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

Mauritius. ROYAL ALFRED OBSERVATORY, (MAURITIUS)

(LATITUDE 20° 5' 39" S -LONGITUDE 3h 50m 12.6s E.)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JANUARY, 1943.

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TABLE I.-RESULTS OF MAGNETICAL OBSERVATIONS made during the month of JANUARY, 1943.

Month and Day	Mean Declination (West)	Mean Horizontal Force. (C.G.S.) (Units)	Mean Vertical Force. (C.G.S.) (Units)	Daily Range ƒ Declination	Daily Range ƒ Horizontal Force	Daily Range ƒ Vertical Force
				Unit 1 γ		
JAN.	° ′			′		
1	14 24.5	.22455	.29987	5.5	43	16
2	25.7	432	991	4.8	43	11
3	25.3	433	987	6.0	73	23
4	26.1	430	992	7.7	90	22
5	26.0	423	996	3.2	41	13
6	25.4	425	992	5.5	29	23
7	25.6	432	992	6.5	37	15
8	25.3	437	989	11.0	25	32
9	25.1	427	991	8.0	33	14
10	25.8	435	991	7.0	41	14
11	25.6	435	992	7.3	39	15
12	25.9	433	991	6.0	42	12
13	25.9	427	990	3.7	30	14
14	26.1	433	989	4.0	16	18
15	25.3	438	981	8.3	21	26
16	25.8	432	988	5.3	57	15
17	25.8	423	988	10.0	110	32
18	26.3	418	993	6.7	39	9
19	25.7	422	989	9.0	31	21
20	26.6	412	994	6.7	95	27
21	26.5	387	996	10.5	63	40
22	27.0	410	994	8.0	17	23
23	26.3	409	999	4.8	31	3
24	26.0	416	999	6.7	24	16
25	26.7	420	995	6.8	20	23
26	26.2	421	991	11.5	46	26
27	26.3	418	994	8.7	33	24
28	26.8	417	991	11.7	55	19
29	26.8	424	991	6.6	10	10
30	26.2	427	988	4.8	34	17
31	26.5	426	987	6.0	23	16
Mean	14 25.95	.22425	.29991	7.04	41.6	19.0

T = .37448; Mean Dip = 53°12′.85; X = .21717; Y = .05589; Z = .29991.

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

Description of the Principal Magnetic Disturbances.

1d. Slightly disturbed at end.

3d. Second half: gradual start, with slightly disturbed trace of a disturbance culminating during second half of 4d. Between 14h. and 23h. on 4d. large wave-form fluctuations of the order of 50γ - 60γ. Disturbance subsides after 23h.

5d. Slightly disturbed on the whole.

12d. Very slightly disturbed - small pulsations.

16d. 21h.30m. Positive wave (20γ).

17d. 6h.30m. Disturbed trace - moderate storm with sudden commencement at 6h.30m. Irregular features with fluctuations of the order of 41γ.

19d & 20d. First half: Slightly disturbed on the whole - From 20d.20h. irregular fluctuations of minor importance. From 21d.0h.10m. large positive wave 63γ with partial recovery.

21d. Slightly disturbed on the whole.

22d. Moderately disturbed: Isolated positive waves 30γ to 50γ. One sharp single peak wave 50γ between 4h. 15m. and 5h. 30m.

23d. Slightly disturbed.

26d. Second half: slightly disturbed; important decrease from 11h. till 14h.10m. followed by partial recovery.

28d. Slightly disturbed.

TABLE II. RESULTS OF ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the Month of JANUARY, 1943.

Declination West				Horizontal Force				Dip (South)				Resulting Vertical Force
Day and hour			Observed Value	Day and hour			Observed Value	Day and hour			Observed Value	
d	h	m	° ′	d	h	m		d	h	m	° ′	
5	14	30	14.25.27	6	9	48	.22421	5	14	43	53.13.62	.29990
15	14	42	14.22.15	13	9	32	.22444	15	14	53	53.11.31	.29973
22	14	38	14.24.73	16	9	45	.22451	22	14	53	53.14.37	.29990
				18	9	26	.22431					
				21	9	48	.22411					
				25	9	50	.22420					
				28	9	28	.22429					

TABLE III. MAGNETIC DECLINATION (WEST) at every Hour of the Day as deduced from the PHOTOGRAPHIC RECORDS.

JANUARY, 1943.

14° +

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	25.[illegible]	26.5	25.7	25.3	25.5	25.5	25.7	25.5	26.0	25.5	26.5	25.3	26.0	26.0	25.7	25.8	Midnight
1h	25.7	27.0	26.2	26.2	24.5	25.0	25.3	25.7	26.3	25.7	26.5	25.5	26.3	26.3	26.3	25.8	1h
2	25.8	27.3	26.7	26.5	26.0	24.7	26.0	26.0	26.5	25.3	25.7	25.7	26.3	26.5	26.5	26.5	2
3	26.2	27.7	27.0	27.0	26.5	26.5	26.5	26.5	25.0	26.0	26.3	26.0	26.5	26.2	26.5	26.5	3
4	26.5	27.5	27.3	27.3	26.5	26.3	26.7	26.7	26.3	26.0	27.0	26.7	26.7	26.3	27.0	26.7	4
5	26.7	27.7	27.7	29.0	27.5	26.5	27.0	27.3	28.0	27.0	27.5	27.3	27.0	26.7	27.5	27.3	5
6	27.3	28.3	26.5	29.7	27.0	27.7	27.7	28.0	29.0	28.3	29.0	27.7	27.3	27.3	28.3	28.0	6
7	27.5	28.0	29.0	29.5	27.7	28.0	28.5	29.0	27.5	30.0	29.0	28.0	27.7	28.0	30.0	28.3	7
8	26.5	27.0	28.7	27.3	27.3	28.0	28.0	29.7	27.0	29.7	27.7	29.0	27.3	27.7	28.5	27.5	8
9	25.7	25.0	26.3	26.0	26.3	27.3	27.7	28.7	25.7	28.0	27.0	29.0	26.7	27.3	26.0	26.7	9
10	24.0	24.3	25.0	25.0	26.0	26.7	27.0	27.5	25.0	26.0	26.0	27.3	26.0	27.5	24.5	25.5	10
11	23.5	25.0	24.0	25.3	25.7	25.0	24.5	24.5	22.3	25.0	25.3	27.0	25.7	27.7	23.5	25.0	11
Noon	22.3	25.3	22.5	25.8	25.0	23.0	23.3	22.0	21.0	24.0	24.0	25.7	25.0	27.0	22.0	23.5	Noon
13h	22.0	25.7	23.0	26.0	25.0	22.5	22.3	19.5	21.0	23.5	23.0	24.3	26.7	26.0	21.7	23.7	13h
14	22.2	24.5	23.7	24.0	25.3	23.5	22.0	18.7	22.0	23.0	21.7	23.0	26.7	25.0	22.0	23.0	14
15	22.7	24.0	23.0	23.0	25.0	23.0	23.5	20.5	22.7	23.5	23.0	23.0	24.2	25.3	22.7	23.0	15
16	22.5	23.5	23.0	22.0	25.0	23.7	24.5	23.0	23.0	24.0	23.0	23.7	24.0	25.0	23.3	23.7	16
17	22.5	23.7	23.5	26.0	25.7	25.0	25.5	25.0	24.0	24.7	24.0	24.5	24.0	24.3	24.0	24.0	17
18	23.0	24.0	24.3	26.5	25.7	25.0	25.7	25.7	25.3	25.3	24.7	25.0	24.7	24.0	24.0	25.0	18
19	23.0	24.7	24.3	24.0	25.5	25.3	25.7	25.5	26.0	25.6	25.5	25.0	25.5	25.0	25.0	26.3	19
20	23.3	24.3	24.3	25.0	25.7	26.3	25.7	25.0	25.7	25.5	26.0	25.3	25.3	25.0	25.0	26.0	20
21	23.7	25.5	24.0	27.5	26.5	25.7	25.5	25.7	26.0	25.5	26.0	25.5	25.5	25.3	25.3	26.5	21
22	24.0	25.3	24.3	25.7	26.5	25.0	25.7	25.3	25.7	26.0	25.7	25.7	25.7	25.5	25.2	26.5	22
23	25.5	25.7	25.0	26.3	25.7	25.5	25.0	25.7	25.7	26.3	25.5	26.0	26.0	25.7	25.7	27.0	23

14° +

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
Midnight	26.5	27.3	26.5	26.5	28.5	26.5	26.5	26.3	26.7	26.5	26.5	26.5	26.5	26.7	26.7	26.2	Midnight
1h	26.5	27.0	26.7	26.7	29.0	27.0	26.7	26.5	26.5	26.3	26.5	26.5	26.5	27.0	27.0	26.3	1h
2	26.7	27.3	27.0	26.7	29.0	25.3	25.3	26.2	26.5	26.2	26.5	26.5	26.5	27.0	27.8	26.4	2
3	26.7	27.7	27.3	27.3	29.3	27.5	27.5	26.7	26.7	26.3	27.0	26.7	27.0	27.0	27.0	26.8	3
4	26.3	28.0	27.7	27.7	30.0	27.7	28.0	27.2	26.5	26.7	27.3	27.0	27.5	27.3	27.7	27.1	4
5	27.0	28.0	27.7	28.3	30.7	27.0	27.7	26.7	27.3	27.5	27.5	27.7	28.0	27.7	28.0	27.6	5
6	28.5	29.5	29.0	29.0	31.5	29.0	28.3	28.0	28.0	27.5	28.3	28.5	29.0	28.5	29.0	28.4	6
7	30.0	30.0	30.0	30.0	31.0	30.5	28.0	28.0	28.5	29.5	29.0	30.5	30.0	28.5	30.0	29.0	7
8	29.3	29.0	28.3	29.7	30.3	31.0	28.0	28.5	29.0	31.0	29.7	31.7	30.3	27.5	28.3	28.7	8
9	28.3	27.7	27.7	29.0	29.7	31.5	27.8	28.7	30.3	31.5	30.0	31.0	29.0	27.0	27.0	27.9	9
10	26.0	26.5	26.7	28.0	26.3	30.0	27.0	28.0	30.0	30.0	30.0	31.3	28.5	26.7	25.0	26.9	10
11	26.5	24.7	23.5	26.3	23.5	26.5	25.0	26.0	28.0	27.0	28.5	30.0	28.0	26.0	24.0	25.6	11
Noon	23.5	23.7	21.0	24.5	21.0	24.3	24.0	23.0	25.7	24.0	27.0	27.5	27.5	25.0	24.7	24.1	Noon
13h	23.0	23.5	21.0	23.3	21.5	23.5	23.7	22.7	23.5	21.5	24.0	24.0	26.5	25.3	26.2	23.5	13h
14	22.5	23.3	21.7	23.3	21.0	24.0	23.5	22.0	24.7	20.0	22.5	21.0	25.0	24.5	26.7	23.1	14
15	21.0	23.7	22.7	23.3	22.6	25.0	24.0	22.7	24.3	22.0	21.3	20.0	24.0	24.0	26.0	23.2	15
16	20.0	24.0	23.3	24.0	23.5	25.0	25.3	23.5	23.5	23.0	21.7	20.0	23.7	23.7	25.3	23.4	16
17	22.0	25.0	24.0	25.0	25.3	26.0	26.3	25.3	26.0	25.0	23.0	22.0	24.5	24.5	24.7	24.5	17
18	23.7	25.3	25.0	25.3	25.8	26.7	27.0	25.7	27.0	26.3	25.0	23.0	25.3	25.0	25.0	25.1	18
19	26.0	25.7	25.7	25.5	26.5	26.5	26.5	26.3	26.7	26.2	25.7	24.5	25.5	25.7	25.5	25.5	19
20	26.0	25.5	25.7	25.3	25.7	26.3	26.5	26.3	26.3	26.7	26.0	25.7	25.3	26.0	25.7	25.6	20
21	27.0	25.7	25.7	26.0	25.3	27.0	26.7	26.5	26.3	26.5	26.5	27.0	25.7	26.0	26.0	25.9	21
22	26.3	26.5	26.0	26.0	25.5	26.5	26.7	26.5	26.5	26.3	26.5	26.3	26.0	26.3	26.0	25.9	22
23	27.5	26.3	26.0	27.5	25.7	26.7	26.3	26.5	26.5	26.3	26.3	26.5	26.0	26.7	26.3	26.1	23

TABLE IV. MAGNETIC HORIZONTAL FORCE at every Hour of the Day as deduced from the PHOTOGRAPHIC RECORDS.

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

JANUARY, 1943.

.22000 + (C.G.S. UNIT)

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour
Midnight	439	435	427	433	415	420	432	428	429	416	420	428	415	427	434	433	Midnight
1h	442	436	429	439	430	426	436	429	426	425	422	431	418	429	436	433	1h
2	445	437	430	440	424	435	430	430	428	426	435	441	425	430	439	434	2
3	443	425	431	448	427	423	428	435	438	427	430	439	422	432	438	432	3
4	442	428	430	455	425	421	429	440	437	429	429	441	423	433	439	435	4
5	444	433	434	459	428	420	430	437	436	434	430	443	425	435	438	436	5
6	452	441	449	458	431	426	432	440	439	438	435	451	429	439	439	444	6
7	464	449	456	460	435	430	434	441	445	443	448	453	428	439	440	452	7
8	468	452	459	463	447	431	440	439	441	449	452	455	432	440	440	457	8
9	472	455	463	453	440	429	441	435	440	450	452	459	439	436	444	453	9
10	480	456	479	451	445	436	449	440	440	454	454	455	445	439	449	450	10
11	482	450	485	455	440	438	453	447	440	457	453	443	441	439	451	45[illegible]	11
Noon	474	439	477	445	422	436	449	444	427	447	452	432	432	436	446	452	Noon
13h	456	432	463	445	413	429	445	451	414	445	451	424	426	435	437	441	13h
14	449	424	452	450	412	420	432	452	415	445	447	424	430	430	431	435	14
15	445	417	438	406	416	409	423	448	412	433	429	420	428	428	430	427	15
16	447	414	428	380	416	413	416	444	412	426	427	419	423	424	431	428	16
17	452	418	429	376	417	420	416	438	419	428	425	418	422	425	435	427	17
18	457	425	420	411	418	421	426	439	425	429	426	417	422	427	440	426	18
19	459	424	412	408	411	420	428	432	423	430	422	419	420	428	438	412	19
20	455	422	424	405	410	420	427	428	425	429	415	421	421	429	436	404	20
21	460	413	432	373	406	420	425	428	417	427	420	418	422	431	436	400	21
22	458	417	444	412	407	420	427	427	415	426	424	418	427	432	435	419	22
23	445	425	433	399	413	418	428	427	415	423	428	418	425	433	434	404	23

.22000 + (C.G.S.UNIT).

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour
Midnight	408	428	414	416	347	400	407	412	410	420	411	418	424	422	422	418.8	Midnight
1h	411	411	416	420	366	396	409	411	418	423	416	419	424	420	422	422.5	1h
2	419	415	418	428	382	427	418	419	418	428	417	420	425	425	423	426.2	2
3	428	425	419	430	379	416	414	418	419	427	422	423	424	424	431	426.4	3
4	438	431	420	427	362	416	410	417	423	429	424	425	424	427	430	427.7	4
5	431	426	424	427	381	449	410	417	421	429	423	425	425	429	429	429.4	5
6	432	429	423	431	389	420	412	419	425	430	430	428	424	428	430	432.0	6
7	460	432	431	440	390	424	419	417	430	438	438	431	428	424	433	437.2	7
8	478	438	434	448	395	425	422	423	429	438	437	431	430	430	436	440.7	8
9	480	431	435	440	404	427	413	424	422	437	425	431	429	434	437	439.7	9
10	477	430	440	435	410	429	410	428	421	440	422	437	427	442	434	442.1	10
11	460	428	439	426	410	426	413	427	422	443	419	440	430	449	432	441.6	11
Noon	447	415	434	420	399	412	411	422	423	432	412	434	430	442	428	434.6	Noon
13h	447	411	428	406	390	410	412	420	421	420	412	423	423	435	422	428.7	13h
14	438	418	420	406	370	396	410	418	419	398	414	408	421	423	420	423.5	14
15	400	412	415	414	356	406	391	411	420	406	413	396	420	416	419	416.3	15
16	390	400	419	414	368	406	396	409	417	415	418	385	420	415	420	414.3	16
17	370	399	412	417	387	396	401	404	413	411	410	393	421	420	424	414.4	17
18	389	408	409	404	380	383	402	405	419	411	405	397	421	423	426	416.5	18
19	382	410	414	389	388	387	406	409	421	410	407	400	422	424	414	415.2	19
20	404	411	418	388	386	386	406	409	419	400	405	401	420	424	419	415.1	20
21	372	410	415	365	390	384	409	411	419	397	415	418	420	423	424	412.9	21
22	386	419	418	365	392	416	409	413	418	410	415	412	424	423	426	417.9	22
23	397	417	409	353	398	401	408	410	419	411	416	410	423	424	420	415.6	23

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

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

JANUARY 1943.

.29000 +(C.G.S. Unit)

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
Midnight	[illegible]	993	993	993	1000	997	996	995	996	997	997	994	995	992	989	987	Midnight
1h	993	993	993	993	996	995	993	994	996	997	997	995	996	993	990	988	1h
2	993	994	995	993	998	993	993	994	996	995	994	993	996	993	989	989	2
3	993	996	996	994	999	996	994	993	993	995	994	994	996	993	990	989	3
4	993	996	996	996	999	997	994	993	993	995	994	994	996	993	990	989	4
5	993	996	996	996	1000	998	995	994	995	995	994	994	995	993	990	990	5
6	994	995	996	995	1003	1000	997	997	996	998	996	993	995	993	992	991	6
7	992	988	993	990	1002	1000	1000	1001	992	997	988	991	994	993	990	987	7
8	987	985	986	987	996	998	996	1001	989	993	982	987	990	990	977	982	8
9	983	986	981	988	997	996	992	998	990	990	982	989	991	992	968	979	9
10	983	990	975	990	1002	997	990	998	993	988	985	990	989	994	968	978	10
11	980	991	974	984	994	987	987	992	990	984	989	992	982	998	966	980	11
Noon	978	990	973	986	992	977	985	980	982	985	989	990	983	992	967	983	Noon
13h	979	988	975	988	990	977	985	977	982	987	989	983	984	988	968	985	13h
14	981	989	978	983	992	983	987	969	988	984	993	983	985	986	973	986	14
15	984	987	979	982	992	984	991	971	987	986	993	988	989	985	977	988	15
16	986	988	983	986	993	987	991	977	986	988	993	989	988	984	982	988	16
17	985	989	986	993	992	989	992	983	987	988	993	990	987	980	982	987	17
18	985	990	992	1000	993	991	989	986	988	989	992	990	988	980	982	989	18
19	985	991	993	995	995	992	991	987	989	990	992	990	990	984	983	993	19
20	986	991	992	996	996	995	992	988	990	990	992	990	990	986	984	993	20
21	985	993	991	1004	999	995	993	991	992	992	993	991	990	986	985	993	21
22	986	993	991	997	998	996	994	993	996	994	993	992	991	988	986	992	22
23	988	993	991	1002	997	997	995	995	997	996	993	994	992	988	987	993	23

.29000 + (C.G.S. Unit).

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	28d.	30d.	31d.	Mean	Day / Hour
Midnight	993	996	994	993	1010	1001	1000	999	998	997	998	997	996	993	993	996	Midnight
1h	993	995	994	993	1013	1002	1000	999	997	996	998	997	996	996	993	996	1h
2	993	996	994	993	1004	998	997	997	997	996	998	997	996	995	993	995	2
3	993	996	994	993	1007	999	1000	997	996	995	997	997	996	994	993	995	3
4	993	996	996	993	1007	1000	1000	997	996	995	996	996	996	994	993	995	4
5	993	996	996	995	1008	997	1000	998	996	994	996	996	995	994	993	996	5
6	995	997	997	997	1009	1003	1000	998	998	994	996	995	995	993	993	996	6
7	995	996	993	997	1007	1003	999	999	998	995	996	997	995	992	992	995	7
8	985	992	988	997	1000	1002	997	998	1000	997	998	996	992	990	982	992	8
9	982	990	985	997	988	993	998	998	1004	999	1004	994	987	987	980	990	9
10	978	991	982	996	978	986	1000	995	1002	992	1003	992	989	987	980	989	10
11	972	988	978	996	973	981	998	986	997	984	996	988	989	987	985	986	11
Noon	970	988	977	989	975	981	1000	983	988	976	990	983	987	983	989	984	Noon
13h	973	988	976	987	984	980	1000	986	981	973	982	978	986	980	990	983	13h
14	974	990	979	986	987	984	1000	986	981	976	982	979	987	979	988	984	14
15	977	993	983	983	991	991	1000	989	984	985	980	981	986	979	984	985	15
16	984	996	985	983	991	990	1000	990	989	987	983	983	986	981	977	987	16
17	987	995	987	983	991	989	1000	993	998	992	989	984	987	984	977	988	17
18	993	995	993	988	992	991	998	994	997	993	993	988	987	986	981	990	18
19	997	993	993	993	997	997	997	996	996	993	993	991	987	987	986	991	19
20	995	993	992	997	998	997	997	997	996	994	995	993	988	988	987	992	20
21	997	994	992	1001	1000	1000	1000	998	997	997	996	995	990	989	989	994	21
22	998	995	993	1010	1002	1000	1000	998	998	997	996	994	992	991	990	995	22
23	1002	994	993	1006	1001	1001	999	999	997	998	996	996	993	992	992	995	23

TABLE VI.-RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION VACOAS (424.5 metres above mean sea level) during the Month of JANUARY, 1943.

Month and day 1943.	Observations at 10 a.m.						Wind			Temperature of the Air.							Rainfall			
	Atmospheric Pressure	Temperature of the Air	Excess of Air Temperature over Evaporation Temperature	Temperature of the Dew Point.	Relative Humidity (Sat. 100)	Vapour Pressure	Direction	Velocity	Amount of Cloud (Scale 0 - 10)	9h	9h	15h	21h	Daily Maximum	Daily Minimum	Daily Range	Amount recorded by the Caselle Pluviograph.	Duration	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.	mins	hrs.	%
1	966.6	26.4	4.3	19.8	67	23.1	280	0.9	7	...	...	...	...	28.3	20.4	7.9	1.1	5	4.7	36
2	965.8	24.3	1.8	21.6	85	25.8	300	1.3	7	...	...	...	...	27.0	18.8	8.2	35.8	245	3.3	25
3	965.4	23.6	2.5	19.7	79	23.0	345	1.1	10	...	23.0	25.8	21.2	27.8	18.9	8.9	0.1	5	6.4	48
4	964.9	24.9	2.7	20.8	78	24.6	35	1.5	9	21.0	24.1	23.7	20.5	25.6	19.3	6.3	0.2	20	0.8	6
5	964.5	25.2	3.3	20.2	74	23.7	350	1.0	8	19.9	24.6	25.8	22.3	27.7	19.4	8.3	6.0	95	8.8	67
6	965.1	25.5	2.9	21.2	77	25.2	325	1.3	8	21.5	24.8	26.4	21.6	28.7	19.9	8.8	0.9	25	7.9	60
7	965.7	26.6	3.7	21.1	72	25.0	350	2.7	7	19.5	26.1	26.7	21.7	28.3	19.2	9.1	3.5	25	7.9	61
8	965.8	25.8	3.2	21.0	75	24.9	CALM		7	21.4	25.0	26.5	21.8	28.1	21.0	7.1	...	...	5.7	44
9	965.4	25.6	3.0	21.1	76	25.0	CALM		9	21.6	25.0	24.8	21.7	28.0	20.9	7.1	3.7	110	2.1	16
10	963.6	25.8	3.0	21.3	76	25.3	360	0.5	8	21.5	25.1	26.7	21.5	28.3	21.3	7.0	2.5	55	4.8	37
11	964.4	25.3	2.2	22.1	82	26.6	40	3.6	9	20.3	24.9	27.0	22.6	28.6	20.1	8.5	0.5	15	8.3	64
12	965.2	26.1	2.1	23.0	83	28.1	355	4.5	9	22.4	25.7	27.1	23.1	28.0	22.0	6.0	44.5	205	5.8	45
13	964.3	24.7	0.8	23.5	93	29.0	325	1.8	10	22.5	24.0	27.0	22.2	28.3	22.3	6.0	33.3	215	1.3	10
14	963.5	25.4	0.8	24.2	93	30.2	310	1.5	9	21.9	24.8	28.6	22.0	29.0	21.6	7.4	118.8	245	6.0	46
15	964.1	27.5	4.0	21.6	70	25.8	305	1.2	8	21.1	26.6	24.2	22.3	28.8	20.8	8.0	2.0	20	3.8	30
16	964.7	24.1	0.9	22.7	92	27.6	70	4.5	9	22.0	23.8	24.5	21.8	26.8	22.0	4.8	10.9	185	1.9	15
17	964.1	25.8	3.7	20.2	72	23.7	90	3.6	7	21.7	24.8	27.3	22.2	28.0	21.6	6.4	0.1	5	9.5	73
18	964.3	25.7	3.1	21.1	76	25.0	90	3.8	9	21.6	25.0	26.5	21.7	27.7	21.6	6.1	2.3	55	9.7	74
19	962.0	26.0	2.3	22.6	82	27.4	85	4.9	8	21.3	25.2	26.5	22.6	27.4	21.3	6.1	6.3	115	6.2	48
20	963.8	21.7	0.8	20.5	93	24.1	50	4.7	10	21.4	22.0	24.4	23.9	25.3	20.9	4.4	40.9	485	0.3	3
21	964.6	25.2	2.4	21.6	80	25.8	65	3.8	9	22.0	24.6	24.4	22.4	26.0	21.7	4.3	2.7	25	5.8	45
22	963.7	25.2	2.6	21.3	79	25.3	40	3.1	9	21.8	24.8	26.5	21.7	28.4	21.7	6.7	...	...	5.9	46
23	958.0	24.5	1.9	21.6	84	25.8	350	5.4	10	21.3	24.2	24.9	22.4	26.3	21.3	5.0	21.4	125	2.5	20
24	955.2	24.7	1.7	22.2	86	26.8	290	3.1	9	22.2	24.1	26.8	22.5	27.3	22.0	5.3	0.7	15	10.1	77
25	956.4	26.4	5.5	17.8	60	20.4	275	2.7	2	21.4	25.7	27.6	23.5	29.0	21.0	8.0	2.5	25	11.2	86
26	957.7	25.9	2.0	23.0	84	28.1	290	3.3	8	22.4	25.0	27.7	24.7	28.9	21.5	7.4	...	...	7.7	60
27	961.0	26.9	2.8	22.8	79	27.8	270	1.8	6	23.5	26.1	29.5	24.3	30.5	23.5	7.0	13.9	65	9.2	71
28	963.5	26.5	2.4	23.1	82	28.3	40	3.6	9	21.3	25.6	22.3	21.8	28.3	21.3	7.0	35.2	290	4.8	37
29	963.6	25.2	2.1	22.1	83	26.6	95	4.5	8	21.6	24.8	28.1	22.6	29.1	21.0	8.1	...	...	9.7	75
30	963.2	25.5	2.4	22.0	81	26.4	90	4.7	7	22.2	24.9	25.8	22.3	27.4	22.0	5.4	...	...	9.0	69
31	963.6	24.8	1.1	23.2	91	28.4	90	6.7	8	22.1	24.1	25.3	22.2	27.3	22.1	5.2	1.8	65	7.7	60
Mean	963.3	25.4	2.5	21.6	80.1	25.9	...	2.8	8.2	21.6	24.8	26.2	22.3	27.8	21.0	6.8	391.6	2740	6.30	46.9
Average	964.2	24.8	2.3	21.3	80.8	25.3	...	3.4	7.1	...	...	...	...	26.7	20.6	6.1	355.2	...	6.50	49.5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+ 40.9 mbs.	Amount of Rain	- 153.0 mms.
Temperature of the Air	+ 2.9°C.	Duration of Sunshine	+ 52.8 hrs.
Vapour Pressure	+ 3.6 mbs.	Mean of Maximum Temperatures	+ 2.7 °C.
Relative Humidity	- 3.5%	Mean of Minimum Temperatures	+ 2.3 °C.
Velocity of Wind	+ 0.5 m.p.s.	Absolute Maximum Temperature	+ 3.1 °C.
Amount of Cloud	- 0.4	Absolute Minimum Temperature	+ 2.9 °C.

Greatest Rainfall Intensity 59.4 mms. in 60 minutes.

TABLE VII.-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of JANUARY, 1943.

