701	700	701	701	701	699	701	702	4
5	689	692	694	697	702	702	701	701	701	700	701	701	700	699	701	701	5
6	689	693	694	697	703	703	703	702	702	700	700	701	699	698	700	703	6
7	691	692	693	699	705	706	708	704	704	702	701	703	699	700	701	700	7
8	691	691	692	697	702	705	708	703	705	706	705	703	699	702	698	695	8
9	695	687	693	700	700	706	703	703	706	708	710	705	702	705	694	695	9
10	691	688	693	703	698	706	699	702	705	707	711	708	706	703	696	697	10
11	682	688	693	705	697	704	694	698	700	708	708	705	703	703	699	695	11
Noon	679	686	693	701	696	699	695	691	692	698	700	701	695	691	701	692	Noon
13h	676	686	694	700	695	697	699	690	692	697	700	696	685	697	701	691	13h
14	679	686	693	695	694	694	694	686	691	696	700	690	685	697	702	691	14
15	676	686	695	697	696	694	695	690	692	692	695	690	685	697	702	690	15
16	677	686	695	699	699	695	697	693	693	692	694	693	687	699	700	690	16
17	678	687	695	700	700	696	699	697	697	694	696	695	691	696	699	690	17
18	682	689	698	703	700	699	700	699	699	697	698	698	694	696	699	691	18
19	686	689	697	702	698	700	700	701	699	699	699	699	697	697	700	695	19
20	690	690	697	705	698	700	701	701	699	700	700	699	697	696	700	697	20
21	690	690	695	702	699	700	701	701	700	700	701	699	697	697	700	697	21
22	691	690	693	701	701	700	702	701	700	701	702	699	698	697	700	698	22
23	691	690	693	701	700	699	701	702	701	702	703	700	699	699	701	698	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	699	699	700	701	699	701	701	701	703	701	702	702	701	709	706	700·0	Midnight
1h	700	700	700	700	699	701	701	701	702	701	702	702	702	711	707	700·1	1h
2	700	701	701	700	698	701	701	700	701	701	702	702	701	711	707	700·1	2
3	700	701	701	700	698	701	701	700	701	701	701	702	701	711	707	700·2	3
4	701	701	702	701	699	701	701	701	702	701	701	701	702	710	708	700·2	4
5	701	702	703	701	699	702	701	701	701	701	701	701	701	698	707	700·1	5
6	702	702	704	702	701	703	701	701	701	701	701	701	702	711	709	700·9	6
7	705	703	706	703	703	705	703	702	703	701	702	700	704	711	709	702·2	7
8	700	702	705	703	705	705	706	706	707	701	701	701	704	710	711	702·2	8
9	694	702	700	700	705	707	706	707	705	702	701	702	705	709	712	702·2	9
10	692	703	700	696	703	706	706	704	702	702	701	699	700	700	713	701·3	10
11	691	700	698	695	698	702	700	703	700	693	698	692	689	698	706	698·2	11
Noon	690	695	695	691	695	695	694	700	693	690	693	691	681	697	695	693·7	Noon
13h	691	695	695	689	691	693	692	693	689	691	690	692	685	698	690	692·6	13h
14	692	695	697	689	690	690	692	693	691	691	690	696	690	699	693	692·3	14
15	693	698	697	691	694	692	693	690	695	691	691	699	691	700	694	692·9	15
16	694	700	700	692	695	693	696	691	699	693	691	699	691	703	695	694·2	16
17	695	699	700	695	699	696	700	694	701	697	695	700	692	709	697	696·1	17
18	696	699	701	697	700	698	700	697	700	700	697	700	700	708	700	697·9	18
19	697	699	701	697	698	699	699	697	700	699	698	701	699	710	701	698·5	19
20	698	699	701	698	700	699	699	697	700	699	699	700	699	706	701	698·9	20
21	698	699	700	699	703	700	700	700	701	700	700	700	703	707	702	699·4	21
22	698	699	700	699	705	701	701	705	703	701	701	701	707	706	703	700·1	22
23	699	699	700	699	702	701	701	703	703	702	701	701	705	705	703	700·1	23

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of DECEMBER 1934.

Month and day 1934.	Observations at 10 a.m.									Temperature of the Air.									
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. = 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity.	Amount of Cloud (Scale 0–10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
DEC.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	970·3	23·0	3·6	16·7	68	18·8	100	12·5	1	19·9	21·5	22·8	18·7	24·1	18·8	5·4	14·6	10·3	78
2	970·2	23·4	3·4	17·5	69	19·8	100	6·7	6	16·3	22·0	23·1	19·7	24·5	15·9	8·6	0·0	11·4	86
3	970·0	23·3	3·4	17·4	69	19·7	95	4·5	9	19·0	23·0	24·2	20·0	25·6	18·3	7·3	0·0	10·4	79
4	968·7	22·7	2·9	17·6	73	19·9	85	11·6	1	19·5	22·0	23·8	20·5	25·1	18·8	6·3	1·9	10·3	78
5	968·8	21·9	1·2	19·8	88	22·9	90	6·7	8	19·9	21·5	23·2	20·5	24·9	18·8	6·1	2·1	5·6	42
6	968·8	23·3	2·8	18·4	74	21·0	90	6·3	9	20·0	20·8	24·8	20·6	26·2	19·3	6·9	1·0	9·9	75
7	969·4	24·3	3·4	18·5	70	21·1	80	6·3	7	20·4	23·0	24·9	20·0	26·0	19·3	6·7	0·0	9·3	70
8	967·9	24·4	5·0	15·8	59	17·8	95	5·4	2	19·6	22·5	25·0	21·0	26·5	18·2	8·3	0·0	10·0	76
9	967·1	25·2	2·8	20·4	75	23·7	75	1·8	9	21·0	22·6	22·0	21·6	27·3	20·3	7·0	0·2	4·2	32
10	967·0	25·0	3·5	19·0	69	21·8	75	5·8	8	21·5	23·1	25·8	21·8	26·9	20·4	6·5	26·4	7·4	56
11	967·5	24·3	3·0	19·1	73	21·9	75	6·7	9	21·1	23·0	24·3	21·0	26·4	19·7	6·7	2·5	6·6	50
12	967·3	24·9	4·0	18·0	65	20·4	50	4·0	8	21·0	23·0	23·0	21·2	26·4	19·8	6·6	0·0	3·8	29
13	966·1	25·2	3·3	19·6	71	22·6	55	5·4	7	20·7	23·5	23·4	20·8	27·4	20·0	7·4	0·0	5·8	44
14	966·9	22·3	1·5	19·7	85	22·7	50	4·5	10	21·0	23·0	23·0	21·5	24·9	20·3	4·6	5·6	2·8	21
15	964·7	23·7	2·3	19·7	78	22·7	50	5·4	9	20·2	22·5	25·0	22·3	26·4	19·5	6·9	1·9	6·3	47
16	965·1	24·2	0·9	22·7	91	27·3	30	1·8	10	22·0	22·6	24·5	22·5	25·5	19·8	5·7	9·8	1·9	14
17	965·6	24·9	1·6	21·0	82	25·5	315	2·2	10	22·0	24·4	26·7	22·0	27·6	20·5	7·1	1·2	7·8	59
18	965·1	26·1	3·2	20·7	72	24·2	325	3·1	8	21·2	25·0	26·7	23·5	28·4	20·2	8·2	0·0	11·2	84
19	964·4	26·4	3·5	20·5	70	23·9	15	2·7	7	22·5	26·0	25·9	23·0	27·9	21·1	6·8	0·0	5·8	44
20	964·2	26·4	3·5	20·5	70	23·9	20	2·2	7	21·5	24·5	26·5	22·7	28·2	20·5	7·7	3·4	7·7	58
21	964·6	25·3	3·4	19·5	70	22·4	45	7·2	9	22·0	24·4	25·9	22·5	27·9	20·9	7·0	0·0	6·5	49
22	965·0	24·4	2·3	20·4	78	23·7	45	6·3	10	22·0	25·2	26·0	22·8	27·8	20·9	6·9	0·2	5·4	41
23	964·7	26·1	3·5	20·2	69	23·4	45	6·7	7	22·1	25·0	26·6	22·4	28·0	20·9	7·1	0·0	11·4	86
24	965·6	25·1	2·8	20·3	75	23·6	40	4·5	10	21·6	25·5	24·5	22·3	27·6	20·8	6·8	0·0	2·4	18
25	964·6	27·7	3·9	21·2	68	24·9	55	0·5	9	21·3	25·8	26·0	23·2	28·6	20·4	8·2	4·4	7·1	53
26	965·4	26·3	3·4	20·6	71	24·0	55	0·9	9	21·2	25·5	25·6	21·5	27·6	21·2	6·4	1·1	7·3	55
27	964·0	25·4	3·0	20·3	73	23·6	Calm		10	20·0	24·5	26·4	22·0	28·0	20·5	7·5	0·0	3·8	29
28	962·8	27·3	4·4	19·9	65	23·0	40	0·5	8	21·5	25·6	25·2	22·4	28·4	19·7	8·7	0·0	6·3	47
29	964·1	26·3	3·8	19·9	68	23·0	65	1·8	6	21·0	24·9	26·1	21·8	28·9	20·0	8·9	0·0	6·4	48
30	963·4	27·5	4·6	19·8	63	22·9	80	0·9	9	21·0	25·1	22·3	22·5	27·9	20·3	7·6	0·0	5·0	38
31	961·1	27·7	5·1	19·1	59	21·9	Calm		1	20·5	26·8	27·8	...	30·5	19·5	11·0	2·5	10·5	79
Mean	966·1	25·0	3·1	19·5	71·6	22·5	...	4·7	7	20·8	23·6	24·9	21·6	27·0	19·8	7·2	78·8	7·12	53·7
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	41·4mbs.	Amount of rain	—	51·5mms.
Temperature of the Air	+	2·7°C	Duration of sunshine	+	46·4hrs
Vapour Pressure	+	1·4mbs.	Mean of maximum temperatures	+	2·7°C
Relative Humidity	—	6·6%	,, minimum temperatures	+	2·9°C
Velocity of Wind	—	0·2mps.	Absolute maximum temperature	+	1·5°C
Amount of Cloud	—	0·8	,, minimum temperature	+	3·0°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1934.