Month & Day 1943	Atmospheric Pressure.		Temperature of the Air.					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point.		Relative Humidity (Sat. = 100)		Vapour Pressure	Minimum on the Grass	Rainfall		Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
	Mean	Excess Above Average	Daily Maximum	Daily Minimum	Daily Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Dines pluviograph	Duration		
JAN.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs.	°C	mms.	min.	mms.	
1	1006.8	+ 0.3	31.6	22.0	9.8	25.5	- 0.2	2.7	21.5	+ 0.3	78	+ 2	25.6	18.7	2.0	55	8.0	5.2
2	1006.0	- 0.4	31.0	22.0	9.0	24.8	- 0.9	1.9	22.0	+ 0.8	84	+ 8	26.4	19.1	12.0	165	4.5	7.2
3	1005.2	- 1.1	30.6	21.9	8.7	25.6	- 0.1	2.6	21.8	+ 0.6	80	+ 4	26.1	20.0	0.0	...	2.7	8.0
4	1005.0	- 1.3	27.6	22.0	5.6	24.7	- 1.1	2.0	21.7	+ 0.4	84	+ 7	26.0	20.2	2.3	115	5.7	7.5
5	1004.9	- 1.3	30.3	21.7	8.6	25.3	- 0.5	1.9	22.5	+ 1.0	85	+ 8	27.3	19.9	16.9	135	4.6	7.7
6	1005.5	- 0.7	31.3	23.0	8.3	26.8	+ 1.0	2.5	23.2	+ 1.7	80	+ 3	28.4	21.3	3.6	175	4.0	6.5
7	1006.3	+ 0.2	32.2	22.0	10.2	27.1	+ 1.3	2.9	22.8	+ 1.3	77	- 1	27.8	20.6	0.0	...	7.6	3.7
8	1006.0	0.0	31.8	23.0	8.8	27.2	+ 1.4	3.2	22.5	+ 0.9	76	- 2	27.3	20.3	1.0	15	7.6	6.3
9	1004.8	- 1.1	30.8	22.5	8.3	26.7	+ 0.9	3.2	22.0	+ 0.4	75	- 3	26.4	20.2	2.8	110	3.8	7.6
10	1003.6	- 2.3	31.9	23.0	8.9	27.0	+ 1.1	2.8	22.9	+ 1.2	78	0	27.9	20.4	1.8	170	6.4	7.5
11	1004.9	- 0.9	30.9	22.8	8.1	26.9	+ 1.0	2.3	23.6	+ 1.7	82	+ 3	29.1	20.5	5.8	225	5.2	8.5
12	1005.3	- 0.4	32.5	24.5	8.0	27.8	+ 1.9	2.2	24.6	+ 2.7	83	+ 4	31.0	22.0	1.0	10	5.6	9.4
13	1004.0	- 1.6	30.2	25.5	4.7	27.5	+ 1.6	1.9	24.6	+ 2.9	85	+ 6	31.3	24.2	4.7	50	5.5	9.4
14	1003.5	- 2.0	31.5	24.3	7.2	27.5	+ 1.6	2.2	24.3	+ 2.4	83	+ 4	30.4	22.5	25.5	160	3.8	8.5
15	1004.7	- 0.8	31.9	23.2	8.7	25.5	- 0.4	1.4	23.5	+ 1.6	89	+10	29.0	21.1	24.5	105	1.6	7.4
16	1004.8	0.6	29.5	23.9	5.6	26.1	+ 0.2	2.2	22.9	+ 0.9	83	+ 4	27.9	22.1	2.0	80	4.8	6.5
17	1004.0	[illegible]	29.7	23.9	5.8	26.5	+ 0.6	2.9	22.2	+ 0.1	77	- 2	26.8	22.2	0.0	...	7.0	4.5
18	1003.7	1.5	29.9	23.7	6.2	26.6	+ 0.7	2.2	23.4	+ 1.3	83	+ 4	28.8	21.1	0.0	...	7.6	4.1
19	1002.3	2.8	29.5	23.8	5.7	26.4	+ 0.4	2.8	22.3	+ 0.2	78	- 2	27.0	21.9	8.2	75	7.1	7.4
20	1003.0	- 2.0	27.7	22.9	4.8	25.6	- 0.4	1.7	23.1	+ 0.9	86	+ 6	28.3	21.2	44.5	660	3.6	0.0
21	1004.6	0.3	28.5	24.0	4.5	25.8	- 0.2	2.2	22.6	+ 0.4	83	+ 3	27.4	23.0	11.5	65	3.9	8.3
22	1003.2	- 1.7	30.6	23.5	7.1	26.3	+ 0.3	2.2	23.1	+ 0.9	83	+ 3	28.3	20.7	0.7	10	4.4	7.3
23	997.4	- 7.4	29.9	23.2	6.7	26.1	+ 0.1	1.5	23.9	+ 1.7	88	+ 8	29.7	20.2	15.4	120	4.5	8.6
24	995.3	- 9.5	30.1	24.3	5.8	27.0	+ 1.0	2.3	23.7	+ 1.4	82	+ 2	29.3	22.1	0.0	...	5.7	5.5
25	996.2	8.6	30.9	23.1	7.8	27.4	+ 1.4	2.5	23.8	+ 1.5	81	+ 1	29.5	19.8	1.7	45	8.1	4.0
26	997.8	- 6.9	31.3	24.4	6.9	27.7	+ 1.7	1.9	25.0	+ 2.7	85	+ 5	31.7	22.0	0.1	5	7.0	7.9
27	1001.6	- 3.1	32.0	24.4	7.6	28.2	+ 2.2	2.3	24.9	+ 2.6	82	+ 2	31.5	21.7	0.9	45	6.9	7.0
28	1003.5	- 1.1	31.6	23.0	8.6	25.7	- 0.3	1.5	23.5	+ 1.2	88	+ 8	29.0	21.5	47.3	245	6.3	6.3
29	1002.9	- 1.7	29.9	22.2	7.7	25.8	- 0.1	1.7	23.3	+ 1.1	86	+ 6	28.6	19.1	...	...	2.1	3.7
30	1003.3	- 1.3	28.9	23.9	5.0	26.1	+ 0.2	2.2	22.9	+ 0.7	83	+ 3	27.9	20.9	0.1	5	6.1	4.8
31	1004.7	+ 0.2	29.2	24.3	4.9	26.4	+ 0.5	2.2	23.2	+ 1.0	83	+ 3	28.4	22.0	2.3	50	6.4	5.2
Mean	1003.4	- 2.0	30.5	23.3	7.2	26.4	+ 0.5	2.2	23.2	+ 1.3	82.3	+ 3.4	28.4	21.0	Sum 238.6	Sum 2895	5.4	6.8
Aver.	1005.4	...	29.8	22.6	7.2	25.9	...	2.7	21.9	...	78.9	...	26.3	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, 1943.

The month was notable for the number of cyclonic disturbabces, 7 in all, out they were all of small intensity and, with one exception, short lived. Two were in the Mozambique Channel and the remainder between Madagascar and longitude 70 degrees East. The one that lasted longest formed on the 16th off the East coast of Madagascar, South of Tamatave. Until the 20th it moved down parallel to the coast, when it recurved. On the 24th the centre passed about 500 miles south of Mauritius moving east-south-east and on the 26th 600 miles south of Rodrigues. Another formed about 350 miles north-west of Mauritius on the 23rd and moved south-south-west, south and south-south-east, being centred about 500 miles south-west of Mauritius on the 27th.

Mean pressure was 2.0 millibars below normal and the daily values all below from the 9th-30th, the lowest day being the 24th, -9.5 mbs.

Rainfall was about 111% of the normal and well distributed, its duration 148%. The amount of cloud was 10% above normal; mean wind velocity appreciably below; temperature 0.5°C above. The other elements were about normal.

TABLE VII(Cto). DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JANUARY, 1943.

Month and day 1943.	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.
JAN.	hrs.	%	m.p.s.	m.p.s.	°C	°C	°C	°C									
1	7.2	54	2.0	- 1.3	24.1	25.1	28.3	28.7			bc			Cr$_o$	0	bc	b
2	6.5	49	1.8	1.5	24.3	25.2	28.4	28.5		bc		c		ORR	0	0tsm	
3	8.3	62	1.7	1.6	24.2	25.4	28.3	28.4	0	c	0	cg		c		cl	bc
4	2.0	15	1.8	1.5	24.2	25.2	28.4	28.5	bc	c	cg	Or$_c$			c		bc
5	8.7	65	2.1	1.3	24.2	25.6	28.3	28.0	bc	ORR	bc	cg	c	c	ORR	0	c
6	12.6	95	1.7	1.7	24.3	25.4	28.3	28.4		Or$_o$r$_o$	c	bc		c		bc	
7	12.9	98	2.3	1.1	24.2	25.6	28.4	28.9		b			bc				
8	10.8	82	2.2	1.2	24.3	25.5	28.5	29.2	bc	c	bc	c	bc		c		cr$_o$
9	6.3	48	1.9	1.5	24.3	25.5	28.6	29.2		bc		cg			0		Or$_o$r$_o$
10	7.3	55	2.5	0.9	24.3	25.6	28.7	29.1	Or$_o$	c	0		c	bc		c	Cr$_o$r$_o$
11	7.2	54	2.5	0.9	24.3	25.7	28.7	29.2		Or$_o$r$_o$		c			0		OR
12	7.5	57	2.4	1.0	24.3	25.7	28.8	29.1		0tsm		c		0t		0	
13	0.8	6	2.3	1.1	24.3	25.8	28.8	29.2		0tsm	0	0g			0		
14	8.0	61	2.0	1.4	24.4	25.5	28.9	29.1		0tsm	0		c			ctl	ORR
15	6.1	46	1.7	- 1.7	24.3	25.9	28.9	29.2	cl	bc	c	cgl		0tsm		0	
16	5.5	42	3.4	0.0	24.3	25.7	29.0	28.9	c	bc	c	Or$_o$		c		Or$_o$r$_o$	bc
17	11.5	88	3.8	+ 0.4	24.4	25.9	28.8	29.0				bc					b
18	10.7	82	3.7	+ 0.3	24.4	25.7	29.0	29.2		b	bc	c	bcq		bc		
19	9.5	73	3.9	+ 0.5	24.4	25.6	29.0	29.5	b	C$_r$	Cr$_o$	cq	0		Or$_o$r$_o$		0
20	0.3	2	4.9	+ 1.5	24.4	26.0	29.1	29.0	0	0tsm	Orr	0qr$_o$r$_o$	0qr$_o$	0q	0qr$_o$		0q
21	6.7	51	4.4	+ 1.0	24.4	26.8	29.0	28.4	0q	cq	0	Orr	0	Or$_o$	C		bc
22	7.7	59	2.4	- 1.0	24.4	26.1	28.9	28.5		bc	c	0		c		0	Crr
23	6.1	47	2.8	- 0.6	24.4	26.1	28.8	28.8	bc	c		Or$_o$r$_o$	OR	0		0tsm	
24	11.6	89	2.9	- 0.5	24.4	26.0	28.8	28.9	bc	b	bc	c			bc		
25	12.1	92	2.0	1.4	24.4	26.0	28.8	29.3	b	c	bc	b		bc		bctl	bcr$_o$
26	10.1	78	2.0	1.4	24.5	26.1	29.0	29.7	c	Or$_o$	c		Cr	bc		c	
27	11.6	89	2.2	1.2	24.4	26.1	29.2	29.9	c	Cr$_o$	bc		c	bc		0tsm	
28	5.6	43	2.1	1.3	24.4	26.1	29.4	29.6	ctl	bc		c		0tsm		bc	
29	8.1	62	2.3	1.1	24.5	26.1	29.6	29.1	b	bc		cq		bc		b	
30	9.1	70	3.3	0.1	24.5	26.1	29.5	29.1		b	bcq	cqr$_o$	0	c	c	bc	b
31	9.7	75	3.9	+ 0.5	24.5	26.1	29.4	29.3		b			bcq		c	Or$_o$r$_o$	bc
Mean	8.00	61.0	2.61	0.78	24.35	25.75	28.83	29.00	...								
Aver.	7.73	58.8	3.39	...	24.84	26.36	28.02	27.51	...								
Col.	19	20	21	22	23	24	25	26	27								

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JANUARY, 1943.

Element	Highest	Date	Lowest	Date
Atmospheric Pressure	1008.9mbs. at 00.00hr.	on 1st.	994.0mbs. at 16.00hrs.	on 24th
Temperature of the Air	32.2°C at 12.45hrs.	on 7th.	21.7°C at	on 5th.
Daily Range of Temperature of the Air ...	10.2°C	on 7th.	4.5°C	on 21st
Temperature of the Dew Point	26.6°C at 11.00hrs 12.00hrs.	on 26th	20.2°C at 05.00 hr.	on 1st
Minimum on Grass			19.1°C	on 2nd and 29th
Relative Humidity	100% at 04.00hrs.	on 5th.	57.0% at 13.00 hrs.	on 1st.
Vapour Pressure	.. at 11.00hrs. 12.00hrs.	on 26th.	at 5.00 hrs.	on 1st.
Evaporation in 24 hrs.	8.1mms.	on 25th.	1.6mms.	on 15th.
Wind Velocity	7.7m.p.s. at 15hrs	on 20th.	0.6m.p.s.	often
Rainfall in 24 hours	51.4mms. ending 19hrs.	on 20th.		
Duration of sunshine	12.9hrs.	on 7th.	0.3hr.	on 20th

Mean Day Temperature of Air 26.21°C. Mean Night Temperature of Air 24.67°C.

NUMBER OF DAYS OF

Mean Cloud Amount: 0	1-3	4-6	7-9	10	RAINFALL: mms. 0.1-0.9	mms. 1.0-4.9	mms. 5.0-9.9	mms. 10.0-24.9	mms. 25.0 & over	Lightning	Thunderstorm
...	...	13	17	1	5	10	2	5	3	9	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).

JANUARY, 1943.

The initial 10 or 9 is omitted. The unit in the table is 0.1 millibar.

Day / Hour	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
Midnight	089	071	069	056	060	061	066	072	062	053	051	060	050	040	042	054	Midnight
1h	081	064	056	050	051	052	062	070	058	031	051	054	040	030	040	047	1h
2	071	060	053	046	044	050	060	063	050	031	049	050	038	029	034	043	2
3	067	053	048	041	044	050	056	060	043	030	046	051	036	029	031	044	3
4	062	051	051	040	042	050	056	061	044	031	042	050	035	030	031	041	4
5	064	051	050	046	042	051	059	061	044	034	042	051	041	031	037	042	5
6	067	059	053	050	046	056	064	062	050	040	046	052	047	039	042	048	6
7	071	063	059	051	050	061	069	069	053	041	052	054	050	040	049	053	7
8	073	068	061	055	051	061	070	070	054	042	059	060	051	041	051	056	8
9	075	069	060	059	051	062	070	070	054	043	060	064	051	044	051	059	9
10	074	066	061	059	051	061	071	070	051	041	056	061	051	043	051	057	10
11	071	065	059	060	051	060	069	066	050	040	051	060	051	040	050	056	11
Noon	066	060	051	052	047	057	063	060	045	039	050	060	044	033	049	051	Noon
13h	060	058	049	050	044	051	061	051	040	031	045	051	038	031	051	048	13h
14	059	053	041	049	041	050	054	046	037	026	043	049	030	030	044	041	14
15	058	051	039	044	039	044	050	043	031	022	039	041	026	021	042	036	15
16	057	051	037	040	039	041	049	041	030	021	036	047	025	020	046	031	16
17	060	051	039	040	040	041	050	045	031	021	036	047	028	021	044	031	17
18	061	052	041	041	046	047	051	050	039	025	040	046	029	029	050	038	18
19	067	060	052	050	051	052	060	057	046	033	047	047	032	035	050	047	19
20	070	061	051	052	054	060	067	061	053	040	052	047	038	041	059	051	20
21	074	067	052	056	060	063	071	067	060	047	060	051	040	050	064	052	21
22	076	066	055	060	061	069	079	069	061	050	066	053	045	049	062	060	22
23	076	072	056	061	063	069	080	069	063	054	064	058	041	048	061	060	23

The initial 10 or 9 is omitted. The unit in the table is 0.1 millibar.

Day / Hour	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day / Hour
Midnight	052	049	034	023	047	051	017	958	962	961	006	040	038	030	043	041	Midnight
1h	049	041	030	019	041	049	010	951	961	960	001	032	031	026	040	035	1h
2	042	040	022	022	038	041	000	950	961	959	000	029	030	022	031	031	2
3	033	038	021	012	032	040	990	946	962	957	997	027	026	021	030	028	3
4	032	036	019	013	031	033	979	941	960	958	999	026	024	020	030	026	4
5	034	036	020	019	037	032	979	944	961	960	002	028	030	022	031	028	5
6	040	041	025	028	041	038	981	948	967	967	010	036	036	029	037	034	6
7	049	048	030	039	050	043	989	953	969	973	016	040	040	033	043	039	7
8	051	051	032	047	051	050	990	959	966	976	016	042	041	039	048	041	8
9	052	055	031	050	056	050	986	961	970	980	016	046	044	041	049	043	9
10	051	053	027	051	061	050	981	960	970	980	014	045	043	041	050	042	10
11	050	049	023	042	060	042	973	960	964	981	017	043	040	041	048	040	11
Noon	041	040	021	040	058	040	970	958	962	981	013	031	030	032	043	035	Noon
13h	036	030	018	024	049	030	963	952	959	979	011	030	021	030	042	030	13h
14	030	023	011	017	041	023	960	948	951	976	010	031	020	029	042	026	14
15	029	021	009	001	038	016	951	941	948	974	009	030	016	024	041	022	15
16	023	020	010	008	033	010	949	940	949	974	007	030	012	021	040	021	16
17	026	022	011	020	039	010	949	941	951	981	010	028	014	023	040	022	17
18	030	023	012	030	041	011	951	948	953	982	019	030	020	030	049	026	18
19	033	031	022	034	045	020	960	953	961	992	029	032	029	039	059	033	19
20	041	035	025	040	049	021	961	960	968	000	036	036	029	041	061	037	20
21	046	038	031	042	051	026	966	966	971	007	040	039	031	046	067	042	21
22	049	040	031	045	059	028	966	968	971	010	047	040	034	050	071	045	22
23	050	040	031	046	057	023	965	969	966	011	042	039	032	050	074	045	23

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

JANUARY, 1943.

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	3	4	10	4	6	10	0	6	5	10	8	10	10	10	2	5	4	2	3	10	10	5	5	5	3	9	7	6	1	3	1	5.7
1h	3	4	10	4	6	10	0	6	4	10	9	10	10	10	2	5	4	2	3	10	10	5	5	7	3	9	7	6	1	3	1	5.8
2	4	4	10	4	6	10	0	8	3	10	10	10	10	10	2	3	4	2	3	10	9	5	5	8	3	9	7	7	1	3	1	5.8
3	5	4	8	4	7	10	0	8	3	8	10	10	10	9	2	3	4	2	3	10	9	5	8	3	8	8	7	7	1	3	1	5.8
4	4	4	8	6	9	10	0	8	4	7	10	10	10	9	3	3	4	2	5	10	9	5	9	3	8	8	7	7	2	3	1	6.1
5	4	4	9	8	9	8	0	5	8	9	7	10	10	10	5	5	4	1	8	10	5	5	7	5	4	6	6	6	3	1	1	5.8
6	4	4	9	9	8	8	1	5	6	9	7	9	10	10	6	4	6	1	10	10	7	5	7	3	2	9	6	6	3	1	1	6.0
7	4	4	9	9	7	8	2	5	7	7	8	9	9	10	6	4	6	1	9	10	8	5	9	8	2	8	6	6	4	1	1	6.2
8	4	6	9	9	6	7	4	6	8	7	8	9	9	10	7	7	5	5	8	10	9	7	10	7	2	8	6	7	6	4	4	6.9
9	4	8	9	9	5	6	6	7	9	8	9	9	9	9	7	9	5	9	7	10	9	10	10	8	2	8	6	8	8	6	7	7.6
10	4	9	9	9	7	7	6	8	8	8	9	9	9	9	9	9	5	9	7	10	9	8	10	7	2	8	7	8	9	6	7	7.8
11	5	7	9	10	7	8	7	8	8	8	9	9	9	8	9	10	5	9	7	10	9	8	10	6	2	8	7	8	9	8	7	7.9
Noon	5	7	8	10	7	8	5	7	9	8	9	8	9	8	9	8	5	5	8	10	10	8	10	6	2	7	8	7	7	9	7	7.5
13	7	7	8	9	8	8	5	6	9	7	9	8	9	8	10	8	3	5	7	10	10	8	10	5	3	7	8	8	5	7	7	7.4
14	7	9	9	9	8	8	5	7	8	7	8	8	9	8	10	7	3	4	7	10	10	8	10	7	3	7	8	9	5	6	7	7.5
15	8	9	9	9	8	6	5	7	9	6	8	9	9	7	10	7	4	5	8	10	9	10	10	4	3	7	5	10	5	10	8	7.5
16	9	9	9	9	9	6	5	8	9	7	8	9	9	7	10	8	4	5	8	10	9	9	10	3	4	8	5	9	6	10	8	7.7
17	10	10	9	8	10	6	5	8	9	8	9	10	10	7	10	9	5	5	9	10	9	9	10	5	5	9	5	9	4	10	8	8.1
18	10	10	9	8	9	6	5	8	9	8	9	10	10	7	10	10	6	5	9	10	9	9	10	6	4	9	8	7	3	8	8	8.0
19	7	10	9	8	8	5	6	6	10	7	9	10	10	6	10	10	6	4	9	10	8	9	10	8	5	9	9	5	1	6	8	7.7
20	5	9	5	7	8	4	5	5	9	6	5	10	10	7	10	8	6	3	9	10	8	9	10	6	4	8	7	3	1	5	10	6.8
21	3	9	3	6	8	1	5	3	9	5	8	10	10	10	10	6	3	4	9	10	6	8	3	4	6	7	9	2	1	1	6	6.0
22	3	9	3	5	8	0	5	3	9	5	8	10	10	8	10	4	3	4	9	10	6	8	9	5	6	7	9	1	1	1	6	6.0
23	3	9	4	5	8	0	5	3	9	6	9	10	10	4	10	4	3	4	9	10	6	7	10	4	6	7	9	1	1	1	6	5.9

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

JANUARY, 1943.

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	8	10	0	0	0	6	25	10	15	0	0	0	0	0	0	0	10	11	0	0	0	0	0	3	10	0	10	0	0	0	6	2.2
7	60	60	2	10	0	55	60	60	60	15	8	16	0	0	60	0	60	60	50	0	50	20	0	60	60	45	60	57	0	42	41	17.8
8	60	0	4	15	20	60	60	60	60	60	45	40	0	0	56	30	60	60	10	0	60	50	55	60	60	50	60	55	10	54	60	21.2
9	45	10	50	12	60	60	60	60	36	36	50	60	20	0	45	40	60	11	53	0	53	47	54	60	60	60	60	58	0	60	60	22.5
10	60	3	0	0	60	60	60	60	3	30	42	56	20	40	50	60	60	21	60	0	40	55	5	60	60	60	60	55	8	55	60	21.1
11	50	40	45	0	60	60	60	60	56	54	60	60	0	54	56	37	60	60	60	0	50	60	50	60	60	60	60	50	30	6	60	24.6
Noon	55	50	60	0	60	60	60	60	34	30	60	60	0	60	50	17	60	60	60	0	6	60	55	60	60	60	60	25	00	55	60	24.3
13	60	60	55	0	50	60	60	60	9	30	60	56	0	47	10	37	60	60	60	0	0	60	30	60	60	45	60	35	60	60	60	22.7
14	8	45	60	0	60	60	60	60	45	60	40	60	0	52	30	26	60	60	60	0	0	40	15	60	60	60	60	0	60	60	60	22.0
15	0	0	60	0	55	60	60	60	55	60	40	40	0	45	0	50	60	60	60	0	55	8	40	60	60	60	60	0	60	28	25	20.3
16	8	50	60	0	38	60	60	55	0	60	30	0	0	60	0	19	36	60	60	15	60	25	45	60	60	60	60	0	60	15	3	16.7
17	14	20	45	20	26	60	60	10	5	5	0	0	5	60	0	12	50	60	40	0	20	10	15	60	60	43	60	0	60	60	57	15.6
18	6	35	56	55	30	60	60	20	0	1	0	0	4	35	0	0	54	60	0	0	5	30	0	35	55	0	30	0	60	53	29	12.9
19	0	0	0	6	0	35	30	10	0	0	0	0	0	27	0	0	4	0	0	0	0	0	0	0	0	0	0	0	15	1	0	2.2

The Amount of Registered Sunshine was 248.1 hours and the Total Possible Sunshine was 407.6 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, 1943.

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	23.7	1.6	23.0	1.4	22.9	1.0	23.2	1.2	23.1	1.5	23.4	0.6	23.4	1.3	24.5	2.0	Mid-night
1h	23.1	1.4	22.8	1.4	22.8	1.0	23.1	1.2	23.0	1.0	23.0	0.8	23.7	1.1	24.1	1.7	1h
2	23.2	1.1	22.8	1.2	22.1	0.9	22.9	1.1	22.9	1.3	23.1	0.8	23.1	1.1	24.0	1.7	2
3	22.6	1.0	22.6	1.0	22.1	0.9	22.9	1.1	22.0	0.4	23.6	0.7	23.0	1.2	23.7	1.5	3
4	22.1	1.0	22.5	1.0	22.0	0.9	23.0	1.1	21.9	0.0	23.8	0.7	22.7	1.1	23.7	1.5	4
5	22.0	1.2	22.1	0.9	22.3	0.9	22.0	0.9	22.0	0.4	23.6	0.6	22.3	1.0	23.6	1.5	5
6	22.6	1.5	22.3	1.1	22.4	1.0	22.1	1.0	22.2	0.6	23.1	0.4	22.1	0.8	23.1	1.2	6
7	26.1	2.8	25.4	2.8	23.2	1.3	23.3	1.7	23.0	0.9	24.4	0.6	25.0	1.0	26.1	1.8	7
8	27.9	3.9	26.2	2.7	24.6	2.1	24.9	2.3	24.0	0.9	26.7	2.1	27.3	2.3	27.6	2.8	8
9	28.2	4.6	27.1	3.0	27.1	3.1	25.4	2.8	26.9	2.0	28.0	2.8	28.1	2.5	28.7	3.7	9
10	30.1	5.4	26.0	2.7	27.1	3.1	25.9	3.0	28.0	2.9	29.9	3.9	29.1	3.4	29.6	4.3	10
11	30.5	5.6	27.5	2.6	28.7	4.3	25.1	1.9	28.9	3.6	29.9	4.1	30.4	4.3	30.3	4.6	11
Noon	30.9	5.9	29.1	4.1	29.9	5.2	25.5	1.6	29.1	4.0	30.9	4.6	31.7	5.6	31.4	5.4	Noon
13	31.5	6.5	30.4	4.9	29.8	5.1	26.2	2.2	29.1	4.1	30.9	4.5	31.5	5.1	31.4	5.7	13
14	29.1	4.5	27.1	4.1	29.7	5.0	26.7	3.2	30.0	4.8	31.0	4.7	31.5	5.3	31.1	5.3	14
15	28.1	3.9	23.9	1.0	30.2	5.3	26.9	3.3	29.2	3.9	30.9	4.8	31.4	5.3	30.5	5.1	15
16	26.0	2.1	24.9	2.0	29.1	4.8	27.1	3.1	28.6	4.0	30.5	4.5	31.3	5.7	30.4	5.5	16
17	24.8	2.5	25.1	2.2	28.1	4.0	27.1	3.5	29.0	4.6	29.9	4.8	31.0	5.8	29.1	4.6	17
18	23.5	1.2	25.3	2.0	27.8	3.9	27.3	3.5	24.5	1.7	29.0	3.9	29.8	4.7	28.7	4.0	18
19	23.3	1.1	24.9	1.7	26.6	2.7	25.2	2.3	24.3	1.2	27.6	2.8	28.6	3.9	27.7	3.7	19
20	23.1	1.0	24.2	1.1	25.6	1.9	25.1	1.5	24.1	1.1	26.1	1.9	27.3	2.8	26.6	2.8	20
21	22.9	1.1	23.9	0.9	24.1	1.3	24.3	1.3	24.0	1.0	25.1	1.7	26.4	2.2	26.1	2.1	21
22	23.0	1.3	23.9	0.9	23.9	1.6	24.0	1.3	24.0	0.9	24.4	1.4	25.3	1.7	25.5	2.2	22
23	23.0	1.1	23.1	0.7	23.3	1.2	23.4	1.2	23.9	1.0	24.0	1.3	24.8	1.9	25.0	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	24.8	1.5	23.2	1.2	25.2	1.2	25.4	1.2	26.7	1.3	25.5	1.3	24.3	0.9	23.9	0.7	Mid-night
1h	24.4	1.3	23.8	0.6	24.5	1.3	25.0	1.0	26.4	1.0	25.6	0.9	24.1	0.8	24.0	0.7	1h
2	23.7	1.4	24.0	0.6	24.0	0.9	24.8	1.1	26.2	0.9	25.8	1.3	24.2	0.4	24.1	0.4	2
3	23.1	1.1	23.8	0.8	23.9	1.0	24.8	0.9	25.9	0.7	25.8	1.1	23.8	0.7	24.0	1.0	3
4	23.2	1.0	23.7	0.6	23.5	1.2	25.0	0.9	25.6	0.7	25.7	0.8	23.8	0.8	24.2	1.1	4
5	23.0	1.1	23.8	0.9	23.3	1.2	25.1	1.0	25.8	0.6	25.8	0.8	23.6	0.8	24.4	1.1	5
6	22.6	0.7	23.8	1.0	23.0	0.9	25.4	1.4	25.6	1.1	25.8	1.6	23.2	0.8	24.6	1.2	6
7	24.8	0.6	24.3	0.6	24.0	0.7	25.4	0.5	25.9	0.8	25.4	1.9	24.6	0.2	24.6	1.4	7
8	27.5	2.7	27.2	2.4	25.3	1.0	26.4	0.5	26.4	0.3	25.6	1.3	27.5	1.7	26.8	1.8	8
9	28.9	4.7	28.7	3.6	27.7	2.5	29.0	2.6	28.0	1.6	25.3	1.3	28.6	2.1	26.9	2.6	9
10	29.1	4.8	28.6	3.4	28.7	2.8	30.2	4.0	28.6	2.1	26.2	0.2	29.7	3.3	27.6	2.7	10
11	29.8	5.5	30.2	5.2	29.6	3.5	30.4	3.4	28.6	2.2	29.8	2.2	30.1	2.9	28.2	3.2	11
Noon	29.8	5.1	30.3	4.8	30.2	4.0	30.8	3.8	28.8	2.5	31.4	4.1	31.7	4.5	28.6	3.7	Noon
13	30.5	6.2	30.6	4.9	30.4	4.2	31.2	4.1	29.3	2.9	31.1	4.1	27.7	3.9	28.3	3.5	13
14	30.4	5.6	31.1	5.4	30.5	4.1	31.3	4.1	29.8	3.1	31.0	3.9	27.7	3.5	28.6	4.3	14
15	30.1	5.3	31.0	5.4	30.8	4.9	31.3	4.8	30.0	3.3	30.8	3.7	26.9	1.3	28.8	3.9	15
16	29.4	5.1	30.5	5.4	30.5	4.7	30.4	4.1	29.8	3.6	31.0	4.8	24.6	0.8	28.3	4.2	16
17	28.3	4.2	29.1	4.5	30.0	4.2	29.5	3.1	29.5	3.5	31.2	4.8	24.0	0.9	28.1	4.0	17
18	28.1	4.5	28.6	4.4	29.0	3.4	29.3	3.2	29.1	3.2	29.8	3.6	23.9	0.8	27.2	3.2	18
19	27.2	3.2	27.4	3.3	28.2	3.0	28.4	2.6	28.2	2.9	29.5	3.5	23.8	0.6	25.2	1.3	19
20	27.0	3.0	26.8	2.7	26.6	1.7	27.6	2.0	27.5	2.3	28.4	2.4	23.9	0.4	25.1	1.4	20
21	25.7	2.8	26.0	2.0	25.9	0.9	27.2	1.5	26.9	1.8	25.3	1.2	23.7	0.4	24.8	1.3	21
22	25.2	3.0	26.1	2.2	25.9	0.9	27.0	1.3	26.0	1.6	24.7	0.7	23.7	0.5	24.7	1.4	22
23	24.1	2.0	26.0	2.0	25.5	0.6	26.8	1.2	25.7	1.5	24.5	0.9	23.8	0.5	24.7	1.9	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).

JANUARY, 1943.

Day / Hour	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	24.8	1.3	24.5	1.0	24.9	2.3	26.1	1.9	25.6	2.4	24.3	1.4	23.9	0.9	24.9	1.1	Mid-night
1h	24.8	1.4	24.3	0.8	24.8	2.4	26.0	1.8	25.6	2.4	24.0	1.3	23.6	0.9	25.1	0.7	1h
2	24.8	1.5	24.0	0.8	24.4	2.1	24.3	0.8	25.5	2.4	24.0	1.1	23.3	0.7	25.0	0.8	2
3	24.8	1.4	23.9	0.9	23.9	1.6	24.3	0.7	25.2	2.3	23.7	1.0	23.8	0.8	25.0	0.9	3
4	24.6	1.4	23.9	0.8	23.9	1.6	23.5	1.0	25.2	2.1	23.5	0.9	23.5	0.8	25.0	1.0	4
5	24.2	1.1	23.9	0.6	24.0	1.7	24.6	0.7	25.1	2.4	23.9	0.9	23.3	0.8	24.9	0.9	5
6	23.9	0.8	24.6	0.8	24.7	2.3	25.0	0.9	25.0	1.8	23.9	0.9	23.6	0.8	24.4	0.9	6
7	24.4	0.7	25.0	0.6	24.8	1.0	23.0	0.3	25.6	1.9	24.6	0.6	24.2	0.7	25.7	1.4	7
8	26.2	2.0	26.8	1.9	26.0	2.0	24.3	0.4	26.7	2.9	26.3	2.0	26.7	1.4	26.9	1.9	8
9	28.3	4.3	27.4	1.7	27.7	3.7	24.9	0.7	27.5	3.3	27.5	2.8	28.6	2.5	27.8	2.5	9
10	28.6	4.5	28.0	2.7	28.5	4.5	25.0	1.2	26.8	2.7	28.3	3.1	25.8	1.2	28.2	2.6	10
11	29.0	4.9	29.0	3.7	28.4	4.3	25.4	0.5	26.0	1.8	29.0	3.2	28.2	2.4	29.1	3.8	11
Noon	29.3	5.0	29.8	4.5	28.7	4.5	25.6	0.6	24.1	0.3	29.6	3.9	29.1	2.9	29.0	2.9	Noon
13h	29.3	5.3	29.8	4.7	28.8	4.3	27.0	2.7	24.8	0.5	30.0	4.3	29.0	2.8	29.7	3.6	13h
14	29.4	5.3	29.7	4.5	29.3	5.3	27.1	2.9	26.1	1.5	30.0	4.4	28.1	1.8	29.6	3.6	14
15	29.0	4.9	29.2	4.1	28.1	4.1	27.0	2.8	27.0	2.7	28.3	3.3	29.1	2.7	29.6	3.9	15
16	28.6	4.8	29.2	4.3	28.3	4.2	27.6	3.4	27.2	3.1	28.3	3.3	28.7	2.9	29.6	4.0	16
17	27.9	4.0	28.7	3.8	27.4	3.1	27.4	2.3	26.9	2.9	27.7	3.4	28.0	2.8	28.6	3.6	17
18	27.6	4.0	27.6	2.9	26.8	2.6	26.9	2.9	26.6	2.8	27.3	2.7	27.2	2.2	28.0	3.6	18
19	26.3	3.0	27.1	3.0	26.0	1.9	26.0	2.1	25.9	2.5	26.9	2.8	25.6	1.2	27.0	2.8	19
20	25.4	2.4	26.0	1.4	26.1	2.0	26.0	2.3	25.7	2.5	25.2	1.2	25.9	1.0	26.3	2.2	20
21	24.8	2.0	25.8	1.1	26.0	2.0	26.0	2.8	25.1	2.0	25.2	1.1	25.7	1.0	26.1	2.1	21
22	24.7	2.0	25.4	0.6	26.1	2.3	26.0	2.9	24.8	1.9	25.0	1.1	25.9	1.0	26.0	2.0	22
23	24.7	2.1	25.1	0.7	24.9	1.2	25.9	2.6	24.7	1.7	24.1	1.0	25.3	0.6	25.6	1.8	23

Day / Hour	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	25.2	1.7	25.8	1.2	25.2	1.1	25.5	1.3	23.1	0.8	24.6	1.3	24.7	1.4	24.5	1.3	Mid-night
1h	24.8	1.6	25.3	1.0	25.1	1.0	25.1	1.1	23.1	0.7	24.4	1.1	25.0	1.5	24.3	1.2	1h
2	24.9	1.6	25.1	0.9	25.0	1.0	24.9	1.1	23.2	0.6	24.6	1.0	25.0	1.5	24.2	1.1	2
3	25.1	1.4	25.3	0.8	25.0	0.9	24.2	0.9	23.1	1.0	24.6	1.1	25.0	1.5	24.0	1.0	3
4	24.5	1.4	25.1	0.9	25.0	1.0	24.1	1.1	22.6	0.6	24.1	0.1	24.7	1.4	23.9	1.1	4
5	24.0	1.2	24.9	0.9	24.6	0.9	24.1	1.0	22.3	0.7	24.0	1.2	24.7	1.5	23.8	1.0	5
6	23.3	1.3	25.1	1.0	24.6	1.3	24.3	1.0	22.6	0.8	24.0	1.1	24.4	1.3	23.8	1.1	6
7	25.1	1.0	26.6	1.1	26.6	0.8	26.5	1.0	23.3	0.3	25.1	1.3	25.1	1.4	24.9	1.1	7
8	27.1	2.2	28.1	1.3	28.9	1.1	28.1	1.4	25.2	0.4	27.0	2.8	27.1	2.9	26.5	1.8	8
9	29.5	4.2	29.1	2.1	30.2	2.7	29.3	2.6	26.0	1.1	27.7	3.6	27.3	3.1	27.8	2.8	9
10	30.2	4.2	30.3	3.1	30.5	3.0	30.2	3.0	27.0	1.6	28.1	4.0	28.4	3.5	28.3	3.1	10
11	30.6	4.1	30.7	3.0	31.7	3.9	30.1	3.0	27.3	2.0	26.6	1.7	29.0	4.1	29.0	3.4	11
Noon	30.6	3.9	30.6	3.4	31.8	4.6	31.0	3.2	28.9	3.1	27.1	2.2	29.1	3.9	29.5	3.8	Noon
13h	30.6	3.9	30.5	3.4	31.7	3.7	31.1	4.7	29.1	3.1	28.5	3.8	28.8	3.6	29.6	4.0	13h
14	30.0	3.7	30.1	3.0	31.7	3.8	26.5	2.0	29.6	3.5	28.5	3.9	28.3	3.2	29.4	4.0	14
15	30.2	4.0	30.2	3.1	31.8	4.1	24.6	0.6	29.2	3.2	27.9	3.8	27.7	2.5	29.0	3.7	15
16	30.3	3.7	30.1	3.1	31.1	4.2	23.6	0.4	28.9	3.2	28.0	3.7	27.3	2.2	28.7	3.7	16
17	29.7	3.7	30.0	3.0	30.7	4.2	24.0	0.8	28.6	3.3	28.2	3.5	27.9	3.1	28.3	3.6	17
18	29.1	3.3	29.0	2.6	30.1	3.2	23.9	0.8	27.9	2.8	27.2	3.0	26.4	2.7	27.5	3.0	18
19	28.0	2.4	28.1	2.0	28.9	2.6	23.9	0.9	26.7	1.8	26.1	2.1	25.9	1.6	26.6	2.3	19
20	27.0	1.5	27.2	1.4	28.1	2.1	23.4	0.9	26.0	1.9	25.4	1.4	25.8	1.5	25.9	1.8	20
21	26.2	1.6	26.7	1.5	26.6	2.0	23.1	0.9	25.2	1.6	25.1	1.6	25.5	1.2	25.3	1.5	21
22	26.1	1.3	26.1	1.3	26.7	1.5	23.6	0.9	24.9	1.3	24.9	1.5	25.7	1.5	25.1	1.4	22
23	25.8	1.1	25.6	1.3	26.0	1.4	23.3	1.0	24.7	1.4	24.5	1.3	24.6	0.9	24.7	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 JANUARY, 1943.

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, 1943.

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.
Mid-night	09	1.7	10	1.1	12	1.6	29	1.3	02	1.3	r23	1.8	26	1.3	03	0.8	06	0.9	07	1.6	03	2.1	03	0.9	32	3.3	02	1.1	09	1.1	09	2.0
1h	11	1.1	10	1.7	12	0.8	d07	1.2	02	1.1	r14	1.2	26	1.1	03	1.3	07	1.7	07	2.4	32	2.0	03	0.6	31	2.3	02	1.1	09	1.2	11	2.3
2	12	1.2	10	1.2	12	1.0	07	1.2	02	1.0	15	1.1	28	1.4	07	1.1	07	1.0	07	1.1	04	1.7	03	0.6	01	2.8	02	1.1	11	1.3	10	2.9
3	11	1.8	10	1.2	12	0.7	09	1.4	02	1.6	13	1.1	28	2.0	07	1.0	07	1.6	07	1.3	04	2.4	03	1.1	01	2.2	02	1.1	11	1.6	10	2.9
4	12	1.6	11	1.3	12	1.4	10	3.4	d16	1.4	09	0.7	28	1.6	07	0.7	07	1.1	08	1.6	05	1.6	03	1.1	01	1.8	02	0.9	12	1.2	13	1.7
5	12	1.2	11	1.8	12	1.1	12	4.1	16	1.9	09	0.7	28	1.6	07	1.1	07	1.1	08	1.5	09	1.8	03	1.2	01	1.8	07	1.2	12	1.2	11	2.6
6	12	1.6	11	1.5	12	1.2	10	3.7	13	0.9	09	0.6	28	1.3	07	1.1	07	1.1	08	1.8	09	1.5	03	1.5	01	1.1	d20	1.6	12	1.2	10	3.3
7	12	1.2	11	1.1	12	1.1	08	3.8	13	0.8	09	0.9	26	1.1	07	1.2	07	1.2	08	1.4	09	1.3	04	1.0	01	1.2	r11	1.1	12	1.1	06	2.8
8	06	1.8	11	0.7	12	0.6	06	3.2	07	2.0	09	0.7	03	1.7	04	2.0	02	2.3	04	2.2	05	2.4	03	2.8	02	1.4	d19	1.5	12	0.7	09	3.0
9	04	1.4	10	1.2	r02	1.9	08	3.2	03	2.3	06	1.1	02	3.2	06	3.3	05	1.9	02	3.0	03	3.3	02	3.2	32	3.6	19	1.1	12	1.2	07	4.2
10	04	1.7	08	1.6	32	2.1	04	2.5	02	3.5	r28	2.2	01	3.6	04	3.5	05	2.1	02	3.2	02	4.4	02	4.1	32	3.1	24	1.2	r24	1.9	07	4.7
11	02	3.7	06	1.8	29	1.8	02	2.3	02	2.8	30	2.3	02	4.3	04	3.7	07	2.3	02	4.4	02	4.4	30	4.0	01	3.7	30	2.4	27	2.7	09	3.5
Noon	31	3.6	r26	3.1	26	2.6	01	1.3	02	3.6	30	2.1	01	3.9	01	4.2	06	2.8	01	4.2	32	4.6	30	4.3	02	3.2	26	3.6	28	2.9	08	4.8
13h	29	3.6	24	3.3	30	2.7	24	1.3	31	4.0	30	4.5	26	3.7	04	4.0	06	3.0	01	4.4	02	4.4	01	3.1	03	3.6	24	3.1	r16	2.4	06	3.6
14	30	2.5	r12	3.9	29	3.6	24	1.1	30	4.1	26	3.1	31	4.2	03	3.9	06	3.5	02	3.8	32	3.6	31	4.2	32	3.6	23	3.0	12	2.0	06	3.9
15	30	2.5	13	3.1	30	3.6	24	0.7	30	4.2	30	3.6	31	3.9	04	4.1	05	3.1	03	4.1	01	3.9	02	3.9	03	3.0	27	3.0	05	2.3	10	4.3
16	r14	3.6	12	2.7	26	2.4	26	1.2	31	3.4	31	2.6	32	3.4	02	3.5	05	3.3	02	3.4	32	3.3	30	3.2	01	2.4	25	3.2	04	2.5	09	5.0
17	12	3.3	12	1.7	29	2.1	21	1.1	01	4.3	30	2.9	30	3.3	03	3.3	06	2.3	04	3.2	32	3.3	27	2.0	02	2.3	23	2.9	07	1.7	09	4.4
18	12	2.5	07	1.6	29	1.6	21	1.1	01	1.7	31	2.0	02	3.2	03	2.0	07	2.1	05	2.3	03	2.7	31	2.6	01	3.7	25	1.8	10	1.7	09	4.2
19	11	1.5	r31	2.1	29	0.9	d30	1.1	08	1.3	28	1.0	01	1.6	04	1.8	07	1.2	05	2.0	05	1.8	01	2.9	02	2.3	24	1.4	10	1.4	10	3.9
20	11	1.4	31	1.1	29	1.0	02	0.8	09	1.1	28	0.7	01	0.9	04	1.1	07	0.7	06	1.3	05	1.1	02	2.4	02	2.1	d05	1.8	10	1.1	11	2.7
21	11	1.6	d09	1.0	29	1.7	02	1.1	09	0.7	28	1.4	01	0.7	04	1.1	07	1.3	06	1.5	05	1.2	01	2.4	02	0.7	12	3.2	10	1.3	11	3.7
22	10	1.4	09	0.7	29	1.4	02	1.0	09	1.1	26	1.3	01	1.3	04	1.1	07	1.7	06	1.7	05	1.3	01	1.9	02	1.0	12	1.3	10	2.1	10	2.4
23	10	1.6	12	1.3	29	1.7	02	0.9	08	1.1	26	1.2	03	1.2	04	1.5	01	1.3	04	1.6	05	1.2	01	2.0	02	0.8	09	3.1	08	1.5	10	3.1

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.	
Mid-night	10	3.7	11	2.9	10	2.2	10	5.2	06	4.9	06	1.7	07	1.0	25	1.6	25	1.5	09	0.8	25	1.2	28	1.1	09	1.6	08	1.8	10	2.5	1.9
1h	10	3.2	11	2.2	10	1.8	09	5.0	06	4.3	06	2.4	06	0.7	25	2.1	25	1.8	09	0.9	25	1.2	28	1.2	09	1.8	08	1.5	10	3.9	1.8
2	10	2.8	11	2.3	11	1.5	06	5.3	08	5.3	08	2.1	06	1.1	25	1.5	25	1.5	09	0.7	25	1.3	28	1.3	08	1.6	10	2.0	10	3.1	1.8
3	10	3.6	11	2.2	12	3.4	08	5.0	06	4.2	08	2.1	06	1.1	23	2.2	25	1.8	09	0.8	25	1.1	28	1.6	08	0.9	11	1.7	10	3.2	1.9
4	10	2.6	11	2.2	12	1.9	09	7.1	06	5.0	08	2.1	07	1.2	23	1.9	25	1.5	09	0.7	25	1.2	28	1.7	08	1.1	11	2.0	10	2.2	1.9
5	10	3.0	11	2.4	12	1.8	08	4.4	08	4.4	07	2.0	07	1.0	22	1.8	25	1.3	09	1.0	25	1.3	28	1.5	09	1.3	11	1.8	10	3.4	1.9
6	10	2.6	11	2.2	07	1.8	06	4.2	07	4.1	07	1.5	06	0.9	23	2.0	22	1.2	12	0.9	25	1.1	28	1.7	11	1.6	11	1.9	10	3.2	1.8
7	10	3.0	10	3.3	09	1.6	05	5.9	09	5.0	07	1.9	06	0.7	24	2.8	22	1.2	12	0.7	25	1.0	28	1.4	11	1.0	11	2.7	10	3.9	1.9
8	08	3.8	11	3.7	10	2.9	06	3.2	08	5.8	07	2.7	02	3.3	23	3.4	21	1.9	12	1.6	25	1.9	d04	2.5	11	1.5	10	4.2	09	3.9	2.4
9	10	4.4	09	3.6	07	3.4	05	3.2	06	5.6	06	2.2	01	4.4	24	3.9	25	2.2	a25	32	30	2.8	03	3.1	11	1.8	09	5.2	09	5.5	3.0
10	10	5.4	10	3.9	08	5.0	05	2.4	07	4.9	03	2.8	03	2.6	23	4.2	24	2.6	26	4.1	23	2.3	04	3.1	11	1.7	09	4.9	09	6.1	3.8
11	09	5.8	10	5.0	07	4.9	05	2.5	06	4.6	05	5.9	01	4.7	22	4.3	24	3.7	26	3.7	27	3.3	03	3.3	06	2.8	06	4.4	10	5.9	3.7
Noon	08	5.4	09	5.3	07	5.2	08	3.7	08	4.7	05	3.4	31	4.6	24	4.4	22	3.4	26	3.4	27	3.3	04	4.3	10	3.2	08	4.1	09	5.5	3.8
13h	09	4.8	09	6.2	08	4.7	08	6.1	09	4.2	05	3.0	30	4.6	27	4.5	25	3.1	25	3.8	29	3.2	03	4.1	08	3.1	10	4.9	10	5.4	3.9
14	10	4.6	09	6.7	09	5.5	08	6.6	08	6.0	03	3.3	30	4.7	27	3.5	27	3.1	23	4.1	27	3.1	09	3.1	09	3.7	09	5.1	09	5.8	4.0
15	10	4.9	09	6.1	09	5.2	08	7.7	06	5.9	05	3.1	29	4.7	24	4.3	23	3.5	27	3.9	26	2.7	15	3.5	07	3.6	09	4.4	05	4.4	3.9
16	10	4.9	08	5.7	08	6.3	08	7.2	09	5.4	07	2.8	30	4.7	24	3.9	24	3.0	24	3.7	26	2.6	08	1.6	06	4.0	11	4.2	09	3.5	3.6
17	09	4.4	10	4.7	10	6.0	06	4.4	06	5.1	06	2.5	31	4.4	24	3.4	24	2.2	27	3.2	31	2.7	06	1.4	06	3.5	10	4.6	09	5.5	3.3
18	10	4.5	10	4.1	09	4.5	06	4.7	07	4.0	06	2.9	31	3.9	25	3.0	25	1.6	25	2.0	01	2.0	08	1.3	08	3.0	06	4.4	10	3.7	2.8
19	09	3.5	11	2.5	09	5.0	06	4.7	06	3.7	05	1.4	28	3.2	25	2.2	25	0.6	25	1.5	02	1.9	06	1.2	06	2.1	10	3.2	10	2.5	2.2
20	10	2.7	10	3.0	08	4.4	06	5.0	06	3.3	07	1.4	29	3.3	25	2.1	25	1.1	25	0.8	02	1.7	09	1.3	06	2.9	10	2.5	10	2.8	1.9
21	11	2.6	10	3.2	08	4.6	06	4.7	06	3.1	07	1.1	30	1.7	26	2.2	25	1.2	25	1.1	02	4.0	09	1.6	06	2.5	10	2.7	11	3.1	2.1
22	10	3.3	10	2.8	07	4.8	08	4.8	08	2.1	07	1.4	30	2.0	25	2.0	r17	1.2	25	0.9	03	2.5	09	1.9	08	1.7	10	2.5	09	3.7	1.9
23	10	2.4	09	3.3	09	4.5	08	4.7	06	2.4	07	1.2	26	1.9	25	2.2	17	1.0	25	1.1	03	3.1	09	1.2	08	1.9	10	2.6	05	2.1	2.0

TABLE XIII.-WIND FREQUENCY (NUMBER OF OCCASIONS), JANUARY, 1943.

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	2	2	1	9	4	7	-	-	-	-	-	3	-	2	-
9	-	2	29	2	4	6	3	7	2	2	-	-	-	1	-	3	-	-	1
15	-	3	28	2	1	7	-	6	2	1	-	1	-	-	-	3	-	4	4
21	-	-	31	2	3	2	1	9	3	5	-	-	-	-	-	2	1	2	1
Totals				7	10	17	5	31	11	15	-	1	-	1	-	11	1	8	6

TABLE XIVa.-RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for JANUARY, 1943.

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	0.2	...	...	...	...	0.1	...	...	...	0.4	1.0	...	2.7	...	...	...	...	...	...	1.1	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	0.2	...	...	...	0.1	2.7	...	...	...	...	...	...	...	...	2.8	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	0.3	...	...	...	...	0.3	...	...	...	...	...	...	...	...	3.1	...	...	...	...	...	0.3	...	...	...	...	...
4	...	...	...	...	4.0	0.9	...	...	...	...	0.2	...	...	...	...	...	...	...	...	6.4	...	...	...	...	0.1	0.3	...	...	...	...	...
5	...	...	...	1.3	4.2	1.4	...	...	...	...	...	...	...	0.9	...	...	...	...	...	0.9	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	0.7	...	...	...	...	...	1.0	...	0.1	...	...	...	...	0.7	3.4	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	0.1	...	...	...	...	...	...	...	2.0	...	...	0.5	...	...	0.2	15.5	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	1.2	...	0.3	...	...	...	6.1	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	1.5	...	...	...	...	...	2.8	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.6	...	...	1.7	...	...	...	...	...	...	...	...
11	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	0.8	9.4	...	...	...	...	...	...	0.4	...	0.1	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	1.9	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.2	...	...	...	...	...	0.2	...	2.5	...	...	...	...	2.1	...	...	...
15	0.2	9.1	...	...	...	...	...	...	...	...	...	...	...	...	1.1	...	...	...	...	...	...	...	...	...	...	...	...	22.5	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19.9	...	...	...	...	...	...	...	...	...	...	...	...	18.6	...	...	0.2
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	2.9	...	...	...
18	1.6	...	...	...	6.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4.2	...	...	...	...	0.8	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.0	...	...	0.4	0.5	...	...	0.1	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	14.0	...	...	...	...	0.4	...	...	0.7	...	...	...	0.1	...	...	...	...	0.1
22	...	...	...	...	...	...	...	...	...	...	...	...	...	7.8	...	...	...	...	...	...	...	...	...	...	1.6	0.2	...	...	...	...	...
23	...	2.7	...	...	...	...	...	0.7	1.9	0.1	1.5	...	...	...	...	...	...	...	6.3	...	...	...	6.8	...	0.1	...	...	...	...	...	2.0
24	...	0.2	...	...	2.5	...	...	0.3	0.9	1.2	0.1	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...

TABLE XIVb.-RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for JANUARY, 1943.

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1	...	...	...	...	...	...	...	...	...	0.3	0.3	2.1	4.0	...	...	...	...	...	...	0.9	...	...	...	...	...	...	...	...	...	...	0.7
2	...	...	...	...	...	0.6	...	...	...	...	...	...	3.4	0.3	...	...	...	...	1.7	13.0	...	...	...	0.7	...	...	...	...	...	...	...
3	...	...	...	...	1.8	...	...	...	...	...	...	...	13.9	0.5	...	0.1	...	...	...	3.9	...	...	...	...	...	...	...	...	...	...	0.1
4	...	...	...	...	0.3	...	...	...	...	...	...	0.2	7.4	16.4	...	0.6	...	...	...	1.2	0.1	...	...	...	...	...	...	...	...	...	...
5	...	...	0.1	...	...	...	...	...	...	...	...	0.1	2.6	9.4	...	3.4	...	...	...	4.7	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	0.4	1.2	30.2	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	0.2	...	...	...	...	...	...	0.5	9.4	...	...	...	...	...	0.4	0.7	...	0.2	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	1.4	...	...	0.1	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...
10	...	1.9	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	...	4.0	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	2.0	...	...	1.7	0.2	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...	...	...	...	...	...
Noon	...	0.1	...	...	...	...	1.5	...	...	...	...	...	0.2	...	...	...	...	...	...	0.8	1.9	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	0.8	...	...	...	0.1	...	...	0.1	...	...	...	...	11.1	...	...	...
14	...	0.6	...	0.1	...	...	...	...	...	...	...	...	...	...	0.2	0.2	...	...	0.8	...	...	...	5.3	...	...	...	...	18.0	...	...	...
15	...	21.0	...	0.1	...	...	...	...	0.8	...	...	...	...	...	1.7	...	...	...	...	...	...	...	...	...	...	...	...	4.5	...	...	...
16	1.1	6.4	...	...	...	...	...	...	0.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8	...	...	0.1
17	...	1.3	...	...	...	...	...	...	0.1	...	...	...	...	...	0.1	...	...	...	...	...	...	...	0.6	...	...	...	...	0.8	...	...	...
18	...	...	...	...	0.6	...	...	...	...	0.1	...	...	...	0.5	...	1.5	...	0.1	...	...	...	...	8.0	...	...	...	...	...	...	...	...
19	...	...	...	...	1.4	...	...	...	...	...	...	...	...	...	...	0.8	...	2.1	...	...	...	...	5.1	...	...	...	...	...	...	...	0.2
20	...	...	...	...	...	0.1	...	...	...	...	...	...	0.1	...	...	2.8	...	0.1	...	...	...	...	0.1	...	...	...	...	...	...	...	...
21	...	0.6	...	...	...	...	...	...	...	...	...	2.4	...	...	...	...	...	...	...	0.1	...	...	1.8	...	...	...	0.5	...	...	...	0.3
22	...	3.0	...	...	...	...	...	...	...	...	...	8.4	...	...	...	...	...	...	0.2	...	...	...	0.2	...	2.5	...	10.4	...	...	...	0.2
23	...	0.9	...	...	1.8	...	...	...	0.7	0.4	...	0.3	...	...	...	...	...	...	1.4	...	...	...	...	...	...	...	2.7	...	...	...	...
24	...	...	...	...	...	...	...	...	1.2	...	...	20.6	...	...	...	...	...	...	2.2	...	...	...	...	...	...	...	0.3	...	...	...	0.2

TABLE XV.-TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS according to RIVER SYSTEMS indicated on the CHART for JANUARY, 1943.

RIVER SYSTEM	STATIONS	Approximate Altitude in feet.	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Sèche	20	12.58	319.5	8.23	-
	St. Antoine	50	10.67	271.0	6.98	18
	Bel Mont	50	10.08	256.0	7.69	15
	Poudre D'Or	20	10.35	262.9	7.09	15
	Mon Loisir	300	15.63	397.0	8.18	24
	Forbach	300	8.29	210.6	8.43	16
	Courcupa	-	-	-	11.33	-
	Labourdonnais	290	6.93	176.0	8.96	18
	Mapou Water Office	300	No Record		-	-
	Beau Séjour	300	10.48	266.2	9.51	20
	Mont Piton	650	8.71	221.2	10.47	15
	Mon Choix	700	8.31	211.1	10.42	16
	Antoinette	640	18.05	458.5	9.98	22
	Mon Songe	325	14.36	364.7	10.08	19
	Botanical Gardens	325	9.20	233.7	9.59	25
	The Observatory	179	9.39	238.6	8.16	25
	[illegible]tude	175	10.11	256.6	6.96	14
	St. André-cour	90	-	-	7.79	-
	La Nicolière	-	16.50	419.1	13.17	25
	California	-	17.90	454.7	9.76	19
	Australia	-	20.92	531.4	-	-
2 & 3	Union Flacq S.E.	600	19.83	503.7	9.87	19
	Constance La Gaite	100	17.84	453.1	8.94	20
	Rich Fund	600	17.12	434.8	10.96	21
	La Joffrette	-	16.15	410.2	-	18
	Belle Vue Allendy	-	19.99	505.5	11.28	20
4	San[illegible]ci	900	[illegible].94	608.1	16.53	23
	Beau Champ G.R.S.E.	20	[illegible].36	364.7	8.12	23
	Olivia	400	20.74	526.8	11.33	23
	Trois Ilots	-	19.11	485.4	-	23
	Belle Rive	400	25.19	512.8	14.28	28
	Sébastopol	700	-	-	-	-
5	Bonne Veine	400	19.23	488.4	18.33	18
	Rose Belle	850	19.26	489.2	18.04	25
	New Grove	650	22.23	564.6	-	23
	Mon Trésor	-	25.62	650.7	-	20
	Mon Désert Carié	75	15.29	390.9	7.85	19
	Fernay	20	-	-	12.35	~~20~~
	Sauve Terre	-	13.35	339.1	-	-
	Tivoli	1300	[illegible].30	591.8	15.63	25
	La Flora	1050	22.95	582.9	17.58	24
	Riche Bois Britannia	650	26.02	660.9	15.21	21
6	Britannia Estate	700	23.16	588.3	13.33	24
	Savannah	200	15.17	385.3	10.89	21
	St. Aubin	300	21.12	536.4	10.76	23
	St. Avold	900	23.95	608.3	14.05	24
	Co[illegible]	400	22.29	566.2	12.85	21
	[illegible] Sugar Estate	-	15.37	390.4	9.86	-
	Fontenelle	320	19.19	487.4	10.77	-
	Choisy	200	12.81	325.4	10.35	18
	Beau Bois	-	25.95	659.1	10.73	24
	Bel Air	-	18.10	459.7	9.67	16
	St.-Félix	-	22.18	563.4	-	14
7, 8, 9 & 10	[illegible]el Ombre	40	20.04	509.0	9.25	23
	[illegible]eau Champ Baie du Cap	70	18.47	469.1	8.66	21
	[illegible]rédérica	-	19.89	505.2	-	23
	[illegible]ierre Fonds	-	7.60	193.0	10.51	18
	Ste. Marie	-	17.27	438.7	-	21
	Hubsonia	-	-	-	-	-
11	Curepipe Gardens	1840	17.60	447.0	16.71	17
	Mare aux Vacoas G.E.	1850	19.93	506.2	19.51	23
	Mare aux Vacoas Arnaud	1830	22.56	573.0	17.85	24
	La Marie Filter Beds	1700	15.26	387.6	14.87	21
	Sophie		No Record			
	Reunion	1420	15.56	395.2	13.10	16
	Aerological Station	1393	15.42	391.6	13.40	26
	Phoenix	-	15.35	389.9	12.76	13
	Quatre Bornes	-	8.64	219.5	-	17
12	Quatre Bornes Board	1090	9.26	235.2	-	12
	Le Réduit, Dept. of Agric.	1000	9.13	231.9	10.00	25
	Trianon	950	10.55	268.0	10.30	17
	Alma	1450	18.38	466.9	17.88	21
	Bagatelle	-	17.63	447.8	11.66	17
	Highlands	1300	14.05	356.9	14.10	19
	Val Ory	1100	-	-	10.65	-
	Bassin	-	8.43	214.1	10.56	13
	Hermitage	1450	14.70	373.4	17.16	18
	Ebène	-	12.16	308.9	-	20
	Bega	-	10.38	263.7	-	20
	Mon Rêve	-	12.45	316,2	-	20
	Mont Pévril	-	11.04	280.4	-	20
	Minissy	1150	14.37	365.0	12.30	20
	Plaisance	-	11.47	291.3	-	17
	La Ferme	350	10.32	262.1	8.52	16
13	Line Barracks	-	8.23	208.9	-	21
	Richelieu C. Res. Station	-	7.01	178.1	-	19

TABLE XVI.-PILOT BALLOON OBSERVATIONS FOR THE MONTH OF JANUARY, 1943.