Month and Day 1934.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean.	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
DEC.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mm.	min	mm	
1	1012·4	+ 4·1	27·9	20·2	7·7	23·8	− 0·9	3·6	17·5	− 1·5	68	− 3	19·8	20·3	3·0	20	9·6	4·0
2	1011·6	+ 3·4	27·7	18·9	8·8	23·3	− 1·3	3·7	17·1	− 2·0	67	− 4	19·3	16·2	0·0	...	7·8	3·7
3	1011·2	+ 3·1	28·0	20·8	7·2	24·2	− 0·6	3·5	18·2	− 0·9	69	− 2	20·7	19·0	0·0	...	7·5	3·5
4	1010·3	+ 2·2	27·9	21·7	6·2	24·3	− 0·6	3·2	18·8	− 0·4	71	0	21·5	20·4	0·0	...	7·7	5·7
5	1010·0	+ 2·0	27·4	23·0	4·4	24·2	− 0·7	2·6	19·7	+ 0·5	76	+ 5	22·7	20·3	1·1	21	4·9	6·5
6	1010·3	+ 2·4	28·1	22·0	6·1	24·7	− 0·3	2·7	20·1	+ 0·7	76	+ 5	23·3	20·6	0·7	11	7·5	3·6
7	1010·4	+ 2·6	28·2	21·9	6·3	24·4	− 0·6	3·0	19·2	− 0·3	73	+ 2	22·0	19·0	0·0	...	6·8	4·0
8	1009·1	+ 1·4	29·0	21·7	7·3	24·6	− 0·5	3·6	18·4	− 1·2	69	− 2	21·0	18·1	0·0	...	6·7	3·6
9	1007·6	0·0	29·4	22·7	6·7	25·6	+ 0·5	2·6	21·2	+ 1·6	77	+ 5	24·9	20·8	0·0	...	5·9	5·9
10	1008·0	+ 0·5	29·2	23·7	5·5	25·9	+ 0·7	2·9	21·0	+ 1·3	74	+ 2	24·6	20·7	0·1	2	7·7	5·0
11	1008·2	+ 0·8	29·0	23·2	5·8	25·5	+ 0·3	3·1	20·2	+ 0·5	72	0	23·4	21·8	0·0	...	6·0	6·2
12	1007·9	+ 0·5	28·8	23·2	5·6	25·1	− 0·1	2·7	20·5	+ 0·8	76	+ 4	23·9	22·1	0·1	5	5·9	7·6
13	1008·4	+ 1·0	29·1	22·9	6·2	24·9	− 0·3	2·1	21·3	+ 1·6	80	+ 8	25·1	21·0	6·4	39	5·6	8·2
14	1007·2	− 0·1	27·9	22·5	5·4	24·8	− 0·5	1·6	22·1	+ 2·3	85	+ 13	26·3	22·2	6·0	25	4·0	8·2
15	1005·2	− 2·1	29·5	22·0	7·5	25·3	0·0	2·3	21·4	+ 1·6	79	+ 7	25·2	20·2	0·1	2	5·4	6·6
16	1005·4	− 1·8	28·3	23·0	5·3	25·6	+ 0·3	1·7	22·7	+ 2·7	84	+ 12	27·3	21·5	1·5	11	3·0	7·8
17	1005·8	− 1·4	31·6	23·0	8·6	26·2	+ 0·8	2·2	22·5	+ 2·4	80	+ 8	27·0	21·3	0·6	12	5·5	5·6
18	1005·4	− 1·7	31·8	23·1	8·7	26·7	+ 1·3	2·5	22·5	+ 2·4	78	+ 6	27·0	21·3	0·0	...	6·8	6·3
19	1004·4	− 2·7	31·8	24·0	7·8	27·0	+ 1·6	2·3	23·1	+ 3·0	79	+ 6	28·0	22·3	0·0	...	5·4	7·8
20	1004·3	− 2·7	31·0	23·6	7·4	26·7	+ 1·3	2·6	22·3	+ 2·2	77	+ 4	26·7	21·2	0·0	...	7·0	7·0
21	1005·2	− 1·8	30·0	24·5	5·5	26·6	+ 1·1	3·3	21·0	+ 0·8	71	− 2	24·6	23·8	0·0	...	7·0	7·5
22	1005·4	− 1·5	30·1	24·6	5·5	26·3	+ 0·8	2·8	21·6	+ 1·4	75	+ 2	25·5	23·0	0·0	...	5·2	8·3
23	1005·2	− 1·7	30·0	23·9	6·1	26·6	+ 1·1	3·2	21·2	+ 1·0	72	− 1	24·9	22·2	0·0	...	7·4	5·1
24	1005·3	− 1·5	30·0	24·0	6·0	26·3	+ 0·7	2·2	22·6	+ 2·3	80	+ 7	27·1	22·8	4·8	27	4·1	7·9
25	1005·6	− 1·2	31·7	24·6	7·1	26·9	+ 1·3	2·6	22·5	+ 2·0	77	+ 4	27·0	20·2	0·1	2	5·8	6·1
26	1005·5	− 1·3	31·5	23·3	8·2	26·4	+ 0·8	2·9	21·5	+ 1·0	74	+ 1	25·4	21·5	0·1	2	8·0	4·3
27	1004·2	− 2·5	31·0	21·7	9·3	26·2	+ 0·6	3·3	20·6	+ 0·1	71	− 2	24·0	19·8	0·0	...	7·6	5·2
28	1003·8	− 2·9	30·0	22·8	7·2	26·4	+ 0·8	3·0	21·3	+ 0·8	74	+ 1	25·1	20·7	0·0	...	6·2	4·2
29	1014·1	− 2·5	31·7	21·9	9·8	26·1	+ 0·4	3·4	20·4	− 0·2	71	− 2	23·7	20·3	0·0	...	8·5	2·8
30	1003·2	− 3·3	32·0	23·1	8·9	26·1	+ 0·4	2·7	21·5	+ 0·9	76	+ 3	25·4	19·0	2·6	46	7·5	4·4
31	1001·1	− 5·4	31·3	21·4	10·4	26·1	+ 0·4	3·8	19·7	− 0·9	68	− 6	22·7	17·8	0·0	...	7·5	2·2
Mean	1006·8	− 0·5	29·7	22·7	7·0	25·6	+ 0·3	2·8	20·8	+ 0·9	74·8	+ 2·6	24·3	20·7	Sum 27·3	Sum 225	6·5	5·6
Aver.	1007·3	...	29·7	22·6	8·1	25·3	...	3·1	19·9	...	72·2	...	23·0	19·1	116·1	1211	6·6	5·5
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF DECEMBER 1934.

Pressure kept above normal from the 1st to 13th ; the island remaining, during this period, on the edge of the South Eastern Anticyclonic system. The South East Trade Wind on the surface was stronger than usual during the first week, while pilot balloon soundings showed that the wind up to 3,500 metres was ESE in direction and strong to moderate in force.

From the 14th pressure began to fall and kept below normal till the end of the month. On the 18th, the appearance of an intense high pressure system over the South African Coast together with a deepening and extension southward of the Equatorial 'low' brought about the formation of a cyclonic disturbance in the region about 15°S and 53°E. This centre travelled South, going between the island of Reunion and the East Coast of Madagascar.

On the 26th another centre formed in about 10°S. and 72°E and passed within 50 miles of the island of Rodrigues.

None of these disturbances affected the weather at Mauritius to any extent ; Temperature was markedly in excess of normal during the second half of the month, but the raintall was considerably in defect. Wind Velocity was generally below normal during this period, while the humidity, with but slight variations, was generally above average.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1934.

Month and Day 1934.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 18 inches.	Weather
DECEMBER	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h
1	11·4	86	5·6	+ 2·3	24·1	24·4	25·8	26·4	crr : bc : b .
2	11·3	86	4·5	+ 1·2	24·2	24·4	25·7	26·3	b bc : b .
3	11·7	89	4·4	+ 1·1	24·1	24·4	25·7	26·2	b : bc : b .
4	10·8	82	5·3	+ 2·0	24·2	24·4	25·7	26·2	bc : c : bc : c .
5	6·9	52	5·1	+ 1·8	24·2	24·5	25·8	26·3	cr : c : cr_o : bc .
6	11·5	87	4·6	+ 1·3	24·0	24·4	25·8	26·2	bc : ber_or_o : bc : b .
7	10·4	79	3·9	+ 0·6	24·1	24·6	25·9	26·4	b : bc : b .
8	9·1	69	3·1	− 0·2	24·2	24·4	25·9	26·5	b : bc : c : bc .
9	9·2	69	3·0	− 0·3	24·1	24·5	26·0	26·6	bc : c : bc : b .
10	12·0	90	4·3	+ 0·9	24·1	24·7	26·2	26·9	bd_o : bc : b : bc .
11	10·2	77	4·3	+ 0·9	24·2	24·6	26·3	27·2	c : bc : c : bc .
12	5·5	41	3·9	+ 0·5	24·1	24·5	26·4	27·2	bc : c : cr_o : c .
13	6·2	47	3·7	+ 0·3	24·1	24·6	26·4	27·3	c : bc : crr : c .
14	2·3	17	3·2	− 0·2	24·1	24·8	26·5	27·0	bc : orr : o : cr_or_o : bc .
15	8·3	62	3·0	− 0·4	24·1	24·6	26·4	26·9	b : c . bc : cr_o : c : bc .
16	1·1	8	3·4	0·0	24·1	24·6	26·4	27·0	bd_o . bcd_o : o : c : o : c r_o .
17	8·2	62	3·0	− 0·4	24·2	24·8	26·4	26·9	br_or_o : ber_or_o : cr_or_o : bc .
18	10·3	77	2·9	− 0·5	24·1	24·7	26·5	27·0	b : bc : c : bc : c .
19	9·6	72	2·9	− 0·5	24·1	24·8	26·5	27·4	bc : c : bc .
20	7·9	59	3·2	− 0·2	24·1	24·9	26·6	27·6	b : c : bc : c .
21	7·6	57	4·5	+ 1·1	24·0	24·9	26·8	27·7	c : bc : c : bc .
22	2·6	20	4·8	+ 1·4	24·1	24·9	26·9	27·6	bc : c : o .
23	11·3	85	4·0	+ 0·6	24·1	24·9	26·9	27·6	c : bc : b : bc : b .
24	4·3	32	3·0	− 0·4	24·1	25·0	27·0	27·7	c : ctrr : c : bc .
25	8·2	62	2·1	− 1·3	24·1	24·9	27·0	27·8	c : bc : ber_o : bc : b .
26	8·9	67	2·0	− 1·4	24·1	25·0	27·1	28·0	b : ber_o : bc : b .
27	9·0	68	2·2	− 1·2	24·2	24·9	27·2	28·3	b : bc : c .
28	8·7	65	2·3	− 1·0	24·1	25·1	27·3	28·2	bc : b : bc . b .
29	11·2	84	2·7	− 0·6	24·2	25·0	27·4	28·1	b : bc : b .
30	9·6	72	2·2	− 1·1	24·1	25·2	27·4	28·3	b : bd_o : bc : c : crr : bc : b .
31	11·5	86	2·1	− 1·2	24·1	25·1	27·5	28·4	b_o : b : bc : b .
Mean	8·60	64·8	3·52	+0·16	24·12	24·73	26·48	27·19	.....
Average	8·35	62·6	3·36	...	24·58	25·55	27·13	27·94	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF DECEMBER 1934.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1014·0mbs	at 22.00hrs.	on 1st	998·8mbs	at 17.00hrs.	on 31st
Temperature of the Air	32·0°C	...	on 30th	18·9°C	at 03h.05	on 2nd
Daily range of temperature of the Air ...	10·4°C	..	on 31st	4·4°C	.	on 5th
Temperature of the Dew Point	24·2°C	at 07.00hrs.	on 19th	15·1°C	at 02.00hrs.	on 2nd
Daily range of temperature of the Dew Point	5·0°C	...	on 1st	1·6°C	...	on 12th
Minimum on Grass	...	...	...	16·2°C	...	on 2nd
Relative humidity	96·1%	...	often	48·3%	at 14.00hrs	on 26th
Vapour Pressure	29·9mbs.	at 07.00hrs.	on 19th	17·0mbs.	at 02.00hrs.	on 2nd
Wind Velocity	9·3m.p.s.	at 09.00hrs.	on 4th	0·6mps	...	often
Rainfall in 24 hours	12·2mms	ending 10.00hrs	on 14th	...	...	...
Evaporation in 24 hours...	9·6mms	...	on 1st	3·0mms	...	on 16th
Duration of sunshine	12·0hrs	...	on 10th	1·1hr	...	on 16th

Mean Day Temperature of Air, 27·39°C. Average 27·69°C. Mean Night Temperature of Air, 23·77°C. Average 23·68°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	3	18	10	...	7	5	2	...	..	...	1

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

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

DECEMBER 1934.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.																
Midnight	131	130	120	110	106	109	110	105	087	080	084	082	082	091	067	059	Midnight
1h	126	122	111	106	100	101	108	100	079	075	080	077	080	080	060	050	1h
2	121	120	111	101	095	100	101	100	073	069	079	074	080	074	052	043	2
3	120	114	113	094	092	099	100	100	071	066	074	071	076	070	050	041	3
4	119	111	113	098	091	099	099	100	070	067	077	070	073	070	050	040	4
5	120	112	116	099	093	100	100	099	071	071	080	071	078	071	051	042	5
6	125	120	120	102	099	101	106	101	076	078	083	075	080	076	056	046	6
7	130	127	122	106	100	104	110	101	077	081	089	082	082	081	058	058	7
8	130	125	123	109	101	107	113	101	080	084	092	085	089	081	060	061	8
9	129	125	122	110	106	110	118	100	080	083	093	090	089	081	060	064	9
10	128	122	121	110	105	110	116	097	079	082	092	090	083	080	060	064	10
11	126	120	119	108	103	106	111	093	078	087	089	088	087	079	056	060	11
Noon	120	119	112	105	100	103	106	088	075	084	080	084	083	077	050	060	Noon
13h	113	112	108	101	097	100	100	083	070	080	076	080	081	071	044	052	13h
14	110	107	101	094	093	097	098	078	068	074	071	080	080	066	040	051	14
15	108	101	098	090	090	091	093	072	064	071	070	074	078	062	036	049	15
16	110	100	095	089	090	091	092	071	065	072	068	070	076	060	035	049	16
17	119	101	096	091	091	094	093	073	067	076	070	070	076	060	037	049	17
18	123	109	100	098	098	100	097	080	072	080	077	073	081	061	043	051	18
19	130	114	110	102	107	109	100	085	080	086	081	079	085	063	050	057	19
20	133	120	112	108	110	111	106	089	085	090	086	080	091	067	056	060	20
21	139	121	118	111	113	110	106	092	089	091	089	084	097	072	059	061	21
22	140	125	120	114	115	113	108	094	090	092	090	089	099	078	061	067	22
23	133	121	119	112	111	112	107	093	090	090	088	088	099	074	061	068	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. / Hour.
	The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.																
Midnight	065	060	051	041	052	067	055	060	057	066	051	048	051	041	032	1007·6	Midnight
1h	060	054	049	032	046	060	050	050	053	060	047	041	047	040	030	1007·0	1h
2	053	051	046	030	040	053	046	049	050	054	041	036	042	036	026	1006·6	2
3	050	049	043	029	037	051	043	046	050	051	040	031	040	033	020	1006·4	3
4	051	048	041	030	033	051	043	042	050	051	040	030	040	033	019	1006·3	4
5	056	051	041	037	039	050	049	047	051	055	042	035	042	037	020	1006·5	5
6	060	059	049	042	049	053	055	054	056	060	046	041	048	040	027	1007·0	6
7	065	060	050	048	053	060	060	060	060	063	047	042	050	041	030	1007·4	7
8	069	061	050	049	055	060	060	059	061	066	046	043	050	043	028	1007·6	8
9	070	066	050	050	059	064	062	061	061	065	043	041	050	043	022	1007·6	9
10	071	065	052	050	060	062	060	063	060	064	043	035	049	041	017	1007·5	10
11	068	060	048	050	061	059	060	063	059	061	040	032	045	038	011	1007·3	11
Noon	060	059	043	043	055	055	052	060	056	058	040	031	040	032	010	1006·9	Noon
13h	058	052	040	042	050	051	049	058	053	052	038	026	032	030	006	1006·5	13h
14	050	049	033	040	048	045	041	050	048	046	031	032	026	020	002	1006·0	14
15	047	044	029	036	048	040	039	040	042	041	030	020	021	016	991	1005·6	15
16	043	040	028	035	045	040	040	038	041	041	030	021	021	011	988	1005·5	16
17	047	043	030	037	043	041	040	039	043	042	031	029	027	014	988	1005·7	17
18	050	049	040	040	049	047	047	042	049	050	037	039	033	021	991	1006·2	18
19	056	054	046	049	051	051	051	050	059	052	043	047	041	027	999	1006·8	19
20	061	058	050	051	060	058	058	053	061	058	048	049	043	030	003	1007·2	20
21	061	060	052	056	064	060	060	057	069	062	050	052	047	031	008	1017·5	21
22	067	060	053	060	070	067	063	060	072	063	051	057	049	038	010	1007·9	22
23	065	057	049	059	072	063	062	061	070	059	050	055	048	038	009	1007·7	23