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,500 metres		2,000 metres		2,500 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.
1		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	7.56	321	1.3	292	0.5	343	1.8	360	1.4	003	1.8	...	...	...	...	...	...	...	...	...	...	...	...
3	8.43	049	0.9	360	2.2	334	3.9	351	4.0	013	3.5	...	...	...	...	...	...	...	...	...	...	...	...
4	8.48	077	4.4	068	9.0	048	10.2	036	8.3	022	8.6	357	6.5	...	...	...	...	...	...	...	...	...	...
5	9.30	002	5.0	005	3.4	019	4.6	037	6.5	044	8.6	...	...	...	...	...	...	...	...	...	...	...	...
6	9.20	324	1.3	320	1.6	018	0.6	351	0.6	335	1.4	...	...	...	...	...	...	...	...	...	...	...	...
7	8.58	020	5.2	014	5.1	017	6.1	022	6.4	038	6.3	...	...	...	...	...	...	...	...	...	...	...	...
8	9.19	001	11.2	009	7.6	035	4.2	029	5.4	052	3.3	055	7.6	...	...	...	...	...	...	...	...	...	...
9	8.50	003	5.6	035	3.5	062	2.9	057	4.0	043	4.6	090	3.1	...	...	...	...	...	...	...	...	...	...
10	8.47	008	5.5	018	4.5	046	2.7	095	2.2	110	2.3	...	...	...	...	...	...	...	...	...	...	...	...
11	9.09	014	8.9	025	7.9	029	6.2	031	4.8	053	5.5	...	...	...	...	...	...	...	...	...	...	...	...
12	9.24	011	6.5	012	7.0	017	7.8	003	7.4	354	8.2	...	...	...	...	...	...	...	...	...	...	...	...
13	9.09	010	7.8	006	6.0	004	5.0	325	4.3	322	5.3	...	...	...	...	...	...	...	...	...	...	...	...
14	9.17	139	2.7	256	0.8	302	6.5	291	6.7	293	7.8	...	...	...	...	...	...	...	...	...	...	...	...
15	9.13	332	1.4	018	0.3	346	1.6	342	2.9	335	3.3	...	...	...	...	...	...	...	...	...	...	...	...
16	9.11	107	7.0	086	3.9	083	8.1	085	9.4	085	10.6	...	...	...	...	...	...	...	...	...	...	...	...
17	9.23	089	9.6	092	11.8	101	10.1	106	11.2	110	12.8	...	...	...	...	...	...	...	...	...	...	...	...
18	9.39	086	7.8	088	8.8	092	4.6	101	6.4	103	7.8	...	...	...	...	...	...	...	...	...	...	...	...
19	9.37	094	9.5	086	6.3	080	10.2	079	10.0	069	6.7	...	...	...	...	...	...	...	...	...	...	...	...
20	10.17	074	7.9	067	12.2	050	15.1	050	20.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	14.24	068	5.7	079	7.7	077	31.8	077	76.8	073	36.8	...	...	...	...	...	...	...	...	...	...	...	...
22	9.22	080	7.1	069	4.9	052	4.4	057	6.6	055	7.0	...	...	...	...	...	...	...	...	...	...	...	...
23	9.04	007	9.4	009	8.8	004	7.8	358	6.6	349	5.1	...	...	...	...	...	...	...	...	...	...	...	...
24	9.13	287	1.8	288	2.0	276	4.9	290	5.9	292	6.7	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	9.17	285	4.4	284	4.2	284	5.0	281	6.3	278	7.7	...	...	...	...	...	...	...	...	...	...	...	...
27	8.56	326	1.8	322	2.4	304	3.9	299	5.8	302	7.7	...	...	...	...	...	...	...	...	...	...	...	...
28	9.11	032	7.5	033	5.6	041	4.9	022	3.8	005	2.4	...	...	...	...	...	...	...	...	...	...	...	...
29	9.09	328	1.5	090	1.0	111	3.4	105	4.6	089	5.7	060	6.2	063	9.3	052	8.9	...	...	...	...	...	...
30	9.02	095	5.1	098	3.5	105	6.0	103	7.0	109	9.0	...	...	...	...	...	...	...	...	...	...	...	...
31	8.39	080	6.2	115	5.7	110	5.8	092	6.9	084	8.1	...	...	...	...	...	...	...	...	...	...	...	...

C.2.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20° 5' 39" S -LONGITUDE 3h 50m 12.6s E.)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

FEBRUARY, 1943.

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 FEBRUARY, 1943.

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	Daily Range ≠ Vertical Force
				Unit 1 γ		
FEB.	′			′		
1	14°26.1	.22426	.29990	7.0	34	15
2	25.8	431	987	9.5	39	29
3	.25.9	423	987	9.0	54	22
4	26.2	416	...	7.5	62	..
5	26.2	419	993	7.2	37	11
6	26.8	419	985	10.0	38	29
7	26.4	420	986	11.0	22	27
8	27.0	424	985	9.7	29	25
9	26.6	428	985	8.0	20	18
10	27.0	437	980	7.7	37	26
11	26.9	430	982	6.5	49	16
12	26.1	433	984	5.5	32	15
13	26.5	...	981	6.3	..	19
14	...	...	984	...	..	10
15	26.5	434	977	9.0	35	44
16	26.6	431	981	9.5	22	29
17	26.6	413	984	12.8	103	25
18	27.0	411	988	8.5	19	24
19	27.0	413	988	7.7	20	18
20	27.1	419	986	7.5	32	22
21	26.1	421	985	9.0	40	27
22	26.9	425	986	9.2	39	20
23	26.4	426	984	11.3	31	20
24	26.7	420	985	12.0	25	28
25	27.2	419	986	8.6	61	20
26	26.8	396	993	8.3	68	17
27	27.2	396	996	6.0	46	13
28	27.1	424	992	6.6	31	15
..	...	...	...	...	..	..
..	...	...	...	...	..	..
..	...	...	...	...	..	..
Mean	14°26.62	.22421	.29986	8.55	39.4	21.6

T = .37442: Mean Dip = 53°12.83: (X = .21712: Y = -.05592: Z = .29986).

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

Description of the Principal Magnetic Disturbances.

H.F.

3d. to first half of 7d: Slightly disturbed in parts.
9d. Slightly disturbed.
11d. Slightly disturbed in parts.
13d. Sudden commencement at 5h. 5m. of a very moderate disturbance subsiding after 23h.
14d. Slightly disturbed.
17d. Moderately disturbed; small rapid pulsations preceding large irregular wave from fluctuations 55γ to 70γ between 12h. and 20h.
18d. Trace almost quiet after 2h.
19d. Trace almost quiet.
Very slightly disturbed on 22d., 23d., 24d.
25d. Big disturbance between 1h. 15m. and 2h. 30m. Double wave (27γ) at end.
27d. Very slightly disturbed in parts.

TABLE II.-RESULTS OF ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH OF FEBRUARY, 1943.

Declination (West)		Horizontal Force		Dip (South)		Resulting
Day and hour	Observed Value	Day and hour	Observed Value	Day and hour	Observed Value	Vertical Force
d h m	° ′	d h m		d h m	° ′	
2.14.04	14.22.14	3. 9.37	.22448	2.14.13	53.11.31	.29983
16.14.19	14.22.52	6.11.08	.22437	16.14.29	53.11.94	.29983
26.12.20	14.24.46	12.11.55	.22453	26.12.35	53.17.56	.30055
		15.11.17	.22456			
		18.10.59	.22421			
		22.10.53	.22441			

TABLE III.-MAGNETIC DECLINATION (WEST) at every Hour of the Day as deduced from the PHOTOGRAPHIC RECORDS.

FEBRUARY, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	26.7	26.5	25.7	27.5	27.0	26.5	26.0	26.5	26.5	26.7	26.3	27.0	27.3	27.5	26.7	26.7	Midnight
1h	27.0	26.5	26.5	27.3	26.0	26.5	26.3	26.7	26.5	26.5	26.3	27.2	27.0	27.0	27.3	27.0	1h
2	26.7	26.5	27.0	27.3	26.5	26.3	26.5	26.5	26.5	26.5	26.5	27.3	27.3	...	27.5	27.0	2
3	27.0	26.7	27.0	27.0	27.0	27.0	26.5	26.7	27.0	27.0	26.7	27.3	27.5	...	27.7	27.5	3
4	27.0	27.0	27.5	27.7	26.7	27.5	27.0	26.5	27.5	27.3	27.0	27.5	27.5	...	27.7	27.7	4
5	27.5	27.5	28.0	28.0	26.7	26.5	28.0	27.6	28.3	27.7	28.0	27.5	28.0	...	27.6	27.7	5
6	27.5	28.0	28.7	29.0	28.3	29.0	29.0	29.0	29.0	28.0	28.7	27.7	29.0	...	29.0	28.0	6
7	30.0	30.7	31.0	30.0	30.5	32.0	31.5	31.5	30.7	30.0	30.5	27.5	30.3	...	31.0	30.5	7
8	29.0	31.0	30.0	28.0	29.5	32.5	32.0	33.0	31.0	30.7	31.0	27.0	29.0	26.5	31.0	34.5	8
9	27.0	30.0	27.0	25.3	27.0	30.5	29.5	32.0	30.0	30.7	30.3	28.5	27.5	26.3	29.0	30.3	9
10	26.0	26.5	25.0	24.3	25.0	28.3	28.0	30.5	28.0	30.0	28.0	25.7	27.0	25.0	25.5	28.0	10
11	24.0	23.0	23.0	23.0	23.7	27.0	23.0	28.0	27.0	30.0	26.5	25.0	26.0	24.7	22.5	24.5	11
Noon	23.0	21.5	23.0	22.7	23.5	24.0	21.5	25.5	26.0	28.3	26.0	24.5	25.0	25.3	22.0	22.7	Noon
13h	23.0	21.5	22.5	22.5	23.3	22.5	21.0	24.0	24.0	27.0	25.7	24.3	25.3	26.3	22.5	22.0	13h
14	23.5	22.0	22.3	23.5	24.3	22.5	22.3	23.3	23.0	25.0	25.0	23.7	24.5	25.7	23.5	22.0	14
15	24.3	22.7	22.0	24.0	25.0	24.0	24.0	23.7	23.0	24.0	24.5	23.5	25.0	25.5	25.0	24.0	15
16	25.0	23.7	23.0	25.0	25.5	25.0	25.0	24.0	23.0	23.0	24.5	23.0	24.3	25.3	26.7	25.5	16
17	25.7	24.5	24.5	26.0	26.3	26.3	26.7	24.7	24.0	24.0	25.3	24.5	24.2	25.5	26.5	26.5	17
18	26.0	25.7	25.7	27.0	26.3	27.0	27.0	26.3	25.0	25.0	26.0	25.7	24.0	25.5	26.3	27.0	18
19	26.3	26.0	26.0	27.0	26.0	26.5	26.7	26.5	26.0	25.7	26.3	26.0	25.0	25.7	26.2	26.7	19
20	26.3	25.7	24.0	27.0	26.7	26.7	26.5	26.3	26.3	26.3	26.5	26.0	26.0	26.0	26.2	26.7	20
21	26.3	26.0	26.0	27.0	27.0	27.5	26.7	26.3	26.3	26.5	26.5	26.5	26.3	26.0	26.3	26.5	21
22	26.3	25.7	26.0	26.5	26.3	26.7	27.0	26.3	26.5	26.7	26.7	26.5	26.7	26.3	26.5	26.3	22
23	26.5	25.7	26.3	27.0	26.0	26.3	26.3	25.5	27.0	26.5	27.0	26.5	27.0	26.5	26.7	26.5	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	...	...	...	Mean	Day \ Hour
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'				'	
Midnight	26.7	26.0	26.7	26.5	26.5	27.0	27.0	27.0	26.7	29.0	29.3	27.5	...	...	...	26.9	Midnight
1h	27.0	25.0	26.7	26.7	26.7	26.7	27.2	27.0	27.0	28.3	28.7	27.5	...	...	...	26.9	1h
2	27.0	26.0	27.0	27.0	27.0	27.0	27.0	27.3	26.7	29.0	28.5	27.0	...	...	...	27.0	2
3	27.1	27.5	27.5	27.3	27.7	27.5	27.5	27.5	26.5	29.0	28.3	27.0	...	...	...	27.3	3
4	27.5	28.0	28.0	27.7	28.0	28.0	28.3	27.7	27.0	28.5	28.3	27.2	...	...	...	27.5	4
5	27.7	29.0	27.7	28.0	28.3	28.3	28.5	28.5	27.7	28.5	28.2	27.5	...	...	...	27.9	5
6	28.0	29.7	28.3	28.7	26.5	29.0	29.3	29.0	28.3	26.5	27.5	28.0	...	...	...	28.5	6
7	31.0	31.0	30.0	30.0	30.0	31.0	31.0	31.5	30.0	27.7	27.5	29.3	...	...	...	30.3	7
8	33.8	31.0	31.7	31.5	30.3	31.5	32.0	33.0	31.3	29.7	28.5	30.3	...	...	...	30.6	8
9	31.7	30.5	30.0	30.7	29.0	30.3	30.7	31.0	31.0	29.0	29.3	29.7	...	...	...	29.5	9
10	28.7	29.7	27.5	28.0	25.5	29.0	27.0	27.3	29.0	27.0	29.0	29.0	...	...	...	27.5	10
11	26.0	27.0	26.0	25.7	22.0	26.0	26.0	25.0	26.0	26.0	27.7	28.3	...	...	...	25.5	11
Noon	23.7	24.0	25.0	25.3	20.7	24.3	23.5	23.0	24.0	23.5	26.5	27.0	...	...	...	24.1	Noon
13h	24.0	22.5	24.0	24.3	20.0	22.5	22.0	21.0	23.0	21.7	25.5	25.5	...	...	...	23.2	13h
14	22.3	23.5	24.0	24.0	21.3	22.3	21.0	21.0	22.7	21.7	23.3	24.3	...	...	...	23.0	14
15	21.0	24.7	24.3	24.5	23.0	23.3	20.7	22.0	23.7	22.5	23.3	23.7	...	...	...	23.5	15
16	22.3	26.0	25.5	26.0	24.0	24.7	22.5	23.5	24.7	24.0	24.5	24.3	...	...	...	24.4	16
17	25.5	26.7	27.0	27.0	25.7	26.0	23.7	25.7	26.0	26.0	26.2	25.3	...	...	...	25.6	17
18	25.0	27.3	27.0	27.3	26.7	27.0	25.5	26.5	26.7	26.7	27.0	26.5	...	...	...	26.3	18
19	27.0	26.5	27.0	26.7	27.0	27.0	26.3	27.0	27.0	26.5	27.3	27.0	...	...	...	26.5	19
20	26.7	26.3	27.3	26.7	27.0	27.2	26.5	27.3	27.5	27.0	27.2	27.0	...	...	...	26.6	20
21	26.7	26.5	27.0	26.7	27.0	27.0	26.7	27.0	27.7	27.7	27.3	27.5	...	...	...	26.8	21
22	26.5	26.7	26.7	26.5	26.7	26.7	26.5	27.3	31.0	28.0	27.3	27.3	...	...	...	26.8	22
23	26.3	26.5	26.5	26.5	27.0	26.5	27.0	27.3	30.0	30.0	27.5	27.5	...	...	...	26.9	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).

FEBRUARY, 1948.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	.22000 + (C.G.S. Unit)																
Midnight	420	415	430	418	402	411	413	409	420	431	427	418	436	420	436	428	Midnight
1h	421	414	429	417	416	419	414	409	424	429	428	421	437	...	431	428	1h
2	423	418	427	407	418	418	427	427	431	428	430	420	438	...	431	426	2
3	418	434	428	410	419	419	421	423	438	432	435	425	440	...	430	425	3
4	420	430	429	412	422	420	422	426	439	431	433	427	440	...	430	423	4
5	421	427	426	416	425	417	420	427	438	432	434	425	440	...	440	427	5
6	429	427	430	414	432	424	420	428	434	433	436	426	471	...	439	428	6
7	430	428	434	421	439	427	419	430	439	440	459	434	464	...	441	430	7
8	434	431	441	430	433	431	418	433	430	448	458	439	460	...	440	432	8
9	440	437	450	442	432	436	424	434	425	447	452	441	460	454	440	434	9
10	443	442	444	449	424	438	425	433	426	449	439	442	459	455	444	439	10
11	445	452	438	442	416	428	422	438	438	452	439	447	471	462	454	440	11
Noon	443	453	430	435	414	414	422	428	439	456	429	444	476	459	452	445	Noon
13h	437	450	427	430	416	404	426	422	426	452	432	450	449	452	443	443	13h
14	432	442	419	414	424	411	429	419	419	457	431	442	441	438	439	436	14
15	429	434	414	387	419	420	425	413	424	455	428	429	438	430	430	430	15
16	424	430	406	406	405	419	427	420	425	450	420	428	432	430	428	429	16
17	421	427	400	411	413	425	424	420	423	438	410	430	430	434	420	429	17
18	418	418	396	407	414	421	422	419	423	423	413	431	430	436	419	427	18
19	411	422	405	405	411	420	420	418	422	420	416	433	425	439	424	426	19
20	418	421	409	400	412	417	416	419	422	421	419	434	423	435	426	424	20
21	417	421	407	408	413	408	409	421	421	421	420	433	429	434	426	427	21
22	412	428	413	409	413	400	408	417	420	420	419	430	422	435	423	442	22
23	416	430	416	408	413	402	407	426	424	427	418	430	429	438	430	433	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	...	...	...	Mean	Hour \ Day
	.22000 + (C.G.S. Unit).																
Midnight	435	402	411	410	414	402	420	415	414	398	364	412	...	...	...	414	Midnight
1h	444	420	413	415	413	414	421	409	413	385	367	418	...	...	...	417	1h
2	450	421	412	415	416	418	426	415	423	384	373	418	...	...	...	419	2
3	449	411	419	416	417	420	430	418	426	388	384	419	...	...	...	421	3
4	457	410	417	413	419	421	424	421	422	392	395	419	...	...	...	422	4
5	460	408	422	413	420	422	430	420	419	399	403	419	...	...	...	423	5
6	458	410	420	414	421	423	431	423	419	400	406	416	...	...	...	425	6
7	430	405	420	420	423	427	428	428	420	416	410	417	...	...	...	428	7
8	423	407	414	424	424	434	427	420	417	407	406	413	...	...	...	427	8
9	434	410	416	427	429	441	431	425	422	411	401	420	...	...	...	431	9
10	428	418	426	430	433	441	438	431	430	409	394	430	...	...	...	432	10
11	409	421	421	438	440	440	446	430	433	421	399	438	...	...	...	434	11
Noon	390	415	410	439	440	440	447	432	434	411	402	441	...	...	...	431	Noon
13h	400	410	407	436	437	439	432	429	437	402	402	443	...	...	...	428	13h
14	410	410	408	430	434	429	424	419	436	392	390	437	...	...	...	424	14
15	357	409	406	421	429	423	423	416	435	391	338	430	...	...	...	418	15
16	365	410	407	422	423	420	421	419	432	408	395	425	...	...	...	418	16
17	391	407	406	411	419	418	420	420	428	407	390	423	...	...	...	417	17
18	380	403	407	411	416	419	418	414	418	408	390	420	...	...	...	414	18
19	387	405	408	409	414	421	421	419	409	407	400	420	...	...	...	414	19
20	390	407	408	407	412	420	421	419	402	389	407	418	...	...	...	414	20
21	389	410	409	412	412	420	419	420	398	363	409	419	...	...	...	413	21
22	394	410	409	409	407	420	423	407	395	353	406	420	...	...	...	412	22
23	398	412	412	411	400	419	416	410	376	379	408	424	...	...	...	413	23

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

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

FEBRUARY, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	.29000 + (C.G.S. Unit).																
Midnight	991	990	988	993	993	993	990	992	986	988	984	987	988	987	986	982	Midnight
1h	992	991	989	988	991	990	989	992	989	987	985	988	986	987	986	982	1h
2	991	991	991	990	990	991	989	989	989	988	985	988	986	988	987	983	2
3	993	992	991	990	991	991	987	987	986	987	984	988	986	987	987	983	3
4	994	991	992	991	991	991	988	987	987	987	985	988	986	987	987	984	4
5	994	992	992	992	992	989	989	988	986	987	985	988	986	987	987	985	5
6	995	993	993	994	993	994	991	991	987	987	986	988	984	987	988	986	6
7	997	997	997	995	995	996	997	994	991	988	989	987	983	985	989	992	7
8	988	995	988	991	990	992	995	996	992	986	986	985	975	978	983	988	8
9	983	986	978	989	988	983	986	993	989	984	983	985	969	979	972	981	9
10	982	971	977	987	993	980	977	987	983	980	976	983	970	979	952	972	10
11	982	968	975	986	992	979	972	980	984	975	973	978	970	982	945	963	11
Noon	983	973	977	991	990	972	970	976	977	970	976	976	971	983	948	965	Noon
13h	983	976	977	...	994	969	973	971	974	967	976	973	978	985	958	968	13h
14	986	981	978	...	997	976	979	972	975	963	976	974	979	985	968	973	14
15	990	985	977	...	999	980	987	974	975	962	976	980	981	984	974	962	15
16	992	988	981	...	997	981	987	977	978	962	976	983	982	983	981	984	16
17	991	990	987	...	995	981	988	980	982	969	980	985	980	982	982	984	17
18	992	992	992	...	993	983	987	984	983	977	982	986	979	982	980	984	18
19	992	991	992	992	992	983	986	983	986	980	982	985	983	983	979	983	19
20	992	989	991	992	993	984	986	984	986	982	982	985	984	983	980	983	20
21	991	989	991	992	992	989	988	986	986	983	983	985	984	983	980	983	21
22	991	988	990	993	992	990	991	987	988	986	985	986	985	985	982	983	22
23	991	988	991	993	992	990	991	991	989	985	986	986	986	985	982	983	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	...	...	...	Mean	Hour \ Day
	.29000 + (C.G.S. Unit).																
Midnight	983	986	990	990	989	993	991	992	991	997	1002	997	...	...	...	990	Midnight
1h	983	986	989	989	988	991	989	993	991	997	1002	997	...	...	...	990	1h
2	983	987	989	989	986	989	988	992	988	996	1001	997	...	...	...	989	2
3	983	990	989	989	987	988	988	991	988	997	996	996	...	...	...	989	3
4	984	991	990	989	987	989	989	990	988	996	997	995	...	...	...	989	4
5	983	992	991	991	986	989	988	989	989	994	996	995	...	...	...	989	5
6	983	993	992	993	989	990	989	989	989	992	994	995	...	...	...	990	6
7	990	997	997	995	991	996	993	996	993	994	995	996	...	...	...	993	7
8	992	993	997	993	990	993	992	996	994	995	996	997	...	...	...	991	8
9	977	991	990	985	984	987	983	978	986	996	997	993	...	...	...	985	9
10	968	987	982	973	977	983	975	970	983	993	995	990	...	...	...	979	10
11	967	980	979	974	972	982	975	973	981	988	992	987	...	...	...	977	11
Noon	969	973	980	976	966	979	973	971	980	986	990	985	...	...	...	975	Noon
13h	977	976	981	977	969	976	975	968	978	983	990	983	...	...	...	976	13h
14	977	980	981	981	975	977	974	969	979	985	989	982	...	...	...	978	14
15	980	985	982	982	980	978	974	976	979	986	993	987	...	...	...	981	15
16	993	992	986	983	983	983	976	982	984	986	998	993	...	...	...	984	16
17	986	992	987	986	986	986	979	985	987	993	1000	994	...	...	...	986	17
18	987	992	988	986	988	987	985	987	987	992	1001	994	...	...	...	987	18
19	993	991	989	986	990	987	986	987	988	991	998	993	...	...	...	987	19
20	991	991	991	988	991	987	987	987	991	992	996	993	...	...	...	988	20
21	991	990	990	990	991	987	987	989	992	997	995	993	...	...	...	988	21
22	990	990	991	990	992	988	988	990	998	1000	995	993	...	...	...	989	22
23	991	990	991	990	993	989	988	991	996	1000	996	993	...	...	...	990	23

TABLE VI.-RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION VACOAS(424.5 metres above mean sea level) during the Month of FEBRUARY, 1943.

Month and day 1943.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	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 recorded by the Caselis Pluviograph	Duration	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.	mins	hrs.	%
1	966.2	24.2	1.4	22.1	88	26.6	85	5.4	8	22.0	23.5	26.4	22.5	27.6	21.8	5.8	3.1	85	9.1	70
2	966.0	24.9	3.4	19.7	73	23.0	90	4.9	6	21.4	24.0	25.7	23.4	26.8	21.0	5.8	1.3	15	11.1	86
3	965.0	24.8	3.3	19.8	74	23.1	100	3.6	8	20.0	24.1	26.2	21.8	26.9	20.0	6.9	3.5	80	9.8	76
4	965.8	25.3	4.1	18.9	68	21.8	90	8.5	5	20.9	24.6	26.0	21.0	26.8	20.7	6.1	...	..	11.4	89
5	966.9	24.3	2.1	21.1	81	24.7	90	5.8	5	20.9	23.8	25.9	21.2	27.0	20.9	6.1	0.7	20	10.7	83
6	966.0	21.6	0.5	20.6	95	24.6	90	6.0	8	21.0	22.8	24.5	22.2	27.4	20.9	6.2	0.1	5	9.8	76
7	962.9	24.2	2.5	20.3	79	23.8	120	8.1	5	20.9	23.4	24.3	22.2	27.0	20.9	6.1	6.1	80	8.1	63
8	962.6	23.7	1.5	21.5	88	25.6	110	8.9	8	21.8	23.0	24.5	22.3	26.2	21.7	4.5	12.8	60	3.4	27
9	962.5	24.9	2.8	20.6	77	24.2	115	8.3	8	21.3	24.3	25.5	22.0	27.0	21.0	6.0	11.0	150	8.1	64
10	957.5	23.5	1.0	22.0	91	26.4	90	9.8	10	22.5	23.2	23.4	22.8	25.0	22.1	2.9	15.3	170	0.4	4
11	962.1	24.6	1.1	23.0	91	28.1	45	6.7	9	22.7	23.6	25.5	22.5	26.9	22.6	4.3	3.3	55	7.6	60
12	965.3	25.3	3.0	20.7	75	24.4	40	6.7	7	21.4	24.6	26.7	22.0	27.1	21.4	5.7	...	..	10.0	79
13	965.5	23.5	1.1	21.6	88	25.5	50	6.3	9	20.9	22.7	23.7	20.9	26.1	20.8	5.3	5.7	90	3.9	31
14	964.7	24.6	3.4	19.4	73	22.5	40	3.6	7	20.6	23.9	25.2	20.4	26.6	20.1	6.5	0.8	25	10.6	84
15	964.9	25.0	3.4	19.8	73	23.1	40	8.1	4	19.7	24.4	25.6	22.0	27.3	19.5	7.8	...	..	10.8	86
16	963.4	22.9	0.7	21.5	94	26.3	45	6.3	10	21.8	22.5	25.3	22.8	26.2	21.5	4.7	19.0	150	2.7	22
17	958.8	24.5	1.3	22.6	89	27.4	330	8.5	10	21.6	24.1	24.9	24.4	27.1	21.0	6.1	6.6	60	1.7	14
18	960.7	26.3	2.2	23.1	83	28.3	25	7.6	8	23.8	25.6	26.0	23.5	27.7	23.1	4.6	33.8	235	6.8	54
19	965.0	24.5	0.8	23.3	93	28.6	45	8.3	8	22.9	23.7	25.3	22.8	26.6	22.9	3.7	6.1	100	4.7	36
20	968.6	24.6	2.1	21.5	83	25.6	60	4.5	8	21.8	24.0	24.8	21.9	27.2	21.7	5.5	19.3	155	7.8	62
21	968.9	22.7	1.1	21.0	90	24.9	80	5.2	9	21.7	22.1	23.4	21.5	25.1	21.5	3.6	13.0	135	5.2	42
22	968.9	25.0	4.3	18.3	66	21.0	80	2.2	3	20.5	24.9	25.2	21.0	26.3	19.8	6.5	...	..	10.1	80
23	968.8	23.0	2.7	18.7	77	21.8	135	6.7	6	20.4	22.4	25.1	20.5	25.8	20.1	5.7	3.0	45	9.4	75
24	968.1	22.4	1.8	19.6	86	23.4	95	7.2	8	20.2	22.0	24.9	20.5	26.2	20.2	6.0	4.1	60	8.6	69
25	966.7	24.2	3.3	19.0	73	22.0	90	6.3	4	19.3	23.6	25.2	20.8	26.1	19.0	7.1	1.5	35	10.4	84
26	966.2	23.2	2.1	20.0	83	23.4	85	3.1	8	20.5	22.7	22.0	21.0	26.8	19.7	7.1	17.6	100	4.0	32
27	965.5	25.1	4.2	18.5	67	21.3	95	0.9	3	19.4	23.6	25.6	20.3	27.4	18.6	8.8	...	...	11.0	88
28	965.5	24.9	3.4	19.7	73	23.0	100	2.7	4	19.6	23.8	25.4	21.3	27.1	19.6	7.5	3.4	15	11.6	93
..	...	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	..	...	..
..	...	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	..	...	..
..	...	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	..
Mean	965.0	24.2	2.3	20.7	80.4	24.4	...	6.2	7.0	21.1	23.6	25.1	21.8	26.7	20.9	5.8	191.1	1925	7.82	61.8
Average	963.7	24.8	2.4	20.8	78.6	24.5	...	3.6	6.9	...	...	...	...	26.8	20.7	6.1	303.4	..	7.04	55.4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+41.0	Amount of Rain	78.6 mms.
Temperature of the Air	+ 3.1°C	Duration of Sunshine	+32.8 hrs.
Vapour Pressure	+ 2.2 mbs.	Mean of Maximum Temperatures	+ 2.1°C.
Relative Humidity	+ 7.1%	Mean of Minimum Temperatures	+ 1.9°C.
Velocity of Wind	- 1.0 m.p.s.	Absolute Maximum Temperature	+ 2.4°C.
Amount of Cloud	0.6	Absolute Minimum Temperature	+ 1.4°C.