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

Hour. \ Day.	DECEMBER 1934.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	1	0	3	9	3	1	1	3	2	6	4	8	6	3	3	5	2	8	4	9	6	10	4	5	3	1	1	3	2	1	3	4·1
1h	10	1	1	3	9	2	2	1	4	2	7	6	7	7	3	2	3	2	6	3	8	5	10	7	6	3	0	6	1	3	0	4·2
2	8	2	2	4	10	3	2	1	5	3	8	7	8	7	2	2	3	2	7	3	8	4	10	8	8	4	1	6	1	3	0	4·6
3	6	2	3	4	5	4	2	1	8	3	9	9	9	5	2	1	1	2	8	3	9	6	9	9	9	3	1	4	1	3	0	4·5
4	5	4	3	3	5	5	3	1	4	4	9	4	8	10	8	1	1	3	9	5	8	7	5	8	9	4	1	3	1	3	0	4·6
5	5	9	3	3	9	8	4	1	7	4	7	4	9	10	7	5	6	4	7	8	8	7	6	9	8	5	2	2	1	2	1	5·5
6	3	2	2	8	4	3	2	2	4	4	3	9	9	10	9	9	6	9	7	10	8	9	5	9	8	7	3	2	1	2	1	5·5
7	4	8	3	8	8	3	2	2	5	7	6	9	8	10	9	10	9	9	9	10	8	9	6	9	8	8	4	2	3	2	1	6·4
8	7	4	5	7	9	4	6	1	5	5	5	9	9	10	6	10	8	8	8	5	8	10	5	8	8	8	4	3	4	2	1	6·2
9	3	5	5	6	5	5	7	2	5	5	5	9	7	10	9	10	7	5	7	4	7	9	5	8	7	6	4	6	3	4	2	5·9
10	3	6	5	6	8	5	7	2	7	7	5	6	7	9	5	10	7	6	8	9	6	10	4	9	7	7	5	5	6	4	2	6·2
11	4	5	4	5	8	5	5	4	9	5	6	6	5	10	6	10	7	7	8	7	5	7	4	8	7	6	7	5	5	4	2	6·0
Noon	5	5	4	5	9	5	7	5	9	7	5	8	5	10	7	9	8	6	8	8	8	7	3	9	6	5	8	6	5	4	2	6·4
13h	6	6	5	5	9	5	7	7	9	6	8	8	9	9	8	9	9	6	7	8	7	7	3	9	7	5	7	7	5	6	4	6·9
14	5	5	4	5	9	4	6	5	8	7	5	9	10	10	7	9	4	7	7	6	8	8	3	9	8	5	3	8	3	7	6	6·5
15	5	5	5	5	7	4	6	6	8	7	5	7	9	9	8	9	4	6	9	5	8	8	3	9	6	5	5	6	5	8	6	6·4
16	5	5	5	5	7	4	6	6	8	7	5	7	9	9	8	9	5	6	9	5	8	9	5	9	6	5	4	0	5	8	5	6·5
17	4	3	4	5	7	3	5	8	8	6	8	10	10	9	10	10	8	6	9	8	9	10	5	9	3	3	8	5	4	9	4	6·8
18	4	2	4	5	9	2	5	9	8	3	9	10	10	9	10	10	8	8	9	9	9	10	7	9	4	3	9	4	2	9	4	6·9
19	2	1	3	7	3	2	3	8	4	4	9	9	9	8	8	10	7	7	9	9	6	10	6	10	4	3	9	3	2	9	3	6·0
20	1	1	2	8	3	2	2	6	6	3	7	8	9	6	7	10	6	9	9	9	6	10	5	10	5	2	9	3	2	6	1	5·6
21	0	2	1	9	4	2	2	2	2	4	4	7	9	7	6	10	5	10	9	9	7	10	3	4	4	1	9	2	1	2	1	4·8
22	0	2	2	8	4	2	2	2	2	6	5	8	8	5	5	10	4	9	7	9	7	10	2	3	3	1	9	2	1	1	2	4·5
23	1	2	2	7	2	3	2	3	3	6	6	7	8	4	5	9	4	8	5	9	7	10	3	4	3	1	9	2	4	2	2	4·6

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

Hour Ending. \ Day.	DECEMBER 1934.																															
	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	10	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	20	27	25	15	25	2·1
7	55	18	45	10	36	37	44	60	60	53	20	5	28	0	52	0	50	25	52	24	0	0	54	0	35	25	55	55	54	55	58	17·7
8	60	55	60	45	13	50	43	60	60	60	55	25	45	30	25	0	50	35	55	60	0	0	60	50	35	54	60	58	55	60	60	23·0
9	60	60	60	60	45	60	50	60	60	60	60	30	60	22	55	7	34	57	57	44	40	0	60	45	22	60	48	50	60	60	60	25·1
10	60	60	60	60	25	50	56	60	56	60	60	52	60	0	60	12	38	58	60	52	49	5	60	9	47	60	34	52	60	60	60	24·9
11	60	60	60	60	24	60	28	60	40	60	52	55	60	9	55	12	60	55	55	55	60	2	60	1	54	60	40	43	57	60	60	24·6
Noon	60	60	60	60	1	60	52	60	18	60	60	22	60	0	60	2	23	60	29	60	60	5	60	0	60	60	55	12	60	60	60	22·7
13h	60	60	60	60	35	60	60	57	35	60	60	55	41	0	58	20	60	60	55	60	58	15	60	42	49	60	60	25	60	51	60	25·8
14	60	60	60	60	48	60	60	41	50	60	60	13	6	0	50	10	53	60	55	54	55	55	60	11	55	60	60	21	60	36	50	24·0
15	60	60	60	55	50	60	60	47	45	60	60	36	8	0	55	0	45	53	34	39	60	50	60	40	45	60	20	3	47	17	30	22·0
16	54	60	60	60	43	60	60	20	42	60	45	30	0	22	26	0	40	60	50	13	55	23	60	42	60	25	0	58	24	60	32	20·7
17	54	60	57	55	50	60	60	8	27	60	30	0	0	30	0	4	30	52	50	5	20	0	55	13	16	8	31	60	55	42	34	17·4
18	40	60	57	60	50	60	45	2	48	58	50	6	2	25	0	0	10	45	25	4	0	0	29	2	9	1	50	51	40	0	49	14·6
19	0	8	5	5	5	10	7	0	10	12	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5	6	17	0	30	2·1

The total Amount of Registered Sunshine was 267.0 hrs. and the total possible sunshine was 411·5 hrs.

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

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

DECEMBER 1934.

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

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

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

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

DECEMBER 1934.

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

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during DECEMBER 1934.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

DECEMBER 1934.

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	09	3·5	12	1·8	09	2·7	11	3·1	10	4·3	08	3·4	10	1·6	10	2·9	11	2·1	09	3·4	09	4·3	08	2·7	09	4·4	08	2·6	07	2·1	08	1·3
1h	09	3·9	12	2·2	09	4·0	11	2·1	11	4·2	09	3·4	10	3·0	09	2·4	11	2·3	09	3·2	08	4·0	09	3·0	09	3·9	07	2·9	07	1·5	08	2·0
2	09	5·1	12	2·1	09	4·1	11	2·1	10	3·7	09	3·7	09	2·2	11	3·5	12	1·9	09	3·4	10	3·1	09	2·5	09	3·2	06	3·0	07	1·2	08	1·4
3	10	5·3	12	1·8	10	3·5	10	2·6	10	3·2	09	2·5	09	3·1	11	2·1	12	1·7	09	3·8	09	3·7	09	2·9	08	3·6	06	3·4	07	1·2	08	1·5
4	09	5·8	12	2·2	10	3·9	09	2·8	11	3·5	09	2·6	09	3·5	14	1·8	10	1·8	09	3·4	10	4·1	09	2·8	09	3·4	05	3·3	07	0·9	08	1·6
5	11	5·2	10	3·2	10	2·8	09	4·0	10	3·6	10	2·5	10	2·9	11	1·9	12	2·2	09	3·5	09	3·5	09	2·8	09	3·3	06	2·3	07	1·2	08	1·4
6	11	4·6	11	3·0	10	2·6	09	4·0	10	3·8	10	3·6	10	2·9	11	1·9	12	1·4	09	3·8	09	3·8	09	3·1	08	3·3	09	2·6	07	1·2	08	1·8
7	10	4·7	10	2·4	09	3·5	10	5·2	09	5·8	09	4·6	10	3·3	11	3·5	12	2·0	09	4·1	08	4·6	09	3·7	08	3·5	06	2·5	06	2·2	03	2·1
8	10	5·6	09	6·9	10	4·9	09	6·5	09	6·3	09	5·9	09	4·1	09	4·5	11	4·3	09	4·5	08	4·7	09	4·3	07	4·1	06	4·4	07	3·7	03	3·4
9	10	6·8	09	6·0	09	5·5	10	9·3	09	6·7	10	5·4	09	4·7	11	4·7	10	3·2	09	4·8	07	4·8	07	4·3	07	4·6	02	4·3	06	4·7	02	5·0
10	12	6·7	10	6·5	08	5·9	10	5·0	09	6·9	09	6·3	09	4·7	08	4·4	09	3·3	06	4·5	07	5·3	05	4·1	06	5·0	05	3·7	05	4·4	02	5·5
11	09	7·5	10	6·4	09	5·7	12	7·9	10	6·4	09	6·6	08	5·1	10	4·6	07	3·5	06	5·0	07	5·1	05	4·3	06	5·3	05	5·5	06	4·4	01	5·3
Noon	11	7·3	10	7·0	09	5·7	09	6·6	08	6·6	09	6·1	08	5·6	10	4·8	08	3·5	07	5·0	07	5·3	06	4·9	06	5·0	06	5·1	06	5·6	02	5·8
13h	10	8·0	09	7·0	09	6·0	10	7·2	10	6·6	09	5·8	09	5·6	09	4·4	07	4·0	07	5·1	05	5·9	06	4·4	06	4·5	06	4·3	03	5·8	02	5·8
14	09	7·4	09	7·3	09	5·5	09	6·7	09	6·2	08	6·5	09	5·7	12	3·4	09	4·4	08	4·8	06	5·2	08	4·2	06	4·6	05	4·3	03	5·4	01	5·7
15	10	7·7	12	6·5	08	5·9	08	7·6	09	7·1	08	6·0	08	4·8	d20	2·8	07	4·1	09	3·9	06	5·2	06	4·6	08	3·7	02	4·4	02	5·3	03	5·0
16	10	7·8	10	6·9	12	5·2	09	7·6	09	6·0	09	6·4	06	5·0	20	1·9	06	3·8	09	4·4	05	5·9	06	4·5	09	3·8	02	4·5	02	4·9	02	4·4
17	10	7·2	09	5·8	09	6·2	10	6·1	09	6·1	09	5·7	09	4·6	10	2·9	08	3·8	10	4·6	08	3·7	06	4·1	09	4·4	04	3·7	02	4·5	01	6·0
18	11	6·7	10	5·7	09	5·3	09	6·3	09	6·3	09	5·6	09	4·4	12	4·1	10	3·3	09	4·6	08	4·6	08	4·2	09	2·9	05	3·0	02	4·2	01	4·4
19	12	5·4	11	4·1	12	3·1	09	4·3	08	4·2	10	4·5	09	3·7	11	3·3	10	3·1	10	4·5	08	4·1	08	4·5	08	2·0	06	2·0	03	3·5	02	3·4
20	12	4·3	10	3·3	11	3·3	09	5·0	09	4·0	10	4·0	09	2·8	12	3·0	11	2·7	10	4·2	09	3·5	09	4·4	08	3·4	07	1·6	03	1·4	03	2·8
21	12	3·0	10	3·4	11	3·2	09	4·8	09	3·3	11	3·2	10	3·0	12	1·9	10	2·9	09	4·7	09	3·4	08	4·5	10	2·3	07	1·4	03	1·8	03	2·2
22	12	3·2	10	3·1	10	3·1	09	4·5	09	4·0	09	3·0	09	3·3	12	1·6	10	2·8	09	4·1	09	3·5	08	4·1	09	2·8	07	1·3	03	0·7	03	1·7
23	12	1·9	09	3·1	11	4·0	09	4·4	08	3·4	10	3·4	11	3·0	12	1·7	09	2·9	08	4·6	08	3·2	08	4·1	06	2·7	07	1·1	07	1·1	03	1·9

Hour \ Day	17d. *		18d. *		19d.		20d.		21d		22d.		23d.		24d.		25d. *		26d.		27d.		28d. *		29d.		30d. *		31d. *		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir	Vel	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	03	1·2	06	3·0	03	0·7	06	0·9	06	3·2	06	3·5	08	3·4	08	1·4	05	0·9	11	0·7	11	1·0	08	0·6	09	2·1	11	1·8	11	1·2	2·3
1h	03	2·0	06	2·4	03	0·7	08	1·4	05	4·0	06	3·6	06	2·6	08	1·5	05	0·8	11	1·2	11	1·5	08	0·6	11	2·2	11	1·4	11	0.6	2·4
2	03	1·4	06	2·8	03	0·7	08	1·5	06	3·7	06	4·0	07	2·8	08	1·3	05	1·0	11	2·3	11	1·1	08	0·7	11	1·2	11	1·7	11	1·8	2·4
3	05	1·9	06	1·5	09	0·8	08	0·7	06	3·8	06	3·9	06	3·7	08	2·0	08	1·1	11	1·8	11	0·7	12	0·9	11	1·0	11	1·8	11	1·6	2·4
4	05	1·2	06	1·2	09	0·8	08	0·9	06	4·2	05	4·2	05	3·7	09	2·5	08	0·6	11	1·3	11	1·8	12	1·1	11	1·1	11	1·5	11	1·5	2·4
5	05	0·9	06	1·1	09	1·1	08	0·7	05	4·1	06	4·5	06	2·6	09	3·3	09	1·1	11	1·5	11	1·4	12	1·0	11	1·5	11	1·6	11	1·0	2·4
6	05	1·1	06	1·0	09	1·1	08	0·9	05	3·7	05	4·4	06	2·0	10	3·0	09	1·1	11	1·7	11	1·4	12	1·4	11	1·8	11	1·0	11	0·6	2·4
7	04	1·9	06	2·0	06	2·0	05	1·8	05	4·3	05	6·0	06	4·4	10	3·2	07	1·5	11	1·3	10	2·1	12	0·7	10	2·3	11	1·6	11	0·6	3·0
8	03	4·3	03	3·9	04	3·1	03	4·3	06	6·0	04	5·3	06	5·1	09	3·0	07	2·1	11	1·8	09	2·8	08	1·8	08	2·3	11	2·1	11	0·6	4·1
9	02	4·7	02	4·9	03	3·8	02	4·8	05	6·0	02	5·2	06	5·3	07	4·2	06	2·8	05	2·5	08	2·6	08	1·6	07	3·9	d19	3·0	d19	0·9	4·5
10	01	4·3	02	3·6	03	4·4	02	5·0	06	5·8	02	4·9	05	5·7	04	5·2	05	3·0	06	3·4	05	1·9	10	2·5	06	3·1	24	2·4	24	1·8	4·5
11	01	5·2	02	5·1	03	4·7	03	5·3	06	6·3	05	6·3	06	5·5	03	6·0	03	4·1	07	3·3	06	2·6	09	2·4	06	2·9	24	3·5	24	3·6	5·0
Noon	01	5·2	03	5·1	02	4·6	02	5·3	06	6·0	03	6·3	06	5·9	02	4·4	03	4·1	06	3·2	06	3·0	d20	2·1	05	2·9	22	4·3	22	3·7	5·0
13h	01	4·3	02	5·0	02	5·6	02	4·6	06	6·3	04	6·3	05	5·7	02	4·5	05	3·1	07	3·7	07	4·5	19	3·0	07	3·8	21	3·7	21	3·7	5·1
14	32	3·9	02	4·6	03	4·9	02	4·8	05	5·8	02	6·0	06	6·4	03	4·5	31	4·1	07	3·8	08	3·8	18	2·4	07	2·8	22	2·3	22	4·3	4·9
15	01	3·2	32	5·0	02	4·9	02	5·0	06	5·2	05	5·9	04	5·9	04	5·6	32	4·0	09	3·9	07	3·1	09	4·3	07	4·6	22	3·8	22	3·1	4·9
16	01	3·8	31	4·2	01	4·7	05	4·7	05	5·2	06	5·4	04	5·8	06	4·4	32	4·2	09	1·5	07	2·7	10	4·4	08	5·4	d31	3·0	d31	2·0	4·7
17	32	3·2	33	3·8	01	4·8	05	4·2	06	4·3	04	4·7	05	5·1	06	3·5	03	2·3	06	2·4	05	3·2	10	4·0	10	3·1	03	2·6	03	3·2	4·3
18	03	2·7	02	3·3	02	3·7	06	3·8	06	4·5	05	4·8	06	4·0	06	2·0	04	2·1	08	2·4	07	3·3	09	3·8	09	3·7	06	2·2	06	2·2	4·0
19	06	2·7	02	1·5	04	3·5	06	4·0	06	2·0	05	4·4	05	3·9	05	2·2	04	1·1	11	1·4	09	3·1	09	3·7	09	2·7	12	1·4	12	2·1	3·2
20	06	2·4	02	1·5	03	2·9	05	3·4	07	2·5	05	4·0	06	2·8	05	2·3	04	0·8	11	0·6	08	2·4	09	2·9	10	2·2	13	1·1	13	3·2	2·9
21	06	2·2	03	1·9	03	3·1	06	2·9	06	3·0	06	3·8	06	2·2	05	1·2	08	1·2	11	0·8	08	1·8	09	2·3	10	2·2	12	1·4	12	2·7	2·6
22	05	2·8	03	0·9	03	2·0	07	2·9	06	3·8	06	3·3	06	1·9	05	0·6	10	1·5	11	0·7	08	1·2	09	3·1	10	1·3	12	1·8	12	2·9	2·5
23	05	3·6	03	1·4	04	1·8	06	2·6	06	3·2	06	3·4	07	1.6	05	0·6	11	1·6	11	0·8	08	0·8	09	2·4	09	4·3	12	1·5	12	1·4	2·5

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), DECEMBER, 1934.

Hour	Force (0–12): 8 or above	4 to 7	0 to 3	Direction: N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W
3	...	...	31	...	...	1	5	12	4	9	...	...	...	...	...	...	...	...	...
9	...	6	25	...	6	2	4	12	4	1	...	...	..	2	...	...	...	...	...
15	...	10	21	3	4	4	3	12	1	1	.	...	...	1	2	...	...	...	...
21	...	...	31	...	...	5	5	9	5	7	...	...	...	...	...	...	...	...	...
Totals	...			3	10	12	17	45	14	18	...	...	...	3	2	...	...	...	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for DECEMBER 1934.

Hour \ Day	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
1h	2·0	...	...	...	...	...	...	...	...	..	..	...	...	...	...	0·1	0·1	...	...	...	...	...	...	..	...	...	...	...	...	...	...
2	1·0	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...		...	...	...	...
3	...	..	...	...	0·5	...	...	...	...	0·1	...	...	...		...	0·2	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	..	...	...	...	...	...	0·5	...	...	...	..	...	...	...	...	...	...	..	...	...	...	..	0·2	...
5	...	..	..	...	...	0·4	...		...	...	...	.	...	2·5	...	0·2	0·1	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...
6	...	..	...	...	0·3	0·1	..	...	..	...	...	...	...	0·5	...	...	...	...	...	...	.	...	...	0·1	...	...	...	...	...	...	...
7	...	.	...	...	...	0·1	...	...	...	...	...	...	...	0·5	...	...	0·1	...	...	...	...	...	...	...	...	..	...	...	...	0·1	...
8	...	...	...	...	...	0·1	...	...	...	...	..	...	...	0·5	...	...	0·1	..	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	0·1	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
10	...	..	..	...	...	...	...	...	...	...	...	...	..	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·0	...	...	...	...	...	...	...
Noon	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	..	...	..	..	0·2	...	...	...	..	..	...	...
13h	...	...	...	...	...		...	...	..	..	...	...	...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	..	...
14	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	.	...	..	...	...	...	...	...	...	...	...	...	...	...
15	...	..	...	...	...	...	...	...	...	...	...	0·1	1·2	...	...	...	...	...	...	...	...	...	...	0·5	0·1	...	...	...	...	...	...
16	...	...	..	...	...	...	...	...	...	...	...	..	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	..	...	.	0·1	..	...	...	...	...	...	...	0·3	0·1	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
18	...	...	.	...	...	...	...	...	...	...	..	...	1·5	...	0·1	...	...	...	...	...	...	...	...	...	...	...	..	...	...	1·8	...
19	.	...	...	..	...	...	...	...	...	...	...	...	3·1	0·1	..	..	...	...	...	..	...	...	...	...	...	...	..	...	...	0·5	...
20	...	...	...	...	0·1	...	...	...	...	..	..	..	...	0·1	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
21	...	...	...	...	.	...	...	...	...	...	...	...	..	.	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...
22	...	...	...	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	..	...	.	..	...
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 DECEMBER 1934