Greatest Rainfall Intensity 14.0 mms. in 40 mins.

TABLE VII.-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of FEBRUARY, 1943.

Month and Day 1943	Atmospheric Pressure		Temperature of the Air.					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point		Relative Humidity (Sat. = 100)		Vapour Pressure	Minimum on the Grass	Rainfall		Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
	Mean	Excess above Average	Daily Maximum	Daily Minimum	Daily Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Dines Pluviograph.	Duration		
FEB.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs.	°C	mms.	min.	mms.	
1	1007.0	+ 2.5	29.1	23.0	6.1	26.1	+ 0.2	2.5	22.4	0.0	80	0	27.1	20.4	2.9	50	5.2	5.5
2	1006.3	+ 1.8	29.1	22.5	6.6	25.6	- 0.3	2.9	21.3	- 1.1	77	- 3	25.3	19.9	4.1	85	8.1	3.8
3	1005.4	+ 0.9	28.9	22.5	6.4	25.4	- 0.5	3.0	20.8	- 1.6	76	- 4	24.6	20.2	2.6	110	7.3	3.0
4	1006.6	+ 2.2	28.7	22.6	6.1	25.4	- 0.5	3.8	19.5	- 2.9	70	10	22.7	18.8	0.0	...	8.7	3.0
5	1007.2	+ 2.8	29.1	22.5	6.6	25.5	0.4	3.4	20.4	2.0	73	8	24.0	18.4	0.0	...	7.9	2.7
6	1005.6	+ 1.2	28.7	23.1	5.6	25.0	0.9	2.6	21.1	1.3	79	2	25.0	19.5	2.7	40	7.9	4.6
7	1002.2	- 2.2	30.0	21.3	8.7	25.6	- 0.3	2.4	22.1	0.3	81	0	26.6	18.6	2.1	80	3.5	4.9
8	1002.6	- 1.7	29.1	24.1	5.0	25.9	0.0	2.7	21.9	0.5	79	2	26.3	22.2	0.3	25	6.3	7.5
9	1001.5	- 2.8	30.1	22.9	7.2	26.2	+ 0.3	3.0	21.7	0.8	76	5	26.0	19.4	4.5	110	7.5	6.2
10	997.0	- 7.3	28.2	25.0	3.2	26.3	+ 0.4	1.8	23.7	+ 1.2	86	+ 5	29.3	23.0	18.4	435	7.3	9.8
11	1002.9	- 1.5	28.4	25.2	3.2	26.5	+ 0.6	1.8	23.9	+ 1.4	86	+ 5	29.7	24.0	2.3	85	4.3	8.1
12	1005.8	+ 1.4	29.0	23.6	5.4	26.1	+ 0.3	2.4	22.6	+ 0.2	81	0	27.4	21.6	0.2	10	5.3	3.2
13	1005.6	+ 1.2	28.2	23.2	5.0	24.8	1.0	1.7	22.3	- 0.1	86	+ 5	27.0	21.4	7.0	145	6.1	7.7
14	1004.9	+ 0.5	28.2	22.0	6.2	25.1	0.7	2.7	21.0	- 1.4	78	- 4	24.9	21.1	0.5	20	4.6	6.5
15	1005.1	+ 0.6	28.9	21.2	7.7	25.1	0.7	2.6	21.2	- 1.2	79	- 3	25.2	17.2	0.0	..	7.8	4.3
16	1002.5	- 2.0	29.3	24.1	5.2	26.3	+ 0.5	1.9	23.5	+ 1.1	85	+ 3	29.0	21.3	3.5	105	6.1	8.9
17	998.5	- 6.0	30.0	24.9	5.1	27.0	+ 1.2	1.5	24.9	+ 2.5	88	+ 6	31.5	22.9	1.1	30	4.7	9.2
18	1001.0	- 3.5	29.9	24.5	5.4	26.9	+ 1.1	1.3	25.1	+ 2.7	90	+ 8	31.9	22.9	34.4	350	4.2	9.4
19	1006.0	+ 1.4	28.7	25.1	3.6	26.4	+ 0.6	1.6	24.1	+ 1.7	87	+ 5	30.0	23.5	1.2	45	7.1	7.2
20	1009.6	+ 5.0	28.7	23.7	5.0	25.8	0.0	2.0	22.9	+ 0.5	84	+ 2	27.9	22.1	9.6	165	5.8	5.8
21	1009.8	+ 5.2	27.9	23.5	4.4	25.0	- 0.8	1.9	22.2	- 0.2	84	+ 2	26.8	22.3	6.4	215	5.0	6.5
22	1009.3	+ 4.6	28.3	22.1	6.2	25.0	- 0.7	3.4	19.8	- 2.5	73	- 9	23.1	19.4	0.7	15	5.5	3.8
23	1009.1	+ 4.4	27.9	22.0	5.9	24.1	- 1.6	2.9	19.5	- 2.8	76	- 6	22.7	18.9	1.7	50	5.3	5.0
24	1007.9	+ 3.1	28.2	21.0	7.2	24.1	- 1.6	2.8	19.7	- 2.6	77	- 5	23.0	17.3	5.4	75	7.3	5.8
25	1007.0	+ 2.2	28.1	21.5	6.6	24.7	- 1.0	3.0	20.1	- 2.2	75	- 7	23.5	19.3	0.0	..	5.6	5.5
26	1006.2	+ 1.3	28.7	22.1	6.6	24.6	- 1.1	2.4	21.0	- 1.3	81	- 1	25.0	19.7	0.7	35	6.7	6.5
27	1005.8	+ 0.9	28.9	20.9	8.0	24.3	- 1.4	2.6	20.2	- 2.1	78	- 4	23.7	17.6	0.2	10	4.5	2.9
28	1006.1	+ 1.2	29.0	20.0	9.0	24.4	- 1.2	2.8	20.0	- 2.2	76	6	23.4	16.4	0.0	..	4.7	2.2
..	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...	..	...	...
..	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...	..	...	...
..	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...	..	...	...
Mean	1005.2	+ 0.6	28.8	22.8	6.0	25.5	- 0.3	2.5	21.8	- 0.6	80.0	- 1.4	26.1	20.3	Sum 112.5	Sum 2290	6.1	5.7
Aver.	1004.6	...	29.5	22.8	6.7	25.8	...	2.3	22.4	...	81.4	..	27.0	20.5	197.0	1910	5.5	6.0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF FEBRUARY, 1943.

A cyclone formed on the 6th south-south east of Diego Garcia. It moved between south-west and west-south-west and on the 9th passed about 100 miles north-north-west of Rodrigues. Moving on a west south-west course the centre passed 50 miles north of Mauritius on the 10th. When about the same distance North of Réunion a very unusual change of course to west by north took place. The centre struck Tamatave early on the 12th and on the 13th it reached the Mozambique Channel near Maintirano. It then either recurved sharply and recrossed Madagascar, moving east-south-east or filled up. At any rate, a cyclone, which may well be the original one, passed about 100 miles south-west of Reunion moving rapidly south-east. It was of quite moderate intensity up to the 10th but of great intensity by the time it reached Tamatave on the 12th where pressure fell to 960 millibars and wind velovity was over 160 m.p.h. At the Observatory on the 10th the strongest wind was only 40 m.p.h. and the lowest pressure 7.3 millibars below normal.

~~Mean~~ mean pressure for the month was 0.6 mb. above normal.

Rainfall was only 57% of the average but was well distributed.

Sunshine was 118% of the normal. The other elements were about normal.

TABLE VII(Ctd.).-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY, 1943.

Month and day 1943.	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
FEB.	hrs.	%	m.p.s.	m.p.s.	°C	°C	°C	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
1	9.1	70	4.3	+ 0.9	24.5	26.3	29.4	29.5	Cl : Or_or_o : c : cq : bcq : b
2	11.9	92	3.8	+ 0.4	24.5	26.3	29.3	29.5	b : bcq : c : Cr_or_o : c
3	11.6	90	3.6	+ 0.2	24.6	27.4	29.3	29.5	bc : Cr_or_o : bc : b
4	11.9	92	3.9	+ 0.5	24.6	27.3	29.4	29.5	b_o : b : bc : bcq : bcl : b
5	12.0	93	3.6	+ 0.2	24.6	27.0	29.3	29.4	b : bc : bcq : b
6	9.4	73	3.3	- 0.1	24.6	27.1	29.3	29.5	b : bc : cq : Cr_or_o : c : bc
7	11.1	86	3.9	+ 0.5	24.7	26.7	29.3	29.2	b : bc : bcq : cq : bqr_or_o : Cr_or_o : c
8	7.7	60	3.9	+ 0.5	24.7	26.6	29.2	29.0	cl : b : cq : Cr_or_o : 0 : b
9	10.3	80	4.8	+ 1.4	24.7	26.6	29.2	28.9	b : bc : c : cg : bcq : cg : $0qr_o$: $0qr_or_o$
10	0.0	0	8.7	+ 5.3	24.7	26.6	29.1	28.9	bcq : $0qr_or_o$: cq : $0qr_or_o$
11	8.4	66	6.0	+ 2.6	24.7	26.7	29.0	28.4	$0qr_or_o$: cq : bcq
12	11.7	91	3.5	+ 0.1	24.8	26.7	28.7	28.6	b : bcr_o : be : bq : bcq : bc
13	6.6	52	3.2	- 0.2	24.8	26.5	28.9	29.0	bc : Cr_o : c : Or_or_o : c : Or_o : c : bcr_o
14	11.2	88	3.1	- 0.3	24.8	26.7	28.9	28.7	0 : Or_or_o : c : bcq : c : bc : b
15	12.0	94	2.8	- 0.6	24.8	26.4	28.8	28.8	bc : b : bc
16	5.0	39	3.5	+ 0.1	24.8	26.7	28.8	28.8	c : cr : c : Or_o : 0
17	3.0	24	4.3	+ 0.9	24.8	26.4	28.9	28.6	0 : 0q : c : bc : bcr_o
18	8.1	64	4.0	+ 0.6	24.9	26.8	28.8	28.6	Or : Or_o : 0 : Orr : Or_o : 0 : ORR : Or_o
19	8.2	65	4.3	+ 0.9	24.8	26.9	28.8	28.6	0 : c : cq : cqr : c : bc
20	9.6	76	4.5	+ 1.1	24.8	26.9	28.8	28.6	bc : bcr : b : bc : Or_or_o : 0
21	6.1	48	5.2	+ 1.8	24.9	26.6	28.8	28.7	0 : Grr : bcr_o : c : Orr : c : bcq : bc
22	10.9	87	3.6	+ 0.2	25.0	26.8	28.8	28.4	b : bc : cr_o : bc : b
23	9.6	76	3.5	+ 0.2	25.0	26.8	28.7	28.5	b : c : cr : bcr : bc : bcr : bc
24	8.9	71	3.5	+ 0.2	25.0	26.9	28.8	28.3	bcR : Cr : bc : bcr_o : bc : cr : bc
25	11.3	91	3.6	+ 0.3	25.1	26.9	28.7	28.3	bc : 0 : bc
26	5.5	44	2.2	- 1.1	25.0	26.8	28.6	28.4	bc : bctl : Or_or_o : c : cl : 0gt : c : bc
27	9.1	73	2.0	- 1.3	25.1	26.9	28.7	28.5	b : bc : c : bc : b : be
28	11.4	91	2.6	0.7	25.1	26.8	28.6	28.3	b_o : b : bc : b : bc : b : be
..	...	..	...	...	...	...	...	...	
..	...	..	...	...	...	...	...	...	
..	...	..	...	...	...	...	...	...	
Mean	8.99	70.6	3.90	+ 0.52	24.80	26.75	28.96	28.82	
Aver.	7.60	59.7	3.38	...	25.13	26.87	28.16	28.62	
Col.	19	20	21	22	23	24	25	26	27

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF FEBRUARY, 1943.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1010.6mbs.		often	994.3 mbs.	at 15.00hrs. on	10th.
Temperature of the Air	30.1°C	at 12.20hrs. on	9th.	20.0°C	at 06.20hrs. on	28th.
Daily Range of Temperature of the Air ...	9.0°C	on	26th.	3.2°C	on	10th & 11th.
Temperature of the Dew Point ...	26.4°C	at 11.00hrs. on	17th.	17.6°C	at 01.00hr. on	28th.
Minimum on Grass				16.4°C	on	28th.
Relative Humidity	97.5%	at 00.00hr. on	11th.	58.8%	at 14.00hrs. on	5th.
Vapour Pressure	34.4mbs.	at 11.00hrs. on	17th.	20.1mbs.	at 01.00hr. on	28th.
Evaporation in 24 hours	8.7mms.	on	4th.	4.2mms.	on	18th.
Wind Velocity	10.5m.p.s.	at 13.00hrs. on	10th.	0.6m.p.s.	at 00.00hr. on	28th.
Rainfall in 24 hours	34.6mms.	ending 08.00hrs. on	19th.			
Duration of sunshine	12.0hrs.	on	5th & 15th.	0.0hr.	on	10th.

Mean Day Temperature of Air 27.02°C. Mean Night Temperature of Air 23.92°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 & over mms.	Lightning	Thunderstorm
...	7	13	7	1	6	11	4	1	1	4	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).

FEBRUARY, 1943.

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	071	078	059	063	079	072	046	029	039	995	000	061	065	057	060	052	Midnight
1h	064	072	052	060	072	068	040	028	030	987	995	061	059	049	054	047	1
2	061	071	048	059	070	063	031	018	028	978	995	060	057	042	050	040	2
3	062	066	045	057	066	061	029	010	026	972	997	059	052	040	046	032	3
4	063	061	046	059	066	058	022	013	023	970	006	053	051	041	044	030	4
5	063	063	047	060	069	059	025	020	021	971	012	053	050	043	047	031	5
6	070	064	050	063	074	060	028	023	024	970	020	059	055	050	050	031	6
7	071	068	054	070	079	064	030	031	030	971	025	062	061	055	055	038	7
8	076	071	059	071	083	067	031	037	032	971	027	063	061	058	057	042	8
9	079	072	060	074	084	069	030	040	030	971	030	066	066	060	059	041	9
10	080	071	059	071	081	070	030	039	030	970	030	069	066	060	060	039	10
11	077	069	053	068	080	066	022	036	025	963	031	067	064	056	058	032	11
Noon	072	064	051	062	075	059	020	032	017	960	030	061	061	050	051	027	Noon
13h	066	059	047	059	071	051	011	030	011	951	030	054	053	046	048	020	13h
14	061	051	046	057	066	050	009	022	006	944	029	050	050	040	041	011	14
15	060	048	045	057	062	046	004	017	002	943	028	046	045	036	039	006	15
16	058	043	044	055	060	041	002	012	998	945	030	043	043	032	039	002	16
17	060	044	044	056	061	040	001	014	997	951	031	044	047	036	040	003	17
18	063	050	050	062	062	041	006	017	000	961	039	049	050	041	047	008	18
19	071	058	058	071	071	049	013	023	001	972	046	053	051	047	050	011	19
20	074	060	062	078	074	050	022	025	007	980	051	060	053	052	057	019	20
21	080	061	066	083	075	053	027	032	007	990	058	065	060	060	060	021	21
22	081	063	070	086	078	054	029	039	007	000	061	071	061	064	063	021	22
23	081	061	067	084	079	051	028	041	000	997	063	071	060	063	061	015	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	Hour \ Day
Midnight	006	990	043	093	109	106	101	099	077	071	070	067	...	...	...	059	Midnight
1h	998	988	040	091	106	100	096	093	076	067	061	063	...	...	...	054	1h
2	983	985	039	088	100	095	092	090	071	060	060	058	...	...	...	050	2
3	981	983	040	084	095	092	089	083	069	059	057	051	...	...	...	047	3
4	981	986	039	085	093	092	084	081	069	057	053	050	...	...	...	046	4
5	990	990	040	089	094	093	086	081	070	060	052	050	...	...	...	047	5
6	990	997	047	091	096	098	090	081	070	062	056	052	...	...	...	051	6
7	990	006	051	100	100	099	097	085	071	066	059	058	...	...	...	055	7
8	991	010	058	101	104	100	100	086	075	068	061	061	...	...	...	058	8
9	994	016	063	102	106	101	103	086	078	072	063	065	...	...	...	060	9
10	996	019	063	106	101	101	103	084	079	071	062	065	...	...	...	060	10
11	990	016	063	101	099	100	100	081	076	063	061	064	...	...	...	056	11
Noon	986	014	062	094	098	093	091	078	072	060	057	060	...	...	...	052	Noon
13h	979	011	060	090	091	084	083	072	067	056	053	055	...	...	...	047	13h
14	972	010	055	089	087	079	080	068	061	055	050	050	...	...	...	042	14
15	971	006	053	087	087	076	077	063	060	054	044	050	...	...	...	040	15
16	970	004	051	086	087	075	076	063	058	052	044	050	...	...	...	038	16
17	967	006	057	089	089	079	076	068	059	049	046	053	...	...	...	040	17
18	971	011	061	092	090	081	081	069	061	052	051	060	...	...	...	044	18
19	976	020	072	101	097	089	089	071	067	059	059	068	...	...	...	050	19
20	983	029	081	106	103	095	095	075	071	062	063	072	...	...	...	056	20
21	990	035	090	111	109	100	101	083	076	071	069	076	...	...	...	061	21
22	992	041	092	113	112	107	101	081	076	073	070	079	...	...	...	064	22
23	991	043	095	112	111	103	100	077	074	071	069	078	...	...	...	062	23

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

FEBRUARY, 1943.

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	..	..	..	Mean
Midnight	8	0	0	0	0	1	0	8	3	8	10	0	4	10	1	9	10	6	9	4	9	2	1	6	6	2	3	0	..	..	..	4.4
1h	8	0	0	0	0	1	0	8	4	6	10	0	4	10	1	9	10	9	9	4	9	2	1	7	6	3	3	1	..	..	..	4.4
2	9	0	2	0	0	1	0	8	3	10	10	0	4	10	1	9	10	8	9	3	9	1	1	8	9	4	3	2	..	..	..	4.8
3	10	0	4	1	0	1	0	8	3	10	9	1	4	10	1	9	10	10	9	2	8	1	1	9	9	6	3	2	..	..	..	5.0
4	8	0	6	1	0	1	2	8	4	10	9	2	4	10	1	9	8	10	9	2	8	1	1	9	9	6	3	2	..	..	..	5.1
5	6	1	8	6	0	3	2	9	4	10	9	2	10	10	1	9	9	10	8	2	6	5	9	6	7	8	1	3	..	..	..	5.9
6	6	1	5	6	4	3	4	9	4	10	9	4	9	10	1	8	10	9	8	2	5	8	9	3	6	10	1	3	..	..	..	6.0
7	7	1	5	6	4	3	4	8	5	10	9	4	8	9	2	8	10	9	8	3	6	7	8	3	6	10	1	4	..	..	..	6.0
8	8	3	5	5	5	5	5	8	6	10	8	3	8	7	2	8	9	9	8	5	7	3	8	4	5	9	2	3	..	..	..	6.0
9	9	5	5	4	5	8	5	9	7	10	8	3	8	6	3	8	9	9	9	7	6	1	6	4	3	8	3	2	..	..	..	6.2
10	8	6	5	4	4	8	6	9	6	10	8	3	8	7	4	3	9	9	9	5	8	2	9	6	3	8	4	2	..	..	..	6.4
11	7	6	5	4	4	7	8	8	6	10	8	4	10	7	5	9	10	10	9	5	9	3	7	6	4	8	4	5	..	..	..	6.7
Noon	6	5	5	4	4	7	5	7	5	10	7	4	9	7	5	8	10	9	9	5	10	3	7	5	4	7	5	4	..	..	..	6.3
13h	6	5	2	4	4	6	6	7	6	10	7	4	8	7	5	8	10	9	9	5	10	4	6	4	4	7	6	4	..	..	..	6.2
14	6	5	1	4	5	8	8	7	6	10	7	5	8	6	6	9	10	9	9	5	9	5	5	4	5	8	8	4	..	..	..	6.5
15	5	5	2	4	5	9	7	6	7	10	8	5	8	6	7	9	10	9	6	5	9	6	4	4	6	9	7	4	..	..	..	6.5
16	5	5	2	4	4	8	4	10	7	10	8	5	9	5	6	9	10	9	6	9	7	6	4	5	6	8	6	2	..	..	..	6.4
17	4	5	2	4	3	6	3	10	7	10	9	4	9	5	6	10	10	10	6	9	5	6	3	6	6	8	3	2	..	..	..	6.1
18	3	5	2	4	3	5	5	10	7	10	9	4	10	4	5	10	10	10	6	9	4	8	3	8	6	7	3	2	..	..	..	6.1
19	2	9	1	4	3	6	7	10	9	10	9	3	10	4	6	10	10	10	3	10	4	3	3	8	6	6	2	1	..	..	..	6.0
20	1	6	1	2	2	4	8	6	10	10	9	5	8	3	6	10	10	10	4	9	4	1	4	6	5	5	0	0	..	..	..	5.3
21	1	2	1	0	2	4	8	3	8	10	9	4	8	2	8	9	6	10	4	9	2	1	5	6	4	4	0	0	..	..	..	4.6
22	1	8	1	0	2	4	8	2	10	10	6	4	7	2	8	9	6	10	4	9	2	1	6	6	4	4	0	0	..	..	..	4.8
23	1	7	1	0	2	4	8	4	10	10	5	3	7	2	8	9	6	10	5	9	2	1	6	6	4	4	0	0	..	..	..	4.8

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

FEBRUARY, 1943.

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	..	..	..	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	4	0	9	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	..	..	..	0.5
7	4	60	40	35	45	60	30	0	40	0	0	55	0	40	60	6	1	15	0	16	0	34	15	0	46	0	60	45	..	..	..	12.2
8	30	60	45	60	60	40	60	12	40	0	35	60	18	42	60	0	50	60	20	60	15	60	60	40	60	20	60	60	..	..	..	19.8
9	40	60	60	60	60	50	48	19	60	0	60	60	35	60	60	14	40	50	33	60	25	60	60	60	60	30	60	60	..	..	..	22.4
10	15	60	60	60	60	53	57	40	60	0	60	60	57	50	60	51	15	60	55	45	55	60	30	60	60	60	60	60	..	..	..	23.7
11	15	60	60	60	60	60	60	60	60	0	55	60	40	60	60	50	58	20	45	55	55	60	20	60	60	60	60	60	..	..	..	23.9
Noon	60	60	60	60	60	60	60	58	60	0	59	60	60	60	60	60	18	60	50	60	40	60	45	60	60	60	60	60	..	..	..	25.5
13h	60	60	60	60	60	45	60	25	60	0	60	60	60	60	60	25	1	60	16	60	45	60	60	60	60	60	35	60	..	..	..	23.2
14	60	60	60	60	60	23	50	42	60	0	60	60	60	60	60	40	0	56	40	60	45	60	60	60	60	0	45	60	..	..	..	22.7
15	60	60	60	60	60	15	56	60	60	0	58	60	60	60	60	28	0	50	60	60	10	60	50	60	60	0	60	60	..	..	..	22.4
16	60	60	60	60	60	33	40	60	60	0	50	60	5	60	60	10	0	55	60	60	4	55	45	50	60	0	15	60	..	..	..	20.0
17	60	60	60	60	60	47	56	60	30	0	8	60	0	60	60	5	0	0	50	40	20	40	60	25	50	15	19	60	..	..	..	17.8
18	60	45	60	60	60	60	60	27	25	0	0	48	0	60	60	12	0	0	60	0	50	45	60	0	40	20	3	40	..	..	..	15.9
19	20	0	15	15	15	6	10	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	15	0	0	0	0	0	..	..	..	1.7

The Total Amount of Registered Sunshine was 251.7 Hrs. and the Total Possible Sunshine was 356.3 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).

FEBRUARY, 1943.

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	25.0	0.9	24.1	1.5	23.6	1.5	24.2	2.6	22.8	1.9	23.4	2.1	23.3	1.4	24.8	0.9	Midnight
1h	25.0	1.0	24.0	1.5	23.2	1.2	23.6	2.5	23.0	1.9	23.1	1.9	23.1	1.1	24.7	1.0	1h
2	25.1	1.4	23.1	1.1	23.1	1.2	23.7	2.6	22.9	1.9	23.4	1.7	22.9	1.3	24.1	1.1	2
3	24.0	1.3	23.5	1.1	22.9	1.8	23.4	2.4	22.7	2.0	23.1	1.7	22.1	1.5	24.3	1.4	3
4	23.1	1.2	23.2	1.2	23.1	1.4	23.1	2.2	22.7	1.9	23.7	1.8	21.3	1.3	24.7	1.8	4
5	24.0	1.3	22.9	1.4	23.1	1.2	22.8	2.2	22.6	1.6	23.7	1.8	21.7	1.6	24.3	1.3	5
6	24.0	1.0	22.6	1.5	23.0	1.2	23.1	2.3	22.9	1.7	23.1	1.7	23.1	1.5	24.3	1.3	6
7	24.6	0.8	24.1	1.9	24.1	1.1	24.2	2.8	24.1	1.8	24.1	2.0	24.6	2.0	24.8	1.5	7
8	25.0	0.8	26.3	2.5	25.3	2.1	25.9	3.0	26.2	3.9	26.1	3.3	26.2	2.9	25.1	1.4	8
9	27.2	2.6	27.6	3.9	26.9	3.6	27.3	4.6	27.2	4.0	25.6	2.5	27.4	3.5	25.1	1.2	9
10	27.1	2.8	27.9	4.6	27.8	4.6	27.7	5.4	27.9	4.8	26.2	3.3	28.0	4.1	26.9	2.5	10
11	27.8	2.8	28.3	4.6	28.0	4.6	28.0	5.4	28.2	5.0	26.3	3.5	29.0	4.8	28.1	4.2	11
Noon	28.3	4.0	28.9	5.1	28.1	4.5	26.1	5.4	28.7	5.5	27.9	4.0	29.0	4.4	28.7	4.6	Noon
13h	28.7	4.0	28.9	5.3	28.6	5.7	28.2	5.8	26.5	5.4	27.7	4.5	29.1	4.5	28.0	4.1	13h
14	28.9	4.2	28.7	5.5	28.6	5.6	28.2	5.8	28.9	5.9	27.2	3.6	28.9	4.4	28.8	4.9	14
15	28.6	4.1	28.2	5.0	28.2	5.3	28.1	5.5	28.2	4.6	25.0	1.6	29.1	4.2	28.1	4.8	15
16	28.2	4.3	28.2	4.9	27.9	4.9	27.8	5.6	27.3	3.9	26.1	3.1	27.0	2.3	27.8	4.7	16
17	28.1	4.2	27.5	4.4	27.3	4.7	27.1	4.9	27.2	5.4	26.3	3.6	27.4	2.6	27.1	4.1	17
18	27.3	3.3	27.0	4.1	26.7	4.6	26.8	4.8	26.6	4.4	26.1	3.8	26.8	2.8	26.3	3.7	18
19	26.1	2.9	23.9	1.9	25.3	3.1	25.3	4.1	25.5	3.8	25.2	2.9	26.0	1.9	25.7	3.3	19
20	25.3	2.4	23.2	1.1	24.2	2.3	24.3	3.1	24.8	3.3	24.1	2.1	24.6	1.1	25.0	2.4	20
21	25.3	2.6	23.7	1.5	23.7	2.5	23.8	3.0	24.0	2.3	24.1	2.0	24.8	0.8	24.9	2.4	21
22	24.9	2.3	23.9	1.7	23.3	2.2	22.6	2.5	24.2	2.4	24.1	2.0	24.3	0.8	25.0	2.7	22
23	24.3	1.9	23.7	1.7	23.7	2.2	22.9	2.3	23.7	2.3	23.7	1.9	24.8	1.0	24.2	2.0	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	24.2	2.1	25.3	1.4	25.3	0.3	25.2	1.5	24.1	1.2	23.3	0.7	22.1	1.8	24.2	1.2	Midnight
1h	23.2	1.7	25.7	2.1	25.3	0.6	25.0	1.8	24.0	1.3	22.9	0.9	21.8	1.6	24.1	1.1	1h
2	23.2	1.2	26.1	2.3	25.6	0.8	24.9	1.8	23.9	1.2	23.1	1.0	21.6	1.5	24.3	1.3	2
3	23.0	1.6	26.2	2.3	25.7	1.3	24.5	1.5	23.6	1.4	23.1	1.1	22.0	1.3	24.6	1.5	3
4	23.1	1.9	26.1	2.1	25.6	1.4	24.1	1.1	23.5	1.3	23.2	1.1	21.9	1.4	24.8	1.7	4
5	23.3	1.7	25.7	1.6	25.7	1.2	23.9	1.2	23.9	1.3	23.1	1.0	21.3	1.2	24.4	1.1	5
6	23.6	2.0	26.2	2.1	25.5	1.2	23.9	1.4	23.4	1.1	23.2	1.1	21.3	1.3	24.4	1.1	6
7	25.1	2.8	26.6	2.4	26.0	1.4	25.1	1.8	23.6	1.0	24.2	1.2	23.1	1.7	24.9	1.1	7
8	26.3	3.3	26.9	2.3	26.3	1.3	26.6	2.5	23.9	0.8	24.8	1.9	26.1	2.8	25.8	1.7	8
9	27.2	3.7	27.2	2.3	27.1	1.9	27.2	3.3	24.9	0.9	26.8	3.6	27.1	3.9	27.0	2.1	9
10	28.3	4.1	28.0	2.9	27.9	2.6	27.3	3.2	25.9	1.8	27.2	4.1	27.8	4.0	27.5	2.5	10
11	29.1	4.8	27.1	2.2	27.7	2.5	28.2	3.3	26.0	1.9	27.3	4.0	28.0	4.6	28.1	3.0	11
Noon	29.6	5.5	25.8	1.5	27.8	2.7	28.1	3.8	27.1	2.8	27.9	4.2	28.0	4.0	29.0	3.1	Noon
13h	29.3	5.2	26.1	2.0	28.0	2.6	28.2	3.5	27.6	2.8	28.0	4.2	28.2	4.4	29.3	3.6	13h
14	29.1	4.8	26.9	2.0	28.1	2.4	28.6	3.8	27.1	3.2	27.6	3.8	28.0	4.1	28.1	3.0	14
15	29.9	5.6	27.0	2.1	27.7	2.7	28.2	3.5	27.2	3.2	28.0	4.6	28.1	4.1	28.3	3.1	15
16	28.9	4.9	26.9	2.0	27.8	2.8	28.1	3.1	26.3	3.1	27.6	4.5	27.9	3.8	28.1	3.1	16
17	28.0	4.2	26.1	1.3	27.1	2.2	27.7	3.6	24.8	1.5	26.9	4.0	27.9	3.8	27.1	2.0	17
18	27.4	3.8	26.0	1.1	26.6	1.9	26.9	3.0	24.9	1.8	26.1	3.7	27.1	3.1	27.1	1.9	18
19	26.9	3.4	26.2	1.3	26.2	1.8	26.0	2.7	24.3	1.6	25.1	3.1	25.8	2.7	26.1	1.1	19
20	25.3	1.3	26.3	1.4	26.0	1.9	25.1	1.6	24.1	1.6	24.1	2.4	24.8	1.9	26.0	1.1	20
21	25.1	1.4	25.9	1.0	26.0	1.9	24.9	1.7	24.2	2.0	23.6	2.4	24.3	1.6	26.0	1.1	21
22	25.1	1.3	25.6	0.7	25.4	1.4	24.7	1.5	24.2	1.3	23.1	2.3	24.2	1.5	26.1	1.1	22
23	25.3	1.4	25.4	0.5	25.3	1.6	23.7	1.2	23.3	1.0	22.0	1.8	24.1	1.2	25.1	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).