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in mms.	Number of days
1	Mare Sèche	20	1·17	29·7	106·9	4
*	St. Antoine	50	1·41	35·8	94·7	4
*	Belmont	50	1·33	33·8	101·9	4
*	Poudre d'Or	20	2·23	56·6	129·0	5
	Mon Loisir S. E.	300	...	...	139·7	...
	Forbach	300	...	...	93·7	...
*	Couroupa	...	...	...	167·1	...
*	Labourdonnais	290	...	...	130·0	...
	Beau Séjour	300	2·54	64·5	138·7	6
	Mont Piton	650	2·13	54·1	163·1	10
	Mon Choix	700	1·69	42·9	150·6	7
	Antoinette	640	2·61	66·3	154·7	9
	Mon Songe	620	2·08	52·8	164·8	6
	Botanical Gardens ...	325	1·67	42·4	150·4	15
*	The Observatory	179	1·06	26·8	118·9	10
	Solitude	175	...	.	94·5	...
	St. André	90	0·75	19·1	103·9	2
	La Nicolière	...	2·82	71·6	...	13
	California	...	2·49	64·3	...	10
	Australia	...	2·52	64·0	...	6
2 & 3	Union Réguard S.E. (Flacq)	600	3·25	82·5	175·5	13
	Constance d'Arifat L.G. ...	100	1·10	27·9	146·8	4
	Rich Fund	600	3·45	87·6	170·4	18
	La Joffrette	...	3·87	98·3	...	9
	Belle Vue (Allendy) ...	...	1·92	48·8	217·4	6
4 *	Sans Souci	900	5·18	131·6	274·6	17
	Beau Champ (G.R.S.E.) ..	20	3·04	77·2	161·3	10
	Olivia	400	2·73	69·3	226·6	10
	Trois Ilots	...	2·44	62·0	...	9
	Belle Rive	400	3·83	97·3	...	15
	Sébastopol	700	6·00	152·4	...	11
	Bonne Veine	400	5·55	141·0	407·7	21
5	Rose Belle	850	2·84	72·1	...	12
	New Grove	650	2·02	51·3	...	9
	Mon Trésor	...	2·27	57·7	...	12
	Mon Désert (Carié) ...	75	2·60	66·0	157·7	10
	Ferney	20	3·94	100·1	217·4	10
	Sauve Terre	...	1·86	42·2	...	4
6	Tivoli	1,300	3·39	86·1	273·3	18
	La Flora	1,050	4·09	103·9	247·9	16
6	Riche Bois (Brit.) ...	650	1·84	46·7	...	11
	Britannia (Estate) ...	700	1·39	35·3	229·6	12
	Savannah (Mill) ...	200	3·76	95·5	171·2	2
	St. Aubin	300	1·66	42·2	194·1	5
	St. Avold	900	2·15	54·6	246·4	13
	Colmar	400	1·27	32·3	178·8	9
	Union S. E.	...	1·68	42·7	161·0	5
	Fontenelle	320	1·84	46·7	157·2	3
	Choisy	200	4·16	105·7	...	10
	Beau Bois	...	1·68	42·7	...	8
	Bel Air	...	2·55	64·8	..	3
	St. Félix	...	2·42	61·5	...	2
7,8,9&10	Bel Ombre	40	2·31	58·7	137·2	9
	Beau Champ (B. du Cap)	70	3·21	81·5	...	5
	Frédérica	...	3·75	95·2	...	7
	Pierre Fond	...	3·68	93·5	...	13
	Ste. Marie	...	3·79	96·3	...	5
	Hussonia Limited .	..	0·76	19·3	...	3
11	Curepipe Gardens ...	1,840	5·51	140·0	267·5	27
	Mare aux Vacoas (G.E.)	1,850	5·25	133·3	281·2	16
	Mare aux Vacoas (Arn.)	1,830	5·11	127·8	290·3	16
	La Marie Filter Bed ..	1,700	3·90	99·1	245·1	12
*	Sophie	...	6·71	170·5	...	15
	Réunion	1,420	3·12	79·2	223·3	13
*	Aerological Station ...	1,393	3·10	78·8	302·5	16
12	Quatre Bornes (Board) ...	1,090	3·50	88·9	...	7
*	Le Réduit (D. of A.) ...	1,000	3·19	81·1	163·1	21
	Alma	1,460	3·72	94·5	282·5	16
	Bagatelle	1,250	4·54	115·3	179·1	11
	Highlands	1,300	3·04	77·2	218·2	11
	Trianon	950	...	...	174·7	...
	Val Ory	1,100	...	...	181·1	...
	Bassin	...	4·01	101·9	...	10
	Hermitage	1,450	4·45	113·0	...	11
	Ebene	...	4·06	103·1	...	10
	Bega	...	3·53	89·7	...	10
	Mon Rêve	...	3·36	85·3	...	10
	Mont Pevril	...	4·26	108·2	...	10
	Minissy	1,150	3·40	86·4	234·7	10
	Plaisance	...	2·99	75·9	...	8
	La Ferme	350	1·52	38·6	...	12

TABLE XV B.—*Further Rainfall Returns for 1934*

River System	STATION	Approx. Altitude feet	Total fall in inches	Total fall in mms.	Normal	Number of days
1	Mon Loisir (S.E.) (March) ...	300	2·34	59·4	213·1	19
	,, (June)	300	3·66	90·4	99·3	15
	,, (July) ...	300	2·79	70.9	89·9	17
	,, (August) ...	300	1·50	38·1	70·6	13
	,, (September) ...	300	2·15	54·6	47 0	14
	,, (October) ...	300	1·50	38·1	57·9	9
	,, (November) ...	300	6·13	155·7	54·9	8
	,, (December) ...	300	2·02	51·3	132·6	9
	Forbach (January) ...	300	4·27	108 5	214·1	10
	(February) ...	300	1·55	39·4	185·2	4
	,, (March) ...	300	1·16	29·5	168 4	10
	,, (April) ..	300	0·89	22·6	132·1	10
	,, (May) ...	300	10·08	256·0	117·6	25
	,, (June) ...	300	3·12	79·2	64·8	19
	,, (July) ...	300	1·91	48·5	52·8	17
	,, (August) ...	300	3·36	85·3	58·2	14
	,, (September) ...	300	2·43	61·7	30·5	15
	,, (October) ...	300	1·20	30·5	52·3	11
	,, (November) ...	300	5·16	131·1	45·7	8
	,, (December) ...	300	1·95	49·5	91·4	7
	Couroupa (December) ...	...	1·50	38·1	151·9	3
	Labourdonnais (September) ...	290	2·34	59·5	40·9	11
	,, (October) ...	290	1·38	35·0	51 1	7
	,, (November) ...	290	6·10	155·0	50·8	8
	,, (December) ...	290	1·16	29·5	128·0	5
	Mon Songe (October) ...	620	1·32	335·0	64·3	5
	Solitude (October) ...	175	1·14	29·0	30·0	4
	,, (November) ...	175	6·09	154·7	31·2	11
	,, (December) ...	175	1·16	29·5	94·0	9
4	Beau Champ G.R.S.E. (Mar) ...	20	1·77	45·0	283·7	15
	,, (August) ...	20	1·62	41·1	92·5	15
	Olivia (March) ...	400	3·37	85·6	325·4	18
	,, (August) ...	400	3·01	76·5	152·7	18
	Trois Ilots (March) ...	...	2·34	59·4	...	13
	,, (August) ...	...	1·80	45·7	...	16
	Belle Rive (March) ...	400	4·59	116·6	296 7	24
	,, (August) ...	400	3·35	85·1	224·3	19
5	Rose Belle (March) ..	850	6·92	175·8	422·1	25
	,, (August) ...	850	5·35	135·9	247·9	22
	New Grove (March) ...	650	7·20	182·9	543·8	20
	,, August) ...	650	4·13	104·9	205·5	16
6	Savanah (Mill) (January)	200	18·89	179 8	276·6	10
	,, (February) ..	200	4·40	111·8	262·1	14
	Bel Air (January ...	200	17·13	435·1	245·6	8
	,, (February) ...	200	4·62	117·3	221·0	10
	,, (March) ...	200	2·96	75·2	254·0	10
	,, (April) ...	200	1·66	42·2	210 3	9
11	St. Félix (January) ...	...	18·90	480·0	..	10
	,, (February) ...	...	4·64	115·3	...	15
	,, (March) ...	...	5·42	137·7	...	17
	,, (April) ...	...	2·89	73·4	...	9
	Mare-aux-Vacoas (G.E. (June)	1850	13·59	345·2	197·9	27
	Mare-aux-Vacoas (Arn.) (June)	1830	16·90	429·2	269·7	28
	La Marie Fitter Bed (Nov.) ...	1700	7·08	179·8	109·2	14
12	Phœnix (January) ...	...	12·10	307·3	324·1	12
	,, (February) ...	...	2·80	71·1	290·8	10
	,, (March) ...	...	3·18	80·8	313·7	12
	,, (April) ...	...	6·83	173·5	176·5	13
	,, (May) ...	...	6·87	174·5	134·6	24
	,, (June) ...	...	4·42	112·3	95·8	20
	,, (July) ...	...	2·47	62·7	106·7	14
	,, (August) ...	...	4·34	110·2	110·5	17
	,, (September) ...	...	3·37	85·6	68·6	16
	,, (October) ...	...	1·50	38·1	59·2	7
	,, (November) ...	...	7·22	183·4	83·8	13
	,, (December) ...	...	2·79	70·9	193·0	10
	Quatre Bornes (January) ...	...	8·01	203·5	...	9
	(February) ...	...	1·53	38·9	...	5
	,, (March) ...	...	1·84	46·7	...	7
	,, (April) ...	..	3·25	82·5	...	5
	,, (May) ...	...	7·47	189·7	...	16
	,, (June) ...	...	3·20	81·3	...	18
	,, (July) ...	...	1·38	34·0	...	11
	,, (August) ...	...	2·68	68·1	...	15
	,, (September)	...	2·39	60·7	...	18
	,, (October) ...	...	0·80	20·3	...	4
	,, (November)	...	6·72	170 7	...	14
	,, (Dec.) ...	...	3·13	79·5	261·6	7
	Trianon (January) ...	950	12·76	324·1	273·6	11
	,, (February) ...	950	1·47	37·3	288·8	10
	,, (March) ...	950	1·68	42·7	144·8	12
	,, (April) ...	950	3·47	88·1	...	9
	,, (May) ...	950	4·78	121·4	101·6	21
	,, (June) ...	950	2·92	74 2	68·8	18
	,, (July) ...	950	1·26	32·0	69·3	13
	,, (August) ...	950	2·82	71·6	71·1	16
	,, (September) ...	950	2·35	59·7	43 2	18
	,, (October) ..	950	0·97	24 6	47·2	10
	,, (November) ..	950	6·99	177·5	59·7	14
	,, (December) ...	950	2·62	66·5	174·8	10
	La Ferme (February) ...	350	2·40	61·0	188·0	6

TABLE XV C—TOTAL ANNUAL RAINFALL AT VARIOUS STATIONS IN MAURITIUS GROUPED ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE YEAR 1934.

River System	Station	Approx. Altitude Feet	Total Fall in Inches	Total Fall in Millimetres	Normal in Millimetres
1	Mare Sèche	20	34·53	877·0	1,259·2
	St. Antoine	50	38·43	976·1	1,168·1
	Belmont...	50	40·00	1,016·0	1,223 4
	Poudre d'Or	20	46·23	1,174·2	1,240·5
	Mon Loisir S.E.	300	43·94	1,116·1	1,538·2
	Forbach	300	37·17	944·1	1,201·1
	Couroupa	...	40·23	1,021·8	1,503·1
	Labourdonnais	290	42·45	1,078·2	1,465·3
	Beau Séjour	300	50.13	1,273·3	1,734·5
	Mont Piton	650	50·16	1,274·0	1,789·1
	Mon Choix	700	43·84	1,113·5	1,652·7
	Antoinette	640	55·77	1,416·5	1,787·1
	Mon Songe	620	59.41	1,509.0	1,877·5
	Botanical Gardens ...	325	70·63	1,794.0	1,530·8
	The Observatory	179	47·47	1,205·7	1,263·6
2 & 3	Solitude	175	39·21	995·9	963·9
	St. André (Cour)	90	40·82	1,036·8	1,156·2
	La Nicolière	...	77·10	1,958·3	...
	California	...	...	...	...
	Australia	...	59.18	1,503·1	..
	Union Régnard S.E. ...	600	74·63	1,895·6	1,949·4
	Constance d'Arifat (L.G.) ...	100	44·40	1,127·7	1,573·8
	Rich Fund	600	74·69	1,897·1	2,123·4
	La Joffrette	...	66·81	2,966·9	...
	Belle Vue (Allendy) ...	...	65·17	1,655·3	1,983·2
4	Sans Souci	900	128·87	5,833·5	3,459·2
	Beau Champ G.R.S.E. ...	20	68·19	1,732·0	1,570.7
	Olivia	400	75·71	1,923·0	2,394.2
	Trois Ilots	...	69·77	3,042·1	...
	Belle Rive	400	93·65	2,378·7	...

TABLE XVc.—(*Continued*)—TOTAL ANNUAL RAINFALL AT VARIOUS STATIONS IN MAURITIUS GROUPED ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE YEAR 1934.

River System	Station	Approx. Altitude Feet	Total Fall in Inches	Total Fall in Millimetres	Normal in Millimetres
4 Cont.	Sébastopol	700	96.88	3,729.4	..
	Bonne Veine	400	113.26	2,886.9	3,717.6
5	Rose Belle	850	107.39	2,727.7	..
	New Grove	650	95.19	2,417.8	...
	Mon Trésor	...	66.98	2,071.2	...
	Mon Désert (Carié) ...	75	64.22	1,631.2	...
	Ferney	20	80.56	2,046.2	2,321.3
	Sauve Terre	...	61.82	2,840.2	...
6	Tivoli	1,300	90.78	2,305.8	3,427.9
	La Flora	1 050	99.66	2,531.3	3,443.4
	Riche Bois (Brit)... ...	650	75.52	1,918.2	...
	Britannia (Estate) ...	700	77.37	1,965.2	2,754.2
	Savannah (Mill)	200	70.78	1,797.8	1,897.1
	St. Aubin	300	56.64	1,438.6	1,966.2
	St. Avold	900	90.18	2,290.5	3,021.0
	Colmar	400	86.56	2,198.6	2,315.4
	Union S.E.	.	57.73	1,466·3	1,787.4
	Fontenelle	320	70.30	1,785·6	1,923.8
	Choisy	200	62 45	1,586.2	...
	Beau Bois	...	81.58	2,072.1	...
	Bel Air	..	69.47	1,764.5	..
	St. Félix	..	81.24	2,063.5	..
7,8, 9&10	Bel Ombre	40	50 22	1,275.6	1,575.8
	Beau Champ (B. du Cap) ...	70	52.21	1,326.1	...
	Frédérica	...	63 01	1,600.4	...
	Pierre Fond	...	47.30	1,201.4	...
7,8, 9&10	Ste Marie	...	59.27	1,505.4	...
	Hussonia (Limited) ...	...	16.72	424.7	...
11	Curepipe Gardens ...	1,840	110.52	2,807.1	3,130.3
	Mare-aux-Vacoas (G.E.) ...	1,850	115.43	2,931.9	3,706.7
	Mare-aux-Vacoas (Arn.) ...	1,830	124.08	3,151.6	3.771.7
	La Marie Filter Bed ...	1,700	98.85	2,510.7	2,682.5
	Sophie	...	111.18	2,823.9	...
	Réunion...	1,420	78.85	2,002.7	2,262.1
	Aerological Station ...	1,393	73.11	1,857.0	2,328.4
	Phœnix	...	57.89	1,470.4	...
	Quatre Bornes	...	42.40	1,026.1	...
12	Quatre Bornes (Board) ...	1,090	45.41	1,026.4	—
	Le Réduit (D. of A.) ...	1,000	42.97	1,091.4	1,460.2
	Alma	1,460	95·00	2,413.0	3,215.3
	Bagatelle	1,250	75.52	1,918.2	2,015.5
	Highlands	1,300	74.69	1.897.1	2,235.4
	Trianon	950	44.09	1,119.9	1,604.5
	Val Ory	1,100	37·99	972.9	1,653.6
	Bassin	...	50.27	1,276.8	...
	Hermitage	1,450	74·10	1,879.6	..
	Ebène	...	42.55	1,080.7	...
	Bega	..	41.73	1,059.9	...
	Mon Rêve	...	46.56	1,182.6	...
	Mont Pevril	...	47.63	1,209.8	...
	Minissy	1,150	47.63	1,209.8	1,909.3
	Plaisance	...	61.64	1,565.6	...
	La Ferme	350	29.97	761.2	..

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 1934.

Type. / Day.	Time	Scud		Cumulus Cu. St. &c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cumulus Cu. St. &c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	9½	120	19·5*	117	21·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	10¼	107	11·5	90	11·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	97	20·2*	105	12·1	...	...	...		...	...	285	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	12¼	...	...	90	13·0	...	...	...	...	...	...	270	...
5	9½	90	19·0*	90	11·4*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	11½	95	16·1*	90	3·6*	...	...	...	...	...	...	...	...	14¼	100	11·3*	96	13·8*	...	...	...	...	...	...	...	...
7	9¼	...	...	90	11·4*	...	...	...	...	...	...	270	1·6*	14¼	...	...	105	12·7	...	...	...	...	...	...	300	...
8	9¾	...	...	...	...	...	...	...	...	...	...	300	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	14½	...	...	90	4·5	360	...	...	...	...	...	285	...
11	11½	90	20·0	105	12·5	330	...	300	...	...	...	...	...	13¾	88	16·3*	90	11·1*	...	...	...	...	...	...	315	1·0*
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	12¼	...	...	60	18·0	...	...	...	...	...	...	270	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	15¾	...	...	360	...	...	...	...	...	...	...	60	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	15	5·6	300	...	270	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	9¾	...	...	...	...	15	8·5	...	...	...	...	240	...	15¼	...	...	30	10·5	...	...	...	...	...	...	240	...
21	9¼	45	16·6	60	19·7	...	...	...	...	...	...	315	2·3	14¾	...	...	45	14·5	330	2·4	...	...	...	...	300	...
22	12	...	...	49	12·4*	311	1·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	9½	120	12·1	90	6·8	...	...	...	...	...	...	255	...	13¾	...	...	...	...	...	...	226	5·9*	...	...	296	1·1*
27	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	146	4·5	4·5*	14·6	4·8*	...	266	0·7*	...	...	...	...
28	11½	146	4·3*	146	6·4*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	11	60	5·4	75	5·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

* Observatory Pamplemousses.