FEBRUARY, 1943.

Day / Hour	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	25.0	1.0	26.2	0.5	25.1	0.8	25.1	1.1	24.6	1.4	24.1	2.2	22.8	1.8	22.3	2.1	Midnight
1h	25.0	1.1	26.2	0.6	25.8	0.7	25.0	1.3	24.1	1.0	23.9	2.3	22.1	1.4	22.1	1.3	1h
2	25.1	1.1	26.2	0.6	25.7	0.7	24.9	1.0	23.9	0.9	23.6	2.3	22.5	1.5	22.1	1.8	2
3	25.1	1.0	26.2	0.7	25.7	0.7	24.9	1.1	24.0	0.9	23.0	2.0	22.3	1.4	22.6	1.7	3
4	25.0	1.0	26.1	0.8	25.6	0.6	24.1	1.2	24.0	1.3	22.9	2.3	22.1	1.4	22.0	1.9	4
5	25.2	1.1	26.1	0.7	25.6	0.6	24.1	1.0	24.1	1.2	22.3	2.0	22.2	1.3	21.3	1.8	5
6	25.5	0.9	26.1	0.9	25.4	0.5	24.1	0.9	24.1	1.2	22.7	1.7	22.3	1.8	21.1	1.8	6
7	26.0	1.1	26.2	0.5	25.9	0.9	24.6	1.3	24.2	1.2	23.1	1.9	22.6	1.5	22.2	2.1	7
8	27.2	1.2	27.8	1.7	26.1	1.0	26.3	2.1	25.0	1.4	25.9	3.8	23.9	1.9	23.9	2.7	8
9	27.9	1.8	28.2	1.9	26.9	1.7	27.1	2.4	25.0	1.8	26.9	4.8	25.7	3.4	26.3	4.2	9
10	28.1	1.9	29.3	2.4	27.9	2.3	26.1	2.4	26.6	2.5	27.6	5.0	22.7	2.0	27.1	5.0	10
11	28.6	1.6	28.6	2.0	27.6	2.5	27.0	2.5	27.1	3.1	27.6	4.6	25.5	2.6	26.4	4.1	11
Noon	29.0	2.2	28.6	2.3	28.0	2.5	28.1	3.9	24.9	1.0	28.0	5.7	27.0	4.7	27.2	4.9	Noon
13h	28.7	2.0	29.0	2.9	27.9	2.2	28.6	4.4	27.2	3.0	28.0	5.1	27.8	5.8	27.7	5.1	13h
14	28.6	2.3	28.8	2.6	27.1	1.9	28.6	4.4	26.0	1.7	27.9	5.0	27.7	5.7	27.9	5.2	14
15	28.3	2.3	28.7	2.6	28.0	2.9	28.2	4.0	25.9	2.0	27.5	4.5	27.0	5.0	27.7	5.5	15
16	28.7	2.3	28.6	2.6	28.0	2.9	27.9	3.9	26.3	3.2	27.2	4.5	26.9	4.3	26.0	3.8	16
17	28.3	2.1	27.0	1.2	27.1	2.8	25.8	1.6	26.1	3.5	25.6	2.9	26.1	4.2	24.3	2.2	17
18	27.7	1.9	26.5	0.8	26.8	2.7	25.3	1.2	25.7	3.0	25.3	3.8	25.2	4.5	24.1	2.0	18
19	27.0	1.4	25.3	1.0	25.9	1.9	25.1	1.2	24.9	2.9	24.1	3.2	24.1	3.8	23.3	1.7	19
20	27.0	1.4	24.9	0.6	25.7	2.0	25.0	1.6	24.3	2.2	23.1	2.8	23.6	3.5	22.9	1.9	20
21	26.7	1.1	25.3	0.7	25.4	1.7	24.6	1.1	24.1	2.0	22.6	2.4	22.6	2.4	23.1	1.3	21
22	26.5	0.8	25.1	0.7	25.2	1.4	24.2	1.1	24.2	2.1	23.6	2.7	22.2	2.1	22.9	1.8	22
23	26.2	0.9	24.6	0.5	25.2	1.3	24.6	1.0	24.4	2.3	23.3	2.6	22.1	2.0	22.1	2.3	23

Day / Hour	25d.		26d.		27d.		28d.		...		...		...		Mean		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	22.1	1.4	23.3	1.7	22.3	1.2	21.0	1.9	...	...	...	...	...	...	23.9	1.4	Midnight
1h	22.1	1.2	23.2	1.5	21.9	1.3	20.2	1.6	...	...	...	...	...	...	23.7	1.4	1h
2	21.5	1.4	23.1	1.4	21.9	1.5	20.2	1.3	...	...	...	...	...	...	23.6	1.4	2
3	21.6	1.3	23.1	1.5	22.0	1.2	20.2	1.4	...	...	...	...	...	...	23.6	1.5	3
4	22.0	1.6	23.0	1.5	21.6	1.7	20.9	1.5	...	...	...	...	...	...	23.4	1.4	4
5	22.1	1.5	22.6	1.3	21.3	1.5	20.5	1.4	...	...	...	...	...	...	23.3	1.3	5
6	22.1	1.9	23.0	1.3	21.2	1.2	20.1	1.4	...	...	...	...	...	...	23.4	1.4	6
7	23.2	1.9	22.9	1.2	22.9	1.3	21.0	0.9	...	...	...	...	...	...	24.2	1.5	7
8	25.3	3.0	25.1	2.1	24.9	2.6	25.8	2.3	...	...	...	...	...	...	25.7	2.2	8
9	26.2	3.3	24.9	2.2	27.1	4.1	27.0	4.1	...	...	...	...	...	...	26.7	3.0	9
10	27.0	3.9	26.6	3.3	28.0	4.8	27.9	4.7	...	...	...	...	...	...	27.3	3.5	10
11	27.1	4.3	27.9	4.0	28.0	4.6	27.9	4.3	...	...	...	...	...	...	27.7	3.7	11
Noon	27.2	4.3	28.4	4.8	28.3	4.9	28.4	4.9	...	...	...	...	...	...	28.0	4.0	Noon
13h	27.7	4.8	28.2	5.4	27.1	3.2	28.3	5.0	...	...	...	...	...	...	28.2	4.2	13h
14	27.7	4.5	26.6	4.3	27.3	3.4	28.5	4.9	...	...	...	...	...	...	28.0	4.0	14
15	27.2	4.2	25.4	3.5	28.1	4.2	28.0	4.4	...	...	...	...	...	...	27.8	3.9	15
16	27.2	4.2	26.0	3.0	27.1	3.0	27.3	4.0	...	...	...	...	...	...	27.5	3.7	16
17	26.2	4.2	25.9	2.6	26.3	3.8	27.0	4.2	...	...	...	...	...	...	26.8	3.3	17
18	25.6	3.9	26.1	3.0	25.1	3.4	26.1	3.2	...	...	...	...	...	...	26.3	3.1	18
19	24.6	3.1	24.3	1.8	23.5	2.5	24.9	2.7	...	...	...	...	...	...	25.2	2.4	19
20	24.1	2.9	23.9	1.9	23.1	2.1	24.0	2.0	...	...	...	...	...	...	24.6	2.0	20
21	24.1	2.5	23.1	1.9	22.1	2.0	23.3	1.4	...	...	...	...	...	...	24.3	1.8	21
22	24.0	2.7	22.7	1.7	21.6	1.9	23.2	1.5	...	...	...	...	...	...	24.1	1.7	22
23	23.8	2.2	22.3	1.3	21.2	1.9	22.9	1.7	...	...	...	...	...	...	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 FEBRUARY, 1943.

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, 1943.

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.
Mid-night	08	2.2	11	3.6	11	2.4	09	3.1	11	2.0	12	1.9	11	1.4	10	2.8	12	2.0	11	6.2	08	8.5	08	4.1	09	2.[illegible]	03	0.7	08	2.3	07	1.7
1h	10	2.4	11	2.9	11	2.2	10	2.1	11	2.2	12	1.8	11	1.3	10	2.2	13	2.5	11	6.7	08	7.5	08	3.3	08	2.0	03	1.3	08	1.9	06	1.8
2	09	3.2	11	2.8	11	2.0	10	2.1	12	2.0	12	1.8	11	1.4	10	3.4	15	1.8	13	7.7	08	7.4	08	2.7	08	2.5	07	1.8	08	2.1	07	2.0
3	07	5.0	11	2.4	11	2.3	11	2.1	12	2.0	12	1.8	14	1.7	09	3.2	14	2.2	12	7.4	08	7.1	08	3.0	10	2.9	08	2.3	08	2.1	07	1.8
4	08	3.4	11	1.8	07	2.6	11	1.8	11	2.1	12	2.7	14	1.1	09	4.4	14	2.0	12	8.2	08	6.0	09	2.9	11	2.6	08	1.5	08	2.5	07	2.7
5	09	2.9	11	1.7	11	3.2	11	1.9	11	1.5	12	2.5	12	1.5	09	1.8	14	2.7	12	7.9	07	5.7	09	2.4	10	2.8	08	1.7	08	2.1	07	1.9
6	10	3.1	11	2.0	11	2.0	11	2.7	11	1.7	12	1.9	13	3.2	09	2.2	14	3.3	11	9.4	06	5.4	09	2.9	10	2.3	11	1.4	08	2.1	06	2.0
7	10	4.1	11	3.2	09	2.8	11	1.8	11	2.0	12	2.3	12	3.6	09	2.1	13	3.5	11	8.1	07	5.3	09	3.2	10	2.5	11	2.0	08	1.9	06	2.5
8	06	3.5	11	3.3	11	3.8	10	4.7	09	3.4	13	3.8	13	4.1	11	3.1	13	4.0	11	8.2	07	6.5	08	3.7	07	1.7	07	3.4	08	2.3	06	3.9
9	08	5.7	11	5.3	10	4.4	10	5.6	09	4.9	13	6.0	13	5.1	09	6.5	13	4.8	10	8.1	08	6.9	09	4.8	06	4.4	08	4.4	07	3.1	04	4.7
10	09	5.5	10	5.7	10	5.8	11	6.4	10	5.6	12	5.5	12	5.0	10	5.3	12	7.1	11	10.2	07	7.4	06	4.4	06	4.7	06	4.1	05	3.6	05	5.4
11	08	5.8	11	5.7	12	5.7	09	6.4	10	4.7	12	5.2	12	5.2	10	5.9	12	5.0	11	9.8	06	6.7	06	4.8	06	4.4	06	4.4	07	4.3	03	5.4
Noon	10	5.3	11	6.0	08	4.9	09	6.7	09	6.3	12	5.0	13	6.1	10	6.0	13	7.3	10	9.4	06	7.6	06	4.8	06	4.5	06	5.4	06	4.4	04	5.9
13h	09	5.3	12	5.5	10	5.4	09	7.6	09	5.7	12	5.4	14	5.1	10	5.3	14	6.0	10	10.5	07	7.1	06	4.9	07	4.9	08	5.1	06	4.3	04	5.3
14	09	5.5	10	5.6	09	5.8	09	6.0	12	5.3	12	5.0	13	5.9	12	5.1	13	6.0	09	10.3	06	6.1	07	4.6	07	5.0	06	4.6	07	4.5	05	4.1
15	09	5.3	10	5.9	10	5.1	11	5.9	13	4.7	12	4.1	13	5.9	11	5.5	14	7.3	09	10.2	06	6.4	06	4.4	07	4.9	07	4.6	06	4.7	02	6.6
16	09	6.0	12	5.3	10	5.2	10	6.0	08	4.7	13	5.2	12	5.3	11	5.0	13	6.2	08	9.3	06	6.0	07	4.4	07	4.2	06	4.9	05	4.4	03	5.0
17	10	5.6	11	5.4	10	5.5	10	6.8	12	5.6	10	3.9	10	5.5	13	4.8	14	6.3	08	8.7	07	4.9	09	3.9	07	3.7	07	4.8	06	3.3	05	3.9
18	09	4.3	09	4.4	10	3.9	10	4.9	10	4.4	12	3.8	09	5.6	12	4.8	13	5.8	08	9.0	06	5.9	07	3.6	07	2.8	06	3.9	05	3.3	04	3.1
19	09	3.0	09	3.5	10	2.4	10	3.0	11	3.9	12	1.8	10	4.4	12	3.2	15	4.8	07	8.9	06	4.5	08	2.8	07	[illegible]	08	2.6	07	1.8	04	3.0
20	10	2.6	10	1.6	11	2.6	11	1.8	11	2.9	12	1.7	09	4.5	11	2.5	11	4.8	08	9.1	07	4.3	09	2.2	08	2.2	08	2.2	07	1.5	02	2.6
21	10	4.4	12	2.8	11	2.4	11	1.8	11	3.4	13	1.8	09	4.0	12	2.9	13	6.0	07	8.4	07	4.5	09	2.4	08	2.2	08	1.6	07	1.4	01	3.0
22	10	4.1	11	2.0	11	2.3	11	1.9	11	3.1	13	2.4	10	2.8	12	2.7	13	5.5	07	7.3	08	4.5	09	2.7	07	3.2	08	1.8	07	1.1	32	2.2
23	10	3.7	11	2.4	11	2.2	11	1.8	11	2.6	12	1.9	10	2.5	12	3.9	12	6.6	08	7.4	07	3.9	09	2.1	03	1.9	08	2.2	07	1.6	31	3.8

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.	
Mid-night	31	2.2	03	3.9	04	2.3	08	3.3	09	4.9	10	3.4	12	1.8	12	1.9	11	1.8	10	3.1	09	1.5	12	0.6	..	...	..	...	..	...	2.8
1h	32	2.2	03	4.0	07	3.5	08	3.6	09	5.3	09	2.8	11	1.8	11	2.4	12	3.2	11	2.3	11	1.8	12	1.1	..	...	..	...	..	...	2.8
2	01	2.0	03	3.6	06	2.8	08	3.6	08	4.2	10	2.6	11	1.4	11	3.1	11	3.1	11	2.1	11	2.2	12	1.2	..	...	..	...	..	...	2.8
3	02	2.0	04	3.3	06	3.0	06	4.2	10	4.0	10	1.9	11	2.2	12	2.2	11	1.4	11	2.3	11	1.8	12	1.7	..	...	..	...	..	...	2.8
4	02	1.8	04	3.3	07	2.4	08	3.1	09	5.0	10	1.8	11	1.9	12	2.4	08	1.1	11	2.1	11	1.9	12	0.8	..	...	..	...	..	...	2.7
5	02	1.8	04	3.4	07	3.1	09	3.1	10	4.1	10	1.7	11	2.6	12	2.1	13	1.9	11	1.7	11	1.9	12	0.8	..	...	..	...	..	...	2.6
6	03	2.5	04	2.9	07	3.1	09	2.8	09	5.0	10	1.8	11	3.7	12	1.6	11	2.3	12	2.9	11	1.8	12	0.8	..	...	..	...	..	...	2.8
7	03	3.2	04	3.0	06	3.1	09	3.1	10	4.7	10	2.4	11	3.3	11	2.9	11	2.1	12	2.1	12	1.1	12	1.4	..	...	..	...	..	...	3.0
8	02	4.9	03	4.1	06	5.4	08	4.3	09	5.4	10	5.1	12	4.1	12	3.4	10	3.5	12	3.8	12	1.9	11	2.4	..	...	..	...	..	...	4.0
9	03	6.9	04	4.2	06	6.1	09	4.4	10	5.1	10	5.2	11	4.0	10	5.2	10	4.9	10	3.0	10	2.9	12	3.1	..	...	..	...	..	...	5.0
10	02	4.6	04	5.4	06	5.8	10	5.4	09	6.6	09	4.8	10	3.8	11	4.2	11	5.1	09	2.3	10	3.0	08	3.4	..	...	..	...	..	...	5.2
11	02	6.9	04	4.8	05	6.0	11	5.2	09	6.9	10	5.0	09	3.5	12	5.2	11	5.7	08	2.8	10	3.1	09	2.1	..	...	..	...	..	...	5.2
Noon	02	7.2	06	5.2	06	5.6	09	5.9	05	6.5	09	5.1	10	5.4	11	5.2	06	5.4	06	2.5	12	3.9	11	5.1	..	...	..	...	..	...	5.7
13h	02	7.5	07	5.3	06	5.8	09	5.4	11	6.7	09	5.6	11	5.9	11	5.1	09	5.2	08	3.5	21	1.8	09	4.3	..	...	..	...	..	...	5.6
14	32	7.2	06	5.8	06	5.9	10	6.0	08	6.6	09	5.3	12	5.3	10	5.5	09	5.7	08	3.0	21	3.0	11	4.3	..	...	..	...	..	...	5.5
15	01	6.6	05	5.1	07	5.7	10	5.9	09	5.3	10	6.0	12	5.2	11	5.1	09	4.8	11	1.5	22	2.5	10	4.7	..	...	..	...	..	...	5.3
16	32	5.6	06	4.7	06	5.6	09	6.3	09	6.8	10	5.0	11	4.3	09	5.1	10	5.3	21	1.4	23	1.3	09	5.4	..	...	..	...	..	...	5.1
17	01	5.2	05	4.4	06	5.2	08	4.3	10	6.8	11	4.7	12	6.2	12	4.2	12	4.6	11	1.0	15	[illegible]	10	4.8	..	...	..	...	..	...	4.9
18	02	4.4	05	3.9	07	4.5	10	4.9	09	6.7	11	4.4	11	5.1	11	3.6	10	4.4	05	1.1	11	2.7	10	3.2	..	...	..	...	..	...	4.4
19	03	3.8	04	2.8	07	4.0	10	4.3	10	3.1	11	2.6	12	2.9	11	2.5	10	3.2	05	1.6	10	2.1	10	2.7	..	...	..	...	..	...	3.3
20	02	4.0	02	3.1	08	3.5	10	4.7	10	3.6	11	2.4	12	2.2	12	3.5	10	3.4	08	1.8	12	0.7	10	1.9	..	...	..	...	..	...	3.0
21	02	3.5	02	2.7	08	3.3	09	4.5	10	3.9	11	2.0	12	3.1	08	2.7	10	3.6	08	1.5	12	1.2	10	2.4	..	...	..	...	..	...	3.1
22	02	4.1	02	2.9	08	3.9	09	5.2	10	3.0	12	2.8	12	2.8	09	2.1	12	2.6	09	2.3	12	1.2	12	2.5	..	...	..	...	..	...	3.0
23	03	3.2	05	4.0	08	2.9	10	4.5	09	4.1	13	2.2	12	1.8	11	2.7	12	2.0	09	2.0	12	1.2	12	1.8	..	...	..	...	..	...	3.0

TABLE XIII.-WIND FREQUENCY (NUMBER OF OBSERVATIONS), FEBRUARY, 1943.

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	26	-	1	1	1	8	3	12	2	-	-	-	-	-	-	-	-
9	-	6	20	-	-	3	2	8	9	6	-	-	-	-	-	-	-	-	-
15	-	12	16	1	1	1	3	7	5	8	1	-	-	-	1	-	-	-	-
21	-	2	26	1	2	-	-	11	4	10	-	-	-	-	-	-	-	-	-
Totals				2	4	5	6	34	21	36	3	-	-	-	1	-	-	-	-

TABLE XIVa.-RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for FEBRUARY, 1943.

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	..	..	..
1h									0.5		1.2					0.2					0.7			2.6							
2											0.9			0.2							1.3										
3	1.2	0.6												0.1							2.4			0.2							
4	0.3											0.1		0.1				0.1		1.8	0.2										
5			1.5							0.3			0.1			0.5		0.1													
6			0.4							0.2			0.1								0.3					0.4					
7	0.1		0.2								0.2		0.2	0.1		0.5	0.1	0.2	0.2		0.3		1.1			0.3					
8	1.3		0.4										1.6						0.4		0.4										
9			0.1					0.2																							
10								0.1															0.2								
11													0.4				0.3				0.2										
Noon										4.4								1.5			0.3		0.1								
13h										0.4																					
14																			0.6		0.1										
15						1.9															0.2						0.1				
16																											0.1				
17										0.2			1.4			0.5				0.5				1.0							
18		1.4								0.7			0.2					4.5		1.7				0.5							
19		1.0								0.1						0.3		5.5													
20							1.4		0.6									6.8						0.2							
21							0.1		2.5	0.9								0.7		1.5			0.3								
22		0.2					0.1		0.4	6.5			0.2					4.8		3.9				0.1							
23							0.5		0.4	1.4			2.6			1.2		7.5		0.1											
24		0.9				0.8			0.1	3.3		0.1				0.3	0.7	2.7		0.1		0.7		0.8							

TABLE XIVb.-RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for FEBRUARY, 1943.

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	..	..	..
1h	0.5		0.2					1.8	0.4	1.0									1.0	0.2	2.5		0.6								
2		0.8	0.8										2.0	0.1				0.4			2.2					0.1					
3	0.3	0.5	0.5										0.1							0.2	2.0				0.7			3.3			
4	0.3		0.2						0.1	0.6								0.2	0.7		1.7			0.1	0.2						
5	0.6								0.1	0.7	0.2			0.6				0.4			0.2		0.4		0.5						
6			0.5		0.2					0.8	1.9			0.1		0.4		0.4	0.5		0.4				0.1						
7	1.1		0.7					3.6		1.0	0.2										0.4		0.8	0.1		13.4					
8					0.2			6.6	0.1	0.8			1.9			0.8	0.1		1.4		1.5										
9	0.1		0.5				0.6	0.8		2.9			0.4						0.4		0.5										
10			0.1				0.3		0.1	1.5			0.3											0.2				0.1			
11													0.5			0.2	0.2	0.1	1.0	0.5											
Noon					0.3					0.4						1.1	0.2		0.3		0.5		0.3								
13h										1.0						1.4	1.2		0.1		1.0										
14										0.8							4.7		0.2							2.0					
15						0.1							0.2				0.2		0.1		0.1					0.9					
16							1.7									1.2		0.1	0.4	0.5											
17									0.3		0.3					2.1				2.0				0.6							
18																0.4		0.7		2.5											
19.									0.2		0.3					0.3		5.0		2.2						0.8					
20							0.5		1.7		0.1		0.2			0.1		14.0		0.2				0.9							
21							1.1		4.5		0.2							1.5		2.9			0.3	0.6							
22	0.2						0.4		1.3	1.0	0.1					7.4		2.0		1.2											
23									2.2	2.8			0.1			3.6		1.5		3.0						0.4					
24							1.5											7.5		3.9			0.6	1.6							

TABLE XV.-TOTAL HOURLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS according to RIVER SYSTEMS indicated on the CHART for FEBRUARY, 1943.

RIVER SYSTEM	STATIONS	Approximate Altitude in feet.	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Sèche	20	3.98	101.1	5.59	-
	St. Antoine	50	4.46	113.3	6.31	13
	Bel Mont	50	3.03	77.0	6.90	10
	Poudre d'Or	20	3.11	79.0	6.48	10
	Mon Loisir S.E.	300	2.95	74.9	7.77	18
	Forbach	300	5.06	128.5	7.29	15
	Couroupa	-	-	-	6.36	-
	Labourdonnais	290	4.02	102.0	8.42	13
	Mapou Water Works Office			No record.		
	Beau Séjour	300	3.69	93.7	9.24	16
	Mont Piton	650	4.01	101.9	10.41	17
	Mon Choix	700	4.26	108.2	9.71	14
	Antoinette	640	4.45	113.0	9.99	17
	Mon Songe	620	3.78	96.0	9.94	14
	Botanical Gardens	325	4.66	118.4	8.97	23
	The Observatory	179	4.43	112.5	7.51	23
	Solitude	175	4.18	106.2	5.19	13
	St. André-cour	90	-	-	6.29	-
	La Nicolière	-	5.06	128.5	11.87	24
	California	-	4.97	126.2	11.70	19
	Australia	-	4.33	110.0	-	1
2 & 3	Union Regnard Flacq S.E.	600	3.65	92.7	10.21	16
	Constance La Gaité	100	2.78	70.6	8.53	15
	Rich Fund	600	5.59	142.0	9.71	18
	La Joffrette	-	4.60	116.8	-	16
	Belle Vue Allendy	-	2.13	54.1	8.80	16
4	Sans Souci	900	12.09	307.1	16.13	25
	Beau Champ G.R.S.E.	20	3.68	93.5	7.44	21
	Olivia	400	5.48	139.2	10.81	23
	Trois Ilots	-	4.92	125.0	-	20
	Belle Rive	400	8.19	208.0	10.44	24
	Sébastopol	700	-	-	-	-
	Bonne Veine	400	10.36	263.1	15.48	21
5	Rose Belle	850	10.49	266.4	17.65	24
	New Grove	650	10.70	271.8	-	22
	Mon Trésor	-	12.66	321.6	-	19
	Mon Désert Carié	750	2.59	65.8	8.04	17
	Ferney	200	-	-	11.45	-
	Sauve Terre	-	4.11	104.4	-	19
	Tivoli	1300	11.92	302.8	17.69	26
	La Flora	1050	8.32	214.3	16.07	23
	Riche Bois Britannia	650	8.51	216.2	10.72	17
6	Britannia Estate	700	8.21	208.5	13.83	23
	Savannah Mill	200	3.22	81.8	10.32	16
	St. Aubin	300	4.48	113.8	9.35	19
	St. Avold	900	8.91	226.3	15.01	25
	Colmar	400	8.75	222.3	11.08	19
	Union S.E.	-	4.03	102.4	8.54	-
	Fontenelle	320	4.64	117.9	8.61	-
	Choisy	200	4.57	116.1	7.45	11
	Beau Bois	-	7.83	198.9	13.86	22
	Bel Air	-	2.90	73.7	8.70	8
	St. Félix	-	3.85	97.8	-	7
7, 8, 9 & 10	Bel Ombre	40	8.33	211.6	8.49	16
	Beau Champ Baie du Cap	70	7.25	184.2	7.82	15
	Frédérica	-	6.89	175.0	-	14
	Pierre Fonds	-	4.95	125.7	7.96	16
	Ste Marie	-	7.25	184.2	-	15
	Hussonia	-	-	-	-	-
11	Curepipe Gardens	1840	10.30	261.7	17.16	21
	Mare aux Vacoas G.E.	1850	12.33	313.2	18.33	26
	Mare aux Vacoas Arnaud	1830	11.77	299.0	18.39	26
	La Marie Filter Beds	1700	9.98	253.5	14.60	21
	Sophie			No record.		
	Réunion	1420	8.82	224.0	13.60	20
	Aerological Station	1393	7.52	191.1	13.15	23
	Phoenix	-	7.37	187.2	11.45	9
	Quatre bornes	-	4.76	120.9	-	13
12	Quatre Bornes Board	1090	3.64	92.5	-	6
	Le Reduit Dep. of Agric.	1000	6.09	154.8	10.05	22
	Alma	1460	8.83	224.3	18.15	20
	Bagatelle	1250	10.66	270.8	14.10	18
	Highlands	1300	7.24	183.9	12.08	21
	Trianon	950	6.11	155.2	10.77	14
	Val Ory	1100	-	-	10.75	-
	Bassin	-	5.11	129.8	9.20	10
	Hermitage	1450	9.51	241.6	15.57	20
	Ebène	-	6.66	169.2	-	19
	Bégà	-	6.27	159.3	-	19
	Mon Rêve	-	7.79	197.9	-	19
	Mont Pévril	1150	7.07	179.6	-	19
	Minissy	-	9.91	251.7	-	19
	Plaisance	350	-	-	12.10	-
	La Ferme	-	5.59	142.0	-	10
13	Line Barracks	-	4.56	115.9	7.40	17
	Richelieu Tobacco Res. Sta.	-	4.24	107.7	-	14

TABLE XVI.-PILOT BALLOON OBSERVATIONS FOR THE MONTH OF FEBRUARY, 1943

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,500 metres		2,000 metres		2,500 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.
1	9.05	100	10.9	084	6.8	061	12.0	086	13.8	080	12.2	...	...	...	...	...	...	...	...	...	...	...	...
2	7.26	088	8.0	256	0.4	106	8.5	106	15.0	094	12.9	092	14.5	093	20.3	...	...	...	...	...	...	...	...
3	6.50	122	7.1	121	10.3	117	17.8	121	13.1	124	5.7	110	15.8	...	...	...	...	...	...	...	...	...	...
4	9.17	061	7.1	072	7.0	096	11.4	106	16.3	106	11.7	...	...	...	...	...	...	...	...	...	...	...	...
5	9.00	093	11.8	095	6.1	098	12.2	100	10.2	100	13.2	...	...	...	...	...	...	...	...	...	...	...	...
6	8.52	058	3.8	020	1.2	122	2.8	115	7.6	122	9.9	...	...	...	...	...	...	...	...	...	...	...	...
7	9.00	141	11.4	138	6.6	138	5.9	103	1.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	9.04	110	4.4	114	6.2	106	9.9	106	15.8	102	16.8	...	...	...	...	...	...	...	...	...	...	...	...
9	8.50	137	4.4	151	6.7	153	7.2	153	9.4	128	5.3	117	11.9	111	12.6	...	...	...	...	...	...	...	...
10	9.04	116	16.5	125	8.5	110	14.5	106	21.0	099	24.1	...	...	...	...	...	...	...	...	...	...	...	...
11	9.06	074	17.7	069	14.3	067	38.4	065	52.8	059	17.5	...	...	...	...	...	...	...	...	...	...	...	...
12	9.09	075	15.5	070	18.3	082	10.4	079	12.4	080	12.2	077	20.6	...	...	...	...	...	...	...	...	...	...
13	8.50	055	3.9	029	3.3	040	7.5	046	6.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	8.50	047	5.7	054	3.9	059	6.0	057	4.6	063	5.6	...	...	...	...	...	...	...	...	...	...	...	...
15	9.23	055	5.5	053	5.2	066	6.2	067	7.8	079	5.4	...	...	...	...	...	...	...	...	...	...	...	...
16	8.44	052	9.4	054	11.5	048	16.3	045	15.8	036	11.9	...	...	...	...	...	...	...	...	...	...	...	...
17	9.00	026	7.7	033	18.3	025	13.2	010	22.3	005	30.0	...	...	...	...	...	...	...	...	...	...	...	...
18	8.59	032	8.4	034	10.5	033	12.0	034	13.9	033	18.5	...	...	...	...	...	...	...	...	...	...	...	...
19	9.41	060	7.3	065	6.9	057	13.0	058	16.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	14.06	083	7.0	081	5.3	116	3.9	091	9.2	091	12.0	...	...	...	...	...	...	...	...	...	...	...	...
21	9.59	088	9.6	088	8.9	096	3.3	098	2.9	072	3.9	...	...	...	...	...	...	...	...	...	...	...	...
22	9.08	090	2.7	092	2.1	098	13.4	093	17.1	104	18.6	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	14.45	122	6.7	120	4.5	123	8.0	123	6.0	116	4.4	...	...	...	...	...	...	...	...	...	...	...	...
25	9.00	108	5.3	100	4.0	101	4.5	112	9.9	110	11.5	...	...	...	...	...	...	...	...	...	...	...	...
26	9.05	062	4.0	083	5.5	088	5.1	083	10.8	080	12.3	...	...	...	...	...	...	...	...	...	...	...	...
27	9.05	290	3.0	101	0.5	121	2.3	125	2.5	120	2.4	...	...	...	...	...	...	...	...	...	...	...	...
28	9.04	080	6.2	106	3.2	122	1.9	135	1.9	135	1.7	...	...	...	...	...	...	...	...	...	...	...	...
..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20° 5' 39" S - LONGITUDE 3h 50m 12.6s E)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

MARCH, 1943.