Monthly and Yearly Means and Extremes of the Meteorological Elements for the Year 1934.

Month 1934	Atmospheric Pressure	Temperature of the Air							Excess of Air Temperature over Evaporation Temperature	Temperature of the Dew Point	Relative Humidity (Saturation = 100)	Vapour pressure	Rainfall	
		Absolute Maxima	Absolute Minima	Absolute Range	Mean of the Daily Maxima	Mean of the Daily Minima	Mean of the Daily Ranges	Mean					Amount recorded by the Beckley pluviograph	Duration
	mbs.	°c.	°c.	°c.	°c.	°c.	°c.	°c.	°c	°c.	%	mbs.	mms	mins.
Jan.	1004·1	32·0	20·5	11·5	29·4	22·8	6·6	25·6	2·9	20·6	74·1	24·0	176·7	1331
Feb.	1005·1	30·9	20·9	10·0	29·3	22·5	6·8	25·4	2·7	20·8	76·0	24·4	30·5	235
Mar.	1006·2	31·0	19·8	11·2	29·1	22·1	7·0	25·2	2·7	20·5	75·7	24·1	47·6	541
April	1009·1	29·7	17·8	11·9	28·5	21·0	7·5	24·3	2·7	19·7	75·4	22·7	264·3	905
May	1011·1	27·8	17·1	10·7	25·8	19·8	6·0	22·5	1·9	19·1	81·6	22·0	196·1	1653
June	1012·9	25·0	14·5	10·5	23·7	17·4	6·3	20·2	2·4	16·0	76·9	18·1	76·8	745
July	1013·8	24·6	13·8	10·8	23·5	16·6	6·9	19·8	2·3	15·6	77·3	17·6	31·8	466
Aug.	1016·0	24·1	12·1	12·0	22·9	16·5	6·4	19·4	2·7	14·5	73·5	16·4	70·9	710
Sept.	1014·4	25·8	14·3	11·5	23·8	16·9	6·9	20·1	2·6	15·5	74·9	17·4	85·5	801
Oct.	1012·4	27·2	13·2	14·0	25·2	17·2	8·0	21·1	3·1	15·6	70·8	17·6	28·8	320
Nov.	1008·9	29·6	16·3	13·3	27·7	19·8	7·9	23·4	2·7	18·7	75·3	21·4	169·9	797
Dec.	1006·8	32·0	18·9	13·1	29·7	22·7	7·0	25·6	2·8	20·8	74·8	24·3	27·3	225
Year	1010·2	28·3	16·6	11·7	26·5	19·6	6·9	22·7	2·6	18·1	75·5	20·8	1206.2	hrs. 145·5
Max.	1019·5 Aug. 30th	32·0 Jan. 6th Dec. 30th	...	14·0 Oct.	29·7 Dec.	...	8·0 Oct.	...	...	24·8 Jan. 29th	100% often	31·0 mbs. Jan. 29th	235·6 m.m. ending 21 hrs. on April 30th	
Min.	974·7 Jan. 29th	...	12·1 Aug. 22nd	10·0 Feb.	...	16·5 Aug.	6·0 May	...	...	9·4 July 26th	41·3 Jan. 4th	11·7 mbs. July 26th	.....	
Col.	1	2	3	4	5	6	7	8	9	10	11	12	13	14

Month 1934	Mean Daily Amount of Evaporation	Mean Minimum on grass	Temperature of the Soil				Mean amount of Cloud (0 – 10).	Daily Duration of Bright Sunshine	Percentage of Possible Sunshine	Observed Velocity	Number of Days of		
			Feet 10	Feet 5	Feet 2	ins. 12					Rain	Thunderstorms	Lightning
	mms.	°c.	°c.	°c.	°c.	°c.		hrs.	%	m.p.h.			
Jan.	7·4	21·4	24·25	25·60	27·95	28·18	6·4	7·81	59·3	4·70	22	1	2
Feb.	7·7	20·9	24·59	26·04	28·04	28·48	5·5	9·75	76·7	3·58	19	0	0
Mar.	6·9	20·5	24·98	26·45	28·13	28·24	4·8	9·65	79·3	3·75	24	0	0
April	6·2	19·3	25·27	26·31	26·92	26·82	5·0	8·23	71·3	3·15	21	0	0
May	4·3	18·7	25·39	25·89	25·24	24·61	6·5	5·58	49·4	3·10	27	0	0
June	4·2	14·9	25·31	24·87	23·41	22·52	4·7	7·59	69·6	3·59	25	0	0
July	4·0	14·5	24·97	23·93	22·27	21·57	5·5	7·25	65·9	3·20	28	0	0
Aug.	4·8	14·6	24·62	23·45	21·89	21·17	5·5	7·83	68·3	4·00	22	0	0
Sept.	4·7	15·3	24·30	23·12	22·11	21·82	6·5	6·82	57·2	3·71	21	0	0
Oct.	5·7	14·3	24·13	23·38	23·20	23·33	5·3	8·46	68·4	3·43	15	0	0
Nov.	5·7	17·4	24·08	23·85	24·71	25·21	6·1	7·41	57·1	3·11	13	0	0
Dec.	6·5	20·7	24·12	24·73	26·48	27·19	5·6	8·60	64·8	3·52	14	1	1
Year	5·7	17·4	24·67	24·80	25·03	24·93	5·6	7·91	65·6	3·57	251	2	3
Max.	10.8 Jan. 12th Feb. 23rd	...	25·6 May 2nd	26·7 April	28·5 March	29·4 March	...	12·5 brs. Jan. 24th	95% Jan. 24th	18.1 m.p.s. Jan. 29th	28 July	...	..
Min.	1·8 May 19th	9·6 July 14th	23·6 Oct.	22·9 Sept.	21·6 Aug.	20·8 Aug.	...	...	...	...	13 Nov.	...	...
Col.	15	16	17	18	19	20	21	22	23	24	25	26	27

Month.	Declination. (West)	Horizontal Force. (C.G.S. Unit.)	Vertical Force. (C.G.S. Unit.)	Total Force. (C.G.S. Unit.)	Dip. (South)	X	Y	Z	Mean of the Daily Ranges: Declination.	Horizontal Force (Unit γ)	Vertical Force (Unit γ)
January ...	...	...	...	...	...	...	...	...	...	...	...
February ...	...	...	...	...	...	...	...	...	...	...	...
March ...	...	Basement under repairs Magnetographs dismounted					...	...	...	...	...
April ...	...	...	...	...	...	...	...	...	...	...	...
May ...	...	...	...	...	...	...	...	...	...	...	...
June ...	12°48·77	·22539	·29674	·37263	52°46·87	21978	—·04998	·29674	3·79	31·3	14·4
July ...	12°47·23	·22519	·29671	·37267	52°46·00	·21986	—·05003	·29671	4·24	30·3	16·1
August ...	12°50·17	·22529	·29656	·37247	52°46·63	·21965	—·05005	·29656	4·81	34·3	18·3
September ...	12°51·20	·22537	·29664	·37253	52°46·50	·21972	—·05013	·29664	6·84	44·6	24·2
October ...	12°51·68	·22536	·29664	·37253	52°46.58	·21970	—·05016	·29664	6·45	42·2	19·6
November ...	12°52·12	·22547	·29672	·37267	52°46·25	·21980	—·05021	·29672	6·20	31·9	15·8
December ...	12°53·39	·22559	·29698	·37294	52°46·83	·21990	—·05032	·29698	6·25	31·4	17·5
For the year* ...	12°50·94	·22542	·29671	·37263	52°46.52	·21977	—·05012	.29671	5·51	35·1	18·0

* Mean of the seven monthly values.

TABLE XIX.—MEAN MONTHLY VALUES OF POTENTIAL GRADIENT: VOLTS PER METRE, 1934.

Hour \ Month	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
0	111	76	96	92	98	115	104	97	98	99	85	90	97
1	140	84	103	108	97	120	123	114	107	129	115	107	112
2	226	123	148	154	131	168	147	144	143	179	233	223	168
3	260	276	244	287	225	222	199	189	261	245	295	374	256
4	163	364	360	371	364	274	286	218	274	140	177	295	274
5	78	240	207	67	381	135	244	155	167	83	96	185	170
6	74	121	126	42	250	59	115	96	129	87	90	123	109
7	73	86	90	72	195	65	87	89	113	85	93	83	94
8	76	72	74	74	164	71	86	85	91	83	87	72	86
9	79	73	75	80	142	80	88	87	90	76	85	72	86
10	82	77	78	79	110	84	100	91	85	84	85	79	86
11	84	82	82	78	90	87	91	87	88	88	87	89	86
12	85	86	90	83	75	98	90	94	88	94	99	101	90
13	91	94	99	106	82	123	114	114	114	124	112	112	107
14	98	101	113	125	118	143	162	141	134	136	115	114	125
15	109	121	153	151	161	154	223	149	157	169	114	125	149
16	121	123	135	145	181	131	195	123	145	163	135	119	143
17	108	109	116	122	150	129	170	109	145	144	126	106	128
18	98	97	106	133	136	137	158	103	127	131	132	100	121
19	102	90	116	117	116	122	113	106	128	121	125	98	113
20	92	84	106	107	93	91	127	108	129	113	102	97	104
21	71	83	101	103	81	100	120	102	123	105	92	91	98
22	82	80	99	92	80	103	107	95	103	102	76	80	92
23	103	75	96	91	72	143	106	94	103	100	70	82	95
No. of days	5	6	9	13	3	5	11	10	10	20	9	11	...
Non-cyclic change 24-0	— 6	— 32	— 35	—12	+ 30	— 5	— 4	— 3	+ 3	— 20	+ 1	— 4	...

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