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

DIRECTOR

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1950.

TABLE L.-RESULTS OF MAGNETICAL OBSERVATIONS, made during the Month of MARCH, 1943.

Month and day 1943.	Mean Declination (West)	Mean Horizontal Force. (C.G.S.) (Units)	Mean Vertical Force (C.G.S.) (Units)	Daily Range ≠ Declination (Unit 1')	Daily Range ≠ Horizontal Force (Unit 1 γ)	Daily Range ≠ Vertical Force (Unit 1 γ)
Mar.	° '			'		
1	14°27.3	.22424	.29987	9.3	64	35
2	27.0	405	989	10.7	87	26
3	26.6	408	993	7.0	48	23
4	26.9	406	994	7.5	47	27
5	26.8	413	993	4.5	34	17
6	27.1	420	991	7.3	19	23
7	27.5	420	988	9.8	19	32
8	27.1	421	990	8.8	35	25
9	27.3	421	988	8.0	19	23
10	27.8	425	989	7.4	31	25
11	26.7	426	989	9.3	39	19
12	27.6	415	999	9.7	36	31
13	27.6	415	993	9.5	17	26
14	27.3	419	990	6.2	22	16
15	26.7	428	991	9.2	44	25
16	26.8	416	988	9.8	78	30
17	27.1	408	987	7.0	53	32
18	27.6	410	989	7.0	22	32
19	27.6	416	990	7.3	21	30
20	27.6	407	994	9.0	31	26
21	27.3	409	990	7.6	41	36
22	28.1	423	988	10.5	53	44
23	27.7	...	998	6.8	..	21
24	27.5	407	990	9.2	21	35
25	27.6	409	995	7.0	12	16
26	28.4	414	991	4.7	28	20
27	27.2	424	990	7.0	46	21
28	28.0	427	987	6.0	38	28
29	27.2	423	988	7.3	83	24
30	27.9	378	999	8.5	59	19
31	28.2	389	.30002	4.0	47	9
Mean	14°27.39	.22414	.29991	7.84	39.8	25.7

T = .37441: Mean Dip = 53°13.63: (X = .21705; Y = -.05595: Z = 29991)

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

Description of the Principal Magnetic Elements.

Horizontal Force.

1d. to 6d. Moderately disturbed in parts: mainly irregular features; 2d. important increase in daily range - small oscillations superposed on the trace between 7h. & 14h.

5d. Large isolated positive wave (43 γ) between 0h 30m. and 2h.

11d. at end. - beginning of a slightly disturbed period ending during first hours of 13d. Rapid oscillations between 22h. and 24h. on 11d.

16d. Slightly disturbed - notable increase in daily range

17d. Very slightly disturbed.

19d. Very slightly disturbed during second half.

20d. Slightly disturbed. Large single positive wave (40 γ) between 22h and 24h.

22d., 23d. & 24d. Slightly disturbed in parts.

29d. Gradual commencement during second half of a moderate disturbance lasting to the end of the month. Important irregular fluctuations between 29d. 14h. and 30d. 4h. One sharp positive wave (45 γ) between 22h.30m, and 24h. Mainly irregular features follow. Isolated sudden fluctuations 30 γ - 35 γ at times on 31d.

TABLE M.-RESULTS OF ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the Month of MARCH, 1943.

Declination (West)		Horizontal Force		Dip (South)		Resulting Vertical Force
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	
d h m	° '	d h m		d h m	° '	
5.14.56	14.25.03	10.10.45	.22422	5.15.07	53.13.06	.29982
9.14.33	14.22.81	15.10.42	.22452	9.14.42	53.12.62	.29979
16.14.29	14.19.11	20. 9.52	.22421	16.14.43	53.15.75	.29980
24.14.06	14.22.94	23.10.44	.22396	24.14.16	53.13.06	.29976
		26.11.22	.22429			
		30. 9.24	.22401			

TABLE III.-MAGNETIC DECLINATION (WEST) at every Hour of the Day as deduced from the PHOTOGRAPHIC RECORDS.

MARCH, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16.	Hour \ Day
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	27.2	27.0	27.0	28.5	28.0	27.5	27.0	28.0	27.3	27.5	27.7	28.5	27.0	26.0	28.0	27.7	Midnight
1h	27.3	27.3	27.0	29.0	27.0	27.3	27.5	28.0	27.3	28.0	27.7	29.5	28.3	27.7	28.0	28.0	1h
2	27.5	27.3	27.2	29.0	27.5	27.5	28.0	27.8	27.0	27.0	28.0	30.7	27.5	28.0	28.0	28.5	2
3	27.5	27.3	27.0	28.0	28.0	28.0	27.5	28.0	28.0	27.7	27.5	30.3	27.7	28.0	28.0	28.7	3
4	27.5	27.5	26.7	27.5	27.0	27.0	27.5	28.0	28.3	28.0	27.5	30.0	28.0	28.3	28.0	29.5	4
5	27.7	28.0	26.7	26.7	27.0	27.5	28.0	28.3	28.0	28.3	27.7	28.5	28.2	28.3	28.0	29.5	5
6	28.0	28.3	27.0	27.7	27.0	28.5	28.7	28.7	27.2	28.0	27.0	29.0	28.0	28.5	28.5	28.5	6
7	30.0	30.0	28.5	29.0	27.5	30.3	31.0	29.5	29.5	30.5	28.0	29.0	28.7	28.0	29.0	29.3	7
8	31.5	31.5	30.0	30.0	27.5	31.3	32.3	30.0	30.7	31.7	30.3	30.7	30.5	29.5	30.5	29.3	8
9	32.3	32.0	30.0	29.5	27.3	30.7	32.5	30.5	30.5	31.5	30.0	32.0	32.0	29.7	30.7	29.0	9
10	31.5	29.5	27.0	28.0	27.3	28.3	31.3	29.5	29.7	30.5	29.0	32.3	32.5	29.5	27.0	27.0	10
11	29.5	27.0	26.5	26.5	25.5	26.0	28.0	27.5	27.5	29.7	27.5	30.0	31.0	28.3	25.0	25.0	11
Noon	27.5	26.3	25.7	24.5	24.0	24.0	25.3	25.5	25.0	28.0	24.5	26.0	28.0	26.5	23.5	22.5	Noon
13h	25.0	24.3	25.0	22.5	24.0	23.0	23.5	23.0	23.5	26.0	21.5	21.5	25.5	23.7	22.0	20.7	13h
14	23.0	21.3	24.0	23.0	24.5	23.0	22.7	21.7	22.7	25.0	20.3	21.0	23.5	23.5	21.5	19.7	14
15	22.7	23.0	23.5	22.5	25.0	24.0	23.3	21.7	23.5	23.5	21.0	21.5	23.0	24.3	23.0	22.0	15
16	23.0	24.3	23.0	24.3	26.0	26.0	24.7	23.3	25.3	24.3	23.0	23.0	23.7	25.0	24.0	27.0	16
17	24.5	25.0	24.0	26.3	26.7	27.0	27.0	26.0	27.0	26.0	26.0	25.0	25.3	26.5	25.5	26.5	17
18	26.0	26.0	25.5	26.5	27.3	27.3	27.5	27.3	28.0	26.7	27.0	26.7	26.7	27.0	26.3	26.7	18
19	27.0	26.7	26.7	27.0	27.5	27.5	27.5	28.0	28.3	27.8	27.3	26.5	27.3	27.3	27.0	27.0	19
20	27.0	27.3	26.7	27.0	27.3	27.0	27.3	27.5	29.5	28.0	27.5	28.7	27.5	27.5	27.0	27.3	20
21	27.7	27.5	27.5	28.0	28.5	27.3	27.5	27.5	28.0	27.5	28.0	27.5	27.5	27.5	27.0	28.0	21
22	27.3	27.3	27.3	27.7	27.7	27.3	27.3	28.0	27.7	27.5	28.0	28.0	27.5	27.7	27.0	28.0	22
23	27.0	27.0	27.5	28.0	27.5	27.0	26.7	27.3	27.5	27.7	29.0	28.0	27.7	27.7	27.5	28.5	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	29.3	27.7	27.5	27.5	27.7	27.5	27.7	27.5	27.5	27.5	27.7	28.0	27.7	34.7	31.0	28.0	Midnight
1h	28.5	28.0	27.7	26.0	27.7	27.5	29.7	27.7	27.5	27.7	28.0	26.0	28.0	32.5	29.0	28.0	1h
2	29.0	28.0	28.0	28.0	27.7	27.7	28.0	27.7	27.7	28.0	28.3	27.7	29.0	31.0	28.5	28.1	2
3	29.3	28.0	28.0	28.7	28.0	28.0	29.0	28.0	28.0	28.3	28.3	28.0	29.2	29.5	30.0	28.2	3
4	27.0	28.0	29.0	29.3	28.5	29.0	29.0	28.0	28.3	28.3	28.0	28.3	29.0	26.5	28.0	28.1	4
5	28.5	28.3	29.3	29.7	29.0	29.7	29.5	28.7	29.0	28.5	28.3	28.5	29.3	25.7	27.7	28.3	5
6	29.0	28.7	29.5	30.0	29.7	30.0	29.0	29.0	29.0	29.0	28.5	28.7	27.5	24.0	27.0	28.3	6
7	29.5	30.0	30.5	30.0	30.5	32.0	29.0	30.3	29.0	29.7	29.0	29.5	27.5	25.0	26.7	29.2	7
8	28.0	31.0	31.0	31.0	31.3	33.5	30.3	31.3	30.0	30.7	29.7	30.5	28.0	26.0	27.0	30.2	8
9	28.0	30.7	30.7	30.0	29.0	33.0	30.0	31.5	30.0	31.0	29.3	30.7	28.7	27.5	27.5	30.3	9
10	27.5	29.7	29.7	29.0	27.5	32.5	29.0	30.0	29.3	31.0	28.7	30.5	27.5	28.5	29.0	29.3	10
11	27.5	28.0	28.0	26.5	26.0	29.0	27.0	29.0	27.0	29.0	27.0	30.0	26.0	27.0	28.3	27.6	11
Noon	23.7	26.0	25.3	23.0	24.3	26.0	24.3	27.0	26.0	26.5	24.3	28.5	24.0	27.0	27.0	25.5	Noon
13h	23.0	24.0	24.0	22.5	23.7	23.5	23.5	23.5	23.7	27.5	23.0	27.0	23.0	25.7	27.0	23.8	13h
14	22.5	24.7	23.7	22.0	24.0	23.0	23.7	22.3	23.0	26.3	22.7	25.7	23.0	25.7	27.5	23.2	14
15	23.0	25.5	25.0	26.0	25.0	25.0	25.0	22.7	25.0	27.0	23.5	25.0	22.5	26.5	27.7	23.9	15
16	25.0	26.7	26.0	27.7	25.7	26.5	26.0	24.0	26.5	27.7	25.0	24.7	24.0	27.3	28.0	25.2	16
17	27.0	27.0	27.3	28.0	26.5	27.3	26.7	25.5	27.7	28.0	26.3	25.5	25.5	28.0	28.0	26.4	17
18	27.3	27.0	27.0	27.0	26.7	27.0	27.7	27.0	28.0	28.7	27.0	27.0	27.3	28.7	28.3	27.1	18
19	27.3	27.0	27.0	28.0	27.3	27.0	28.0	27.5	28.0	27.7	27.5	27.7	29.0	30.0	28.7	27.6	19
20	27.5	27.3	27.0	27.5	27.0	27.0	28.3	28.0	28.0	28.0	27.7	28.0	29.3	29.0	29.0	27.7	20
21	27.5	27.5	27.3	27.3	27.0	27.3	28.3	27.7	28.0	28.0	28.0	28.0	29.0	29.0	29.3	27.8	21
22	27.7	27.3	27.0	29.0	27.0	27.0	28.0	27.7	28.0	28.0	28.5	28.3	28.7	28.7	29.0	27.8	22
23	27.7	27.3	27.3	27.7	27.3	27.3	28.0	27.7	28.3	28.3	28.3	28.0	28.0	29.0	29.5	27.8	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).

MARCH, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	.22000 + (C.G.S. Unit)																
Midnight	421	410	399	394	402	409	429	416	419	418	410	411	407	418	419	424	Midnight
1h	422	417	403	394	435	419	421	419	420	412	412	405	403	420	421	424	1h
2	422	418	408	403	420	421	419	416	430	423	415	420	420	419	420	427	2
3	424	422	419	410	413	419	422	420	420	428	427	416	414	422	422	427	3
4	424	428	414	417	423	421	423	421	420	430	423	419	417	423	422	428	4
5	424	433	414	419	419	425	426	423	422	430	420	426	414	422	422	427	5
6	428	434	416	420	420	424	426	424	426	433	424	418	417	421	422	432	6
7	428	430	410	413	414	423	422	421	425	430	426	416	420	419	426	436	7
8	423	430	400	419	424	423	417	422	423	421	422	421	417	410	423	438	8
9	421	437	405	422	421	421	412	424	425	415	427	415	412	414	429	438	9
10	440	451	409	420	413	422	410	430	423	417	438	420	410	416	442	439	10
11	450	439	430	419	407	423	413	439	419	429	449	427	414	425	459	450	11
Noon	449	417	439	413	406	428	419	440	424	433	448	433	417	432	463	456	Noon
13h	454	393	427	397	412	425	420	434	423	439	439	429	413	418	456	448	13h
14	451	380	409	409	413	421	424	430	423	441	434	427	412	420	440	406	14
15	445	370	394	388	427	419	427	427	421	441	424	419	411	421	428	380	15
16	439	367	399	375	410	416	425	420	420	436	416	410	411	421	425	392	16
17	426	365	391	393	403	418	424	416	420	429	413	397	412	418	421	382	17
18	417	364	399	408	403	421	422	413	424	428	418	411	412	416	419	380	18
19	397	378	402	409	407	419	419	414	421	424	424	403	419	411	420	387	19
20	394	385	402	400	401	417	418	409	418	421	430	405	419	410	420	382	20
21	390	385	407	393	409	412	417	405	411	414	433	402	419	417	420	390	21
22	395	387	405	399	401	412	414	410	413	412	438	399	419	420	420	396	22
23	405	396	397	404	414	414	418	414	418	410	414	402	420	419	422	397	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
	.22000 + (C.G.S. Unit)																
Midnight	392	401	409	413	388	406	432	412	401	410	410	411	421	388	373	408	Midnight
1h	402	403	411	410	398	414	415	411	406	411	412	411	419	356	391	410	1h
2	398	409	412	421	401	419	417	407	408	412	413	416	421	369	388	413	2
3	401	410	416	416	406	423	411	406	410	411	418	418	427	370	377	414	3
4	419	412	412	418	409	428	420	409	410	415	424	419	426	378	361	417	4
5	400	410	418	418	411	437	410	408	411	418	427	419	420	373	380	417	5
6	408	410	418	413	410	441	409	410	413	420	425	420	423	370	367	418	6
7	412	412	419	419	407	437	402	404	412	418	429	422	430	380	394	419	7
8	412	412	412	420	406	429	410	402	410	419	431	425	431	393	389	417	8
9	419	407	409	411	415	424	396	402	403	425	431	430	439	406	400	419	9
10	420	412	408	405	417	427	392	409	407	429	437	433	440	401	410	422	10
11	430	423	415	407	428	437	391	412	409	428	443	443	448	409	412	428	11
Noon	435	418	419	413	429	439	394	417	410	428	450	449	451	406	418	430	Noon
13h	437	413	429	396	429	442	398	419	411	421	449	449	453	400	411	426	13h
14	428	418	429	405	419	436	406	413	412	413	443	447	449	386	401	421	14
15	409	411	420	411	406	421	408	411	412	402	432	447	439	330	398	413	15
16	384	405	420	413	400	423	...	398	411	401	426	437	426	358	387	409	16
17	390	405	420	406	403	418	...	399	410	409	421	426	409	362	380	406	17
18	395	407	419	395	406	420	...	402	409	411	418	418	411	351	380	407	18
19	399	411	418	391	409	406	399	407	409	414	410	420	399	365	378	406	19
20	398	409	415	401	405	389	398	402	408	408	404	420	370	368	360	403	20
21	400	409	411	392	400	405	398	407	408	406	404	419	392	379	395	405	21
22	400	410	410	390	401	406	392	402	408	404	410	418	408	375	371	405	22
23	403	401	413	407	401	405	397	403	410	406	410	418	412	378	371	407	23

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

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

MARCH, 1943.

Day / Hour	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	.29000 + (C.G.S. Unit)																
Midnight	993	993	995	997	997	994	992	994	995	993	995	995	997	996	993	997	Midnight
1h	993	993	995	997	993	994	992	993	993	994	994	997	998	995	993	996	1h
2	993	993	994	997	994	993	992	992	992	992	993	999	996	994	993	998	2
3	993	993	994	996	996	993	991	991	992	992	993	996	996	994	993	997	3
4	993	992	994	995	995	993	991	991	992	991	992	994	996	993	992	995	4
5	993	992	995	995	996	993	992	992	992	991	993	992	995	992	992	997	5
6	993	992	996	997	997	996	994	993	994	991	993	992	994	992	992	998	6
7	996	996	1002	1003	1000	1001	1000	997	996	996	992	995	996	993	993	996	7
8	1000	996	1004	1004	1000	1002	1000	999	995	998	996	1000	1001	997	996	994	8
9	1001	988	997	993	996	994	996	996	992	996	993	1006	1003	994	988	993	9
10	994	975	992	983	993	985	991	993	987	994	986	1002	1002	993	982	975	10
11	982	970	986	981	990	982	980	986	983	992	982	992	993	987	978	972	11
Noon	976	975	983	977	986	979	973	976	977	983	977	978	982	983	976	968	Noon
13h	967	976	981	982	985	979	968	974	974	973	977	975	977	982	974	968	13h
14	986	979	982	983	983	981	969	974	973	973	977	977	977	981	976	972	14
15	968	984	966	990	983	987	974	980	977	976	982	983	980	981	988	980	15
16	972	989	990	997	989	993	982	985	983	978	987	990	987	983	998	987	16
17	978	992	995	1001	994	994	989	990	986	984	993	996	992	989	998	992	17
18	985	996	997	997	995	993	991	992	987	987	993	997	993	990	999	992	18
19	989	996	997	997	995	993	991	993	986	988	992	993	993	991	997	992	19
20	992	996	997	998	996	993	992	993	990	969	991	999	993	992	997	991	20
21	993	996	996	999	997	995	993	996	993	992	992	997	994	992	999	991	21
22	993	996	995	997	996	994	994	995	993	993	991	999	994	993	998	992	22
23	993	995	996	997	996	993	993	995	993	994	993	997	994	993	997	992	23

Day / Hour	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day / Hour
	.29000 + (C.G.S. Units)																
Midnight	993	993	993	993	998	997	997	999	997	997	996	995	992	1006	1004	996	Midnight
1h	993	993	993	993	997	975	997	997	997	997	996	994	993	1003	1001	995	1h
2	993	993	993	993	997	994	996	997	996	996	995	994	993	1003	1002	995	2
3	993	993	993	994	997	994	995	996	995	995	993	993	991	1002	1003	994	3
4	993	993	994	995	997	994	994	995	995	994	992	993	990	997	1004	994	4
5	993	995	995	995	997	994	996	996	995	994	991	993	990	999	1003	994	5
6	992	996	996	996	998	994	996	997	995	994	991	993	989	998	1002	995	6
7	991	998	1000	997	1002	999	1000	999	996	995	993	993	987	998	1000	997	7
8	992	999	1003	998	998	1002	1003	1001	1000	996	993	993	989	996	1000	998	8
9	986	996	1003	997	987	993	1006	997	1003	996	993	993	988	1000	1005	996	9
10	986	992	998	995	980	982	1007	987	1003	995	991	991	987	1000	1006	991	10
11	978	982	990	987	972	966	1000	977	996	990	987	984	980	997	1003	985	11
Noon	967	974	980	977	966	958	991	968	993	983	980	978	978	993	999	979	Noon
13h	964	967	974	978	969	960	986	966	988	980	975	971	975	988	997	975	13h
14	966	970	973	983	976	963	987	969	987	977	976	967	973	987	998	977	14
15	973	974	977	993	983	973	993	977	988	980	980	971	976	995	999	982	15
16	987	982	983	997	990	976	998	985	993	983	985	976	984	1003	999	988	16
17	993	986	986	998	992	984	1004	993	995	983	989	983	990	1003	1000	992	17
18	994	987	986	997	992	985	1000	993	995	987	990	987	993	1003	1000	993	18
19	993	990	988	999	993	987	998	993	995	989	990	969	994	1006	1001	993	19
20	994	992	990	997	996	992	1000	995	996	991	992	989	996	1003	1004	994	20
21	995	993	993	997	997	995	1002	997	997	993	993	991	997	1003	1002	995	21
22	996	993	993	1003	997	996	1002	998	997	995	994	992	995	1001	1002	996	22
23	994	994	993	994	997	997	1002	998	997	996	994	992	990	1002	1003	995	23

TABLE VI.-RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION VACOAS(424.5 metres above mean sea level) during the Month of MARCH, 1943.

Month and day 1943.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	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 recorded by the Gaselle Pluviograph	Duration	Duration of Bright Sunshine	Percentage of Possible Sunshine.
MARCH	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins	hrs.	%
1	966.6	25.1	3.6	19.6	72	22.8	90	1.8	4	20.5	24.6	26.5	21.7	27.8	20.2	7.6	...	...	9.5	76
2	966.8	25.1	2.0	22.1	84	26.6	80	5.4	8	21.3	24.5	25.6	22.8	27.3	21.0	6.3	1.6	40	7.6	62
3	966.4	23.7	1.8	21.0	85	24.9	65	3.6	10	22.0	23.2	25.9	22.5	27.0	21.5	5.5	0.1	10	2.7	22
4	967.0	24.5	2.6	20.4	78	24.0	85	5.6	9	21.7	23.7	25.2	...	26.6	21.4	5.2	2.0	10	5.9	48
5	966.9	22.5	1.0	21.0	91	24.9	90	3.1	9	...	...	26.6	21.2	26.8	20.8	6.0	2.6	25	8.9	72
6	964.7	25.2	3.5	19.8	72	23.1	45	0.9	5	20.4	24.6	24.2	21.6	28.1	19.8	8.3	...	...	5.4	44
7	963.5	24.3	2.6	20.3	76	23.8		Calm	6	19.0	23.8	26.0	21.6	27.4	18.0	9.4	...	...	7.1	58
8	963.4	24.9	3.0	20.3	76	23.8		Calm	9	21.2	24.4	21.9	21.4	27.0	20.4	6.6	9.2	50	0.5	5
9	962.0	26.0	3.3	21.1	74	25.0	85	2.0	8	20.2	25.3	25.0	22.4	27.0	18.5	8.5	1.5	25	3.6	30
10	963.5	25.3	2.4	21.7	81	26.0		Calm	9	20.5	24.5	23.7	21.5	27.3	20.1	7.2	13.5	115	0.5	5
11	966.9	25.2	2.5	21.4	80	25.5	40	1.3	8	21.4	24.8	25.8	22.5	28.6	21.1	7.5	38.5	95	5.1	42
12	967.8	26.3	3.2	21.4	75	25.5	55	1.5	7	21.6	25.8	27.0	23.6	29.0	20.8	8.2	...	...	8.1	66
13	968.5	25.6	3.2	20.8	75	24.6	75	2.4	6	22.5	24.9	26.8	21.2	27.8	21.9	5.9	0.5	10	10.0	90
14	968.4	22.9	0.2	20.6	96	27.4	80	2.2	9	20.0	22.3	25.2	22.3	26.3	19.8	6.5	3.7	45	2.1	18
15	966.4	22.9	0.7	20.9	89	24.7	100	2.7	9	20.6	23.4	24.9	22.6	26.5	20.3	6.2	2.1	30	2.8	23
16	965.7	25.2	2.5	21.4	80	25.5	50	3.6	8	21.7	24.6	26.0	22.7	27.8	21.1	6.7	0.1	5	8.8	73
17	966.6	23.7	1.4	21.6	88	25.8	60	1.3	9	21.8	23.8	24.8	22.5	27.0	21.4	5.6	16.3	110	1.4	12
18	966.3	24.4	1.2	22.6	90	27.4	45	4.9	9	21.7	23.9	24.0	22.6	26.3	21.1	5.2	19.8	165	3.7	31
19	966.5	22.7	1.3	20.7	89	24.4	70	5.8	8	21.6	22.0	26.0	21.6	26.9	20.9	6.0	2.4	30	8.3	69
20	965.6	24.1	2.8	19.7	77	23.0	90	4.5	6	20.8	23.7	25.0	21.8	26.8	20.1	6.7	1.4	20	9.1	76
21	966.2	24.0	3.8	18.0	69	20.6	75	5.6	2	20.6	23.8	24.8	21.9	26.0	20.0	6.0	1.0	20	10.3	85
22	967.1	24.2	2.3	20.6	80	24.2	135	3.8	8	21.8	23.4	24.6	21.7	25.8	20.0	5.8	0.6	15	9.4	78
23	966.0	22.6	2.2	19.2	81	22.2	130	6.3	6	21.5	22.5	22.9	22.6	25.8	21.0	4.8	4.4	55	7.7	64
24	965.6	22.0	2.4	18.2	79	20.9	120	5.6	7	19.8	21.8	24.0	20.7	25.0	19.0	6.0	5.9	70	8.0	67
25	964.1	22.9	1.2	21.1	90	25.0	115	9.8	8	20.8	22.6	23.5	21.8	25.3	20.0	5.3	3.8	65	8.2	69
26	961.1	22.3	1.3	20.3	88	23.8	140	11.0	10	21.1	21.8	22.6	22.3	23.5	20.7	2.8	47.7	360	2.0	17
27	955.5	21.4	0.5	20.6	95	24.2	170	12.7	10	22.3	20.9	20.9	20.6	23.3	19.9	3.4	67.0	665	0.0	0
28	959.9	23.1	1.4	21.0	88	24.9	250	5.6	8	20.8	22.5	25.0	21.1	26.0	20.1	5.9	8.3	55	6.5	55
29	962.5	24.1	3.0	19.4	75	22.5	185	3.1	3	20.6	23.7	27.0	20.0	28.3	18.5	9.8	...	...	10.8	91
30	965.0	25.0	2.6	21.1	79	25.0		Calm	4	18.3	24.3	26.5	21.0	27.9	17.5	10.4	...	...	10.3	87
31	966.0	25.2	3.3	20.2	74	23.7		Calm	0	19.9	24.8	25.7	21.6	28.7	19.9	8.8	1.5	20	7.7	65
Mean	965.1	24.1	2.3	20.0	84.9	24.4	...	3.7	7.2	20.9	23.7	25.0	21.8	26.8	20.2	6.6	255.5	2110	6.19	51.6
Average	964.6	24.5	2.3	20.6	79.9	24.6	...	3.5	6.7	...	...	...	...	26.6	20.2	6.4	309.6	...	6.95	57.3
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+41.1 mbs.
Temperature of the Air	+ 3.0°C
Vapour Pressure	+ 2.2 mbs.
Relative Humidity	-10.8%
Velocity of Wind	+ 0.5 m.p.s.
Amount of Cloud	- 0.6
Greatest Rainfall Intensity	5.7 mms. in 10 mins.
Amount of Rain	-152.9 mms.
Duration of Sunshine	+ 56.6 hrs.
Mean of Maximum Temperatures	+ 2.0°C.
Mean of Minimum Temperatures	+ 2.0°C.
Absolute Maximum Temperature	+ 1.8°C.
Absolute Minimum Temperature	+ 1.6°C.

TABLE VII.-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of MARCH, 1943.

Month & Day 1943	Atmospheric Pressure.		Temperature of the Air					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point		Relative Humidity (Sat. = 100)		Vapour Pressure	Minimum on the Grass	Rainfall		Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
	Mean	Excess above Average	Daily Maximum	Daily Minimum	Daily Range	Mean	Excess above Average		Mean	Excess Above Average	Mean	Excess Above Average			Amount recorded by the Dines Pluviograph	Duration		
MARCH	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs.	°C	mms.	min.	mms.	
1	1007.1	+ 2.2	29.1	21.1	8.0	25.1	0.5	3.0	20.5	1.7	76	6	24.1	16.9	0.0	...	6.7	2.7
2	1007.1	+ 2.1	29.1	22.6	6.5	25.6	0.0	1.8	23.0	+ 0.8	86	+ 4	28.1	18.9	3.1	70	2.8	5.4
3	1006.8	+ 1.8	27.8	23.7	4.1	25.1	0.5	1.6	22.8	+ 0.6	87	+ 5	27.8	21.2	2.8	40	4.0	6.8
4	1007.2	+ 2.2	28.7	23.1	5.6	25.3	- 0.2	2.4	21.7	0.5	81	- 1	26.0	21.9	0.6	25	4.2	6.9
5	1006.9	+ 1.8	28.7	22.3	6.4	25.0	- 0.5	2.8	20.7	- 1.5	77	- 5	24.4	19.9	0.0	...	5.9	4.3
6	1004.3	- 0.8	30.8	20.5	10.3	25.3	- 0.2	2.9	20.9	- 1.3	76	- 6	24.7	17.1	0.0	...	7.1	2.5
7	1003.5	- 1.7	30.3	20.9	9.4	25.3	- 0.2	2.5	21.5	- 0.7	79	- 3	25.6	17.6	0.0	...	6.2	4.2
8	1003.1	- 2.1	29.0	22.6	6.4	25.2	- 0.3	2.2	22.0	- 0.2	82	0	26.4	20.1	0.0	...	5.7	7.9
9	1002.2	- 3.1	29.1	21.1	8.0	24.8	- 0.6	1.9	22.0	- 0.1	84	+ 2	26.4	18.0	3.4	135	4.2	7.0
10	1004.4	- 0.9	29.3	22.4	6.9	25.0	- 0.4	1.6	22.7	+ 0.6	87	+ 5	27.6	19.9	8.8	140	3.5	8.0
11	1007.5	+ 2.2	30.2	23.1	7.1	26.2	+ 0.8	1.9	23.4	+ 1.3	85	+ 3	28.8	21.1	0.0	...	5.0	6.3
12	1008.8	+ 3.4	29.9	22.1	7.8	26.1	+ 0.7	2.3	22.7	+ 0.6	82	0	27.6	18.8	0.2	5	5.1	3.5
13	1009.1	+ 3.7	29.1	22.6	6.5	25.7	+ 0.4	2.4	22.2	+ 0.2	81	- 1	26.8	21.6	7.2	80	7.9	5.0
14	1007.9	+ 2.4	28.5	21.0	7.5	24.1	- 1.2	1.8	21.4	- 0.6	85	+ 3	25.5	17.8	2.3	70	4.7	6.7
15	1006.4	+ 0.9	28.0	21.1	6.9	24.5	- 0.8	1.7	22.0	- 0.1	86	+ 4	26.4	18.2	0.8	15	3.6	4.3
16	1006.2	+ 0.6	29.2	22.6	6.6	25.6	+ 0.4	2.3	22.2	+ 0.1	82	0	26.8	20.7	3.3	60	5.5	4.7
17	1007.0	+ 1.3	29.5	23.3	6.2	25.3	+ 0.1	1.5	23.1	+ 1.0	88	+ 6	28.3	21.1	12.2	105	4.3	8.4
18	1006.6	+ 0.8	28.1	23.9	4.2	25.1	- 0.1	1.4	23.1	+ 1.0	89	+ 6	28.3	21.4	18.1	170	5.7	8.4
19	1006.3	+ 0.5	28.3	22.5	5.8	25.1	0.0	2.2	21.9	- 0.1	83	0	26.3	18.7	2.6	65	2.0	4.9
20	1005.7	- 0.2	28.6	22.2	6.4	25.1	0.0	2.7	21.0	- 1.0	78	- 5	24.9	18.4	2.4	45	6.6	3.7
21	1006.9	+ 1.0	28.3	22.4	5.9	24.9	- 0.2	2.7	20.8	- 1.2	78	- 5	24.6	18.6	1.9	60	6.8	4.9
22	1006.7	+ 0.7	27.2	22.2	5.0	24.9	- 0.2	2.8	20.6	- 1.4	77	- 6	24.2	18.5	0.0	...	4.0	3.7
23	1005.9	- 0.1	28.1	22.7	5.4	25.0	0.0	3.2	20.1	- 1.8	74	- 9	23.5	18.9	0.9	45	5.3	4.2
24	1005.3	- 0.8	28.2	22.2	6.0	24.9	- 0.1	3.6	19.4	- 2.5	71	-12	22.5	17.5	0.1	10	6.1	4.7
25	1003.6	- 2.5	28.2	23.1	5.1	25.4	+ 0.4	3.1	20.7	- 1.2	75	- 8	24.4	21.0	0.1	5	6.7	4.5
26	999.8	- 6.4	28.0	23.0	5.0	25.3	+ 0.3	2.5	21.5	- 0.4	79	- 4	25.6	20.9	10.1	205	5.5	7.7
27	994.8	-11.4	25.3	23.0	2.3	24.3	- 0.6	2.1	21.1	- 0.7	82	- 1	25.0	21.9	21.0	635	0.3	8.7
28	1000.1	- 6.1	29.0	21.9	7.1	25.5	+ 0.6	2.5	21.8	0.0	80	- 3	26.1	21.5	0.7	20	2.9	2.6
29	1003.6	- 2.7	29.6	19.1	10.5	24.5	- 0.4	2.6	20.5	- 1.3	78	- 4	24.1	15.5	0.0	...	2.6	1.8
30	1004.9	- 1.4	29.2	20.7	8.5	24.6	- 0.3	2.3	21.0	- 0.8	80	- 2	24.9	17.4	0.0	...	5.2	3.1
31	1006.8	+ 0.4	29.6	22.1	7.5	25.1	+ 0.3	2.4	21.5	- 0.2	80	- 2	25.6	18.7	0.0	...	6.0	6.0
Mean	1005.2	- 0.4	28.8	22.2	6.6	25.1	- 0.1	2.3	21.6	- 0.4	80.9	-1.4	25.8	19.4	Sum 102.6	Sum 2005	4.9	5.3
Aver.	1005.6	...	28.9	22.3	6.6	25.2	...	2.2	22.0	...	82.3	...	26.4	19.9	220.4	2321	4.8	5.9
Col.	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, 1943.

A cyclone was located on the 23rd south-south-east of Diego Garcia. It moved successively west by south, west-south-west and south-west until it was about 100 miles north of Mauritius where the course changed to south and south-south-east, the centre passing 50 miles to the east on the 27th. It continued to move south-south-east until it was out of range on the 29th, when it was centred about 400 miles south of Rodrigues. The maximum gust at the Observatory was only 53 m.p.h. but hurricane force winds were experienced by ships that got into the centre and the lowest pressure reported was 978.5 mbs.

Mean pressure for the month was 0.4 mb. below normal.

Rainfall, as in February, was defective, being only 47% of the average, but distribution was good.

Cloud amount was 10% below and sunshine 12% above normal. The other elements were about normal.

TABLE VII(Ctd.).-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of MARCH, 1943.

Month and day 1943.	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
MARCH	hrs.	%	m.p.s.	m.p.s.	°C	°C	°C	°C	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
1	11.6	93	2.6	- 0.7	25.1	26.9	28.6	28.4	b_o : b : bc .
2	9.6	77	3.5	+ 0.2	25.1	27.0	28.6	28.5	bc : Cr : c : cr_o : cr : c :: bc : b .
3	1.5	12	3.0	- 0.3	25.1	26.8	28.6	28.6	b : bcr_o : 0 : Or_o : c : 0 : c : bc .
4	8.7	70	3.4	+ 0.1	26.0	26.9	28.6	26.4	bc : c : bc .
5	11.3	91	3.0	- 0.3	25.0	26.9	28.6	28.5	ocr : bc : c : bc : b : b_o .
6	11.3	91	2.1	- 1.2	25.2	26.7	28.8	28.3	b_o : b : bc : b .
7	10.2	83	1.9	- 1.4	25.2	26.9	28.6	29.0	b : bc : c : bc .
8	1.8	15	1.4	- 1.9	25.2	26.8	28.7	28.9	bc : c : 0 : c .
9	3.8	31	1.5	- 1.8	25.2	26.8	28.7	28.5	c : bc : c : Cr_o : c : bc .
10	2.6	21	1.8	- 1.5	25.2	26.7	28.6	28.2	c : Cr_or_o : Cr : Orr : bcr : bc .
11	8.1	66	2.0	- 1.3	25.2	26.8	28.6	28.0	bc : c : bc .
12	11.3	92	2.5	- 0.8	25.2	27.0	28.5	29.4	b : bc : bcl : bc .
13	11.0	90	2.6	- 0.7	25.2	26.9	28.6	29.1	CR : cd_oa_o : bc : b .
14	2.6	21	2.0	- 1.2	25.2	26.8	28.7	29.0	bc : c : 0 : Or_or_o : 0 : c : bc .
15	4.0	33	2.4	- 0.8	25.2	27.0	28.7	29.0	b : bc : c : Or_or_o : c : bc : b .
16	10.4	85	2.7	- 0.5	25.2	26.7	28.7	29.1	b : bc : Cr_o : Cr : bc : bcR .
17	7.4	61	2.3	- 0.9	25.2	26.8	28.7	28.9	c : 0 : c : Or_o : c : bc : Orr : bc .
18	4.5	37	2.2	- 1.0	25.2	26.7	28.7	28.8	Crr : c : Orr : Cr_o : Orr : 0 : bc : c .
19	9.6	79	2.9	- 0.3	25.2	26.6	28.7	28.5	bc : c : bc : b .
20	10.1	83	3.4	+ 0.2	25.2	26.5	28.6	28.3	b : bc : Crr : c .
21	9.9	82	3.6	+ 0.4	25.2	26.8	28.6	28.7	b : bcq : cq : Or_o : Cr_or_o : bc .
22	8.5	70	3.9	+ 0.7	25.2	26.8	28.6	28.4	c : b : bc : c : bc : b .
23	10.1	83	4.9	+ 1.7	25.2	26.8	28.5	28.2	bc : Cr : bc : bcq : c : bc .
24	10.1	84	5.2	+ 2.0	25.2	26.6	28.4	27.9	bc : ocr_o : bc : bcq : Cq : Cr_o : bc .
25	10.0	83	6.4	+ 3.2	25.2	26.8	28.3	28.0	b : bcd_o : bc : bcq : bq : cq .
26	7.3	61	7.8	+ 4.6	25.2	26.6	28.2	27.9	cqr_or_o : Oqr : Cqr_o : bcq : Oqr_or_o : Cq : OqRR : Cqr .
27	0.0	0	9.0	+ 5.8	25.2	26.6	28.1	27.4	OqRR : Oqr_or_o : OqRR : Oqrr : Oqr_or_o : Cq : bc .
28	10.5	88	5.0	+ 1.8	25.2	26.8	28.1	27.2	bc : Cr : bc : bcr_o : bc : b : b_o .
29	10.8	91	2.1	- 1.1	25.2	26.7	27.8	27.0	b_o : b : bc : b : b_o .
30	10.3	87	2.0	- 1.2	25.3	26.8	27.6	27.4	b_o : b : bc : c :: bc : b .
31	9.4	79	2.0	- 1.2	25.2	26.6	27.7	27.8	c : bc : b : bc : Cro : c .
Mean	8.02	65.8	3.26	+0.02	25.18	26.78	28.48	28.33	
Aver.	7.15	58.6	3.24	...	25.39	27.07	28.01	28.22	
Col.	19	20	21	22	23	24	25	26	27

Means and extremes of certain meteorological elements during the month of March, 1943.

Element	Highest	Date	Lowest	Date
Atmospheric Pressure	1010.4mbs. at 22.00hrs.	on 12th.	990.9 mbs. at 13.00hrs.	on 27th.
Temperature of the Air	30.8°C	on 6th.	19.1°C	on 29th.
Daily Range of Temperature of the Air	10.5°C	on 29th.	2.3°C	on 27th.
Temperature of Dew Point	24.9°C at 14.00hrs.	on 18th.	17.5°C at 00.00ht.	on 24th.
Minimum on Grass			15.9°C	on 29th.
Relative Humidity	99.6% at 07.00hrs.	on 7th.	59.7% at 14.00hrs.	on 6th.
Vapour Pressure	31.5mbs. at 14.00hrs.	on 18th.	20.0mbs. at 00.00hr.	on 24th.
Evaporation in 24 hours	7.9mms.	on 13th.	0.3mm.	on 27th.
Wind Velocity	16.9m.p.s. at 12.00hrs.	on 27th.	0.7m.p.s. at 17.00hrs.	on 9th.
			07.00hrs.	on 29th.
Rainfall in 24 hrs.	29.8mms. ending 14.00hrs.	on 18th.		
Duration of sunshine	11.6hrs.	on 1st.	0.0hr.	on 27th.

Mean Day Temperature of Air 26.81°C. Mean Night Temperature of Air 23.45°C.

NUMBER OF DAYS OF:-

Mean Cloud Amount: 0	1 - 3	4 - 6	7 - 9	10	RAINFALL: mms. 0.1 - 0.9	mms. 1.0 - 4.9	mms. 5.0 - 9.9	mms. 10.0 - 24.9	mms. 25.0 & over	Lightning	Thunderstorms
...	6	15	10	...	7	8	2	4	...	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).

MARCH, 1943.

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	076	081	076	075	081	070	041	041	033	030	071	090	100	091	073	064	Midnight
1h	071	076	069	072	078	062	039	034	029	029	069	085	097	090	070	060	1h
2	064	070	061	066	072	060	032	029	021	026	066	081	091	087	062	056	2
3	062	063	052	063	069	052	030	021	017	024	061	078	087	080	060	050	3
4	062	065	057	061	069	050	025	020	014	024	060	078	089	079	059	050	4
5	061	068	055	061	068	049	023	021	017	026	062	080	090	080	060	051	5
6	065	071	063	067	070	050	025	027	020	030	066	085	091	081	064	053	6
7	070	076	069	071	074	049	032	030	024	033	071	091	092	087	067	060	7
8	075	080	073	076	079	048	040	039	028	040	080	098	100	099	071	067	8
9	079	080	081	081	081	050	041	043	029	045	081	100	101	100	079	071	9
10	079	080	080	085	061	050	044	043	030	046	084	099	101	101	076	070	10
11	078	078	078	083	080	046	044	041	030	045	087	094	100	099	073	069	11
Noon	074	071	069	080	074	041	041	039	024	041	081	086	095	084	069	061	Noon
13h	070	068	066	072	069	037	037	030	020	040	075	079	087	073	061	058	13h
14	061	061	059	068	061	029	030	025	013	037	070	076	081	068	054	056	14
15	060	056	052	061	051	023	026	021	010	037	066	074	079	057	051	050	15
16	060	055	057	060	050	023	025	019	008	040	069	078	078	054	051	051	16
17	061	060	061	060	050	026	026	020	010	045	071	080	079	057	054	056	17
18	066	063	062	066	052	030	030	023	012	050	074	085	081	060	057	058	18
19	073	069	070	072	060	036	035	030	017	057	081	096	087	067	062	066	19
20	079	073	073	079	065	040	042	032	026	062	085	100	096	072	066	071	20
21	082	078	078	081	071	044	047	040	031	071	090	102	099	077	070	081	21
22	084	080	081	084	073	049	049	042	033	075	092	104	095	080	070	080	22
23	082	080	080	083	073	045	046	038	033	074	091	100	093	077	068	075	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	071	079	076	061	071	085	061	068	056	022	977	977	034	053	061	068	Midnight
1h	071	069	071	059	069	079	060	060	051	027	971	980	031	050	060	056	1h
2	067	063	069	054	061	072	058	054	049	020	962	972	030	048	056	051	2
3	060	059	061	049	058	070	052	051	045	020	955	975	024	046	051	047	3
4	058	058	061	048	055	070	050	048	040	016	951	975	022	044	051	045	4
5	060	060	064	047	059	071	051	049	040	013	950	977	028	046	058	047	5
6	066	061	065	050	061	074	054	050	041	011	949	980	031	049	061	049	6
7	071	067	069	057	063	079	061	051	042	016	950	988	040	051	069	054	7
8	081	070	071	062	070	080	067	059	044	017	954	994	044	058	070	059	8
9	081	071	076	069	075	081	070	061	049	014	933	000	050	060	071	061	9
10	081	071	072	065	075	082	070	062	049	013	939	004	050	060	071	062	10
11	080	071	070	061	074	080	065	060	041	008	928	008	045	053	070	059	11
Noon	071	069	066	056	071	071	060	052	036	001	919	005	034	048	063	053	Noon
13h	063	061	056	050	068	066	058	045	030	989	909	001	024	040	059	047	13h
14	059	057	050	043	062	060	050	040	022	981	919	000	020	034	058	042	14
15	056	055	044	041	060	050	046	038	016	980	920	999	016	031	056	038	15
16	059	056	046	041	060	049	044	040	016	971	934	001	017	031	059	039	16
17	060	055	048	046	062	047	047	043	018	972	943	007	021	036	061	041	17
18	063	060	050	051	067	049	050	050	024	975	947	011	031	042	070	046	18
19	072	070	060	061	074	053	058	054	030	976	950	020	041	050	080	053	19
20	078	076	065	070	081	061	064	060	032	982	965	026	049	055	085	058	20
21	079	081	070	075	086	063	071	061	040	981	971	033	057	061	091	063	21
22	083	080	070	075	090	065	071	062	040	983	978	036	059	063	091	065	22
23	080	079	067	074	089	062	069	060	026	981	972	036	056	062	091	063	23

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

Day	MARCH, 1943.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	0	0	2	5	4	0	0	4	7	6	4	0	8	0	1	2	10	8	8	1	3	9	1	3	3	8	8	3	0	0	9	3.8
1h	0	0	2	5	5	0	1	4	7	7	4	0	8	0	1	1	10	8	5	1	3	9	1	3	3	8	9	3	0	0	9	3.8
2	0	0	2	5	6	0	2	5	7	8	4	0	10	0	1	1	10	8	5	1	3	9	1	3	3	9	9	4	0	0	9	4.0
3	0	2	2	5	5	0	2	6	7	8	4	0	10	0	1	1	10	8	4	1	2	2	2	3	3	9	10	4	0	0	9	3.9
4	0	2	4	6	5	0	2	6	6	8	7	0	9	0	1	3	10	8	4	1	2	2	2	3	3	10	10	5	0	0	9	4.1
5	1	9	6	7	5	1	3	7	5	8	7	0	8	9	1	3	10	8	5	2	2	2	3	4	5	8	10	2	0	0	10	4.9
6	1	9	8	8	5	1	3	6	4	8	7	2	8	10	1	4	9	10	5	2	2	2	3	5	2	3	10	2	0	0	10	4.9
7	1	9	8	8	6	1	4	8	4	9	7	2	7	9	1	6	9	10	5	2	2	3	3	5	4	8	10	4	0	0	9	5.5
8	3	9	8	9	6	5	5	8	6	9	8	3	6	9	1	7	9	10	7	3	3	3	4	6	4	7	10	4	1	1	5	5.8
9	5	10	7	9	9	6	5	9	7	9	8	4	4	9	5	8	10	9	10	4	3	3	4	6	5	5	10	5	2	2	1	6.2
10	5	10	7	8	7	6	5	9	8	9	8	4	4	9	9	9	9	9	9	4	3	6	4	5	5	7	10	5	3	6	2	6.6
11	5	10	7	8	6	5	6	9	8	9	8	4	4	9	8	8	9	10	8	4	4	9	4	4	5	8	10	4	4	4	2	6.5
Noon	5	10	8	8	5	5	3	9	4	9	8	5	4	9	10	8	8	10	6	4	4	6	4	3	6	10	10	4	4	4	3	6.5
13h	5	10	7	8	6	5	6	9	9	9	7	5	4	9	6	8	8	10	6	4	7	5	5	8	5	10	10	4	5	4	3	6.7
14	5	10	8	8	6	4	6	9	9	9	7	5	4	9	6	7	7	10	5	5	7	5	6	6	6	8	10	3	5	4	4	6.5
15	5	10	8	9	6	4	8	9	9	9	7	5	5	9	6	7	6	9	5	6	8	5	7	8	6	6	10	3	3	4	5	6.7
16	4	9	8	9	6	4	7	10	9	9	7	4	5	9	6	5	7	8	5	4	9	4	6	8	5	7	10	2	4	7	5	6.5
17	3	8	7	9	2	3	6	10	9	10	7	4	5	9	6	3	7	7	6	2	8	4	6	5	5	7	10	1	5	2	6	6.1
18	3	9	7	9	2	3	6	9	8	10	7	4	5	9	7	3	7	5	6	1	6	3	4	3	4	10	10	2	5	9	7	5.9
19	3	7	6	7	1	3	5	8	6	7	7	5	2	9	8	2	10	6	4	5	4	1	5	2	4	8	8	0	2	8	7	5.2
20	3	6	3	5	0	2	4	8	6	7	6	5	1	6	6	2	8	7	1	8	9	0	5	5	3	7	8	0	0	2	6	4.5
21	3	3	2	4	0	1	3	8	6	7	6	5	1	6	5	2	6	7	1	8	8	0	9	5	2	7	3	0	0	2	6	4.0
22	3	4	2	4	0	1	3	8	6	4	4	6	1	6	4	6	7	8	1	8	4	0	6	5	6	7	8	0	0	2	5	4.0
23	2	5	2	4	0	0	3	8	6	4	3	7	1	6	2	2	7	9	1	8	8	0	6	5	8	8	3	0	0	2	5	4.1

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

Hour ENDING \ Day	MARCH 1943.																															
	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.	m.
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	58	17	20	0	40	50	50	0	15	12	30	57	25	0	2	28	10	0	3	6	35	25	0	2	30	0	0	0	40	30	0	9.1
8	60	47	2	33	60	60	60	6	50	12	15	60	60	0	6	60	36	58	45	60	60	60	50	60	60	15	0	50	60	60	20	21.1
9	60	60	0	30	55	60	60	38	56	30	56	60	60	12	0	60	10	50	35	60	60	60	60	60	60	60	0	60	60	60	60	24.1
10	60	60	0	50	60	60	60	40	60	45	20	60	60	0	0	50	0	55	45	60	60	51	60	60	60	50	0	60	60	50	60	23.1
11	60	60	0	42	60	60	60	5	19	26	60	60	60	11	9	60	15	15	60	60	60	11	60	60	60	50	0	60	60	47	60	22.1
Noon	60	60	0	60	60	60	60	0	0	0	60	60	60	30	55	60	60	0	60	60	60	50	60	60	60	30	0	60	60	60	45	23.1
13h	60	60	0	60	60	60	60	11	0	27	50	60	60	60	60	60	60	0	60	45	45	20	60	60	60	60	0	60	60	60	60	24.1
14	60	38	0	30	50	60	60	0	10	0	46	60	60	2	35	53	50	50	60	33	48	38	60	60	60	50	0	60	60	60	60	21.1
15	60	60	45	60	60	60	60	0	14	5	60	60	60	25	30	30	60	15	60	60	20	60	60	60	60	30	0	60	60	60	60	23.1
16	60	45	20	60	60	60	20	0	5	0	60	60	60	8	41	57	55	10	60	60	35	60	60	60	50	50	0	60	60	60	50	22.1
17	60	44	0	60	60	60	50	0	0	0	26	60	50	5	2	60	60	20	60	60	60	50	60	40	40	40	0	60	40	60	60	20.1
18	42	26	0	40	48	33	10	7	0	0	0	25	45	6	0	45	25	0	30	41	50	26	20	20	0	2	0	40	30	10	30	10.1
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 248.5 hrs. and the total Possible Sunshine was 377.6 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, 1943.

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	22.7	1.6	22.9	1.6	24.8	1.6	24.0	1.0	23.5	1.0	22.6	1.6	22.2	1.4	23.7	1.7	Mid-night
1h	22.6	1.6	23.0	1.3	24.8	1.7	24.0	1.0	23.1	1.3	22.2	1.3	22.0	1.7	23.9	1.9	1h
2	22.1	1.3	22.9	1.3	24.2	1.3	24.1	1.0	23.0	1.2	21.7	1.5	21.5	1.4	23.1	1.2	2
3	21.8	1.5	22.7	1.4	23.9	1.2	24.1	1.1	23.1	1.3	21.2	1.3	21.2	1.2	22.9	1.2	3
4	21.4	1.3	23.6	0.8	23.7	1.0	24.1	1.3	23.0	1.5	21.0	1.4	21.1	1.2	22.7	1.2	4
5	21.2	1.2	23.4	0.7	23.9	1.1	24.0	1.3	22.9	1.6	20.8	1.4	21.0	1.1	22.9	1.5	5
6	21.1	1.2	23.9	0.8	23.9	1.0	24.1	1.6	22.3	1.1	20.6	1.4	20.9	1.2	23.0	1.3	6
7	23.1	1.2	24.4	0.5	24.8	1.5	24.2	1.3	23.7	1.4	22.6	0.9	22.6	0.1	23.1	1.2	7
8	25.9	2.6	26.1	1.1	26.0	2.2	25.3	2.0	25.4	1.9	25.8	1.8	26.1	1.6	24.8	1.8	8
9	27.0	3.5	27.0	2.3	24.0	1.8	26.3	2.3	26.6	3.7	27.0	3.1	27.7	3.5	26.9	3.7	9
10	28.1	4.9	27.3	2.3	24.2	0.9	27.1	3.3	27.7	4.5	28.2	4.3	28.0	3.5	28.5	4.5	10
11	28.3	5.0	28.3	3.4	25.1	1.2	27.1	3.4	28.0	4.9	28.8	4.9	29.7	4.4	28.0	3.7	11
Noon	28.9	5.6	28.8	3.6	26.4	2.2	27.7	4.5	28.1	4.3	29.4	5.4	30.0	4.8	27.6	3.7	Noon
13h	28.8	5.0	28.8	3.5	27.1	2.5	28.0	4.7	28.2	5.1	29.2	4.5	30.3	5.0	28.1	3.3	13h
14	28.7	5.5	26.7	1.7	26.9	2.4	27.7	5.0	27.6	3.6	30.0	5.9	29.4	4.6	28.0	3.9	14
15	28.9	5.7	27.7	2.7	27.6	2.9	27.4	4.4	27.9	4.7	29.9	5.6	29.7	5.0	27.1	2.9	15
16	28.2	5.0	26.2	1.8	27.2	3.1	27.2	4.2	27.3	4.4	29.9	5.3	28.1	4.0	27.1	2.8	16
17	27.8	4.7	27.0	2.7	26.7	2.7	26.8	4.1	27.0	4.4	28.8	4.6	28.3	4.3	27.1	2.9	17
18	26.2	3.4	26.3	2.2	26.0	2.0	25.9	3.4	25.9	3.8	27.6	3.7	27.1	3.2	26.6	2.7	18
19	25.0	2.3	25.4	1.4	25.2	1.5	24.8	2.0	24.6	2.5	25.8	2.6	25.6	2.4	25.0	1.4	19
20	24.0	1.8	25.3	1.4	24.8	1.3	24.2	1.5	23.9	2.1	24.1	2.0	24.1	1.6	24.2	1.2	20
21	23.6	1.6	25.2	1.5	24.3	1.3	23.9	1.6	22.6	1.6	23.3	1.5	23.9	1.7	23.9	1.1	21
22	23.2	1.2	25.1	1.5	24.3	1.2	23.2	1.1	22.9	1.8	23.0	1.7	23.6	1.6	23.7	1.2	22
23	23.0	1.5	25.0	1.7	24.2	1.2	23.3	1.3	22.7	1.8	23.0	1.7	23.4	1.5	23.1	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	22.9	1.2	23.1	1.0	23.9	0.9	24.2	1.0	24.0	0.8	22.6	1.5	22.1	1.0	23.4	1.1	Mid-night
1h	22.3	1.1	22.8	1.0	24.0	0.9	24.3	1.1	24.6	0.8	22.1	1.4	22.3	1.0	23.1	1.0	1h
2	22.1	1.3	22.8	1.0	24.0	0.9	23.8	1.1	24.9	0.9	21.6	1.4	22.2	0.9	23.2	1.0	2
3	22.1	1.2	22.8	1.2	23.3	0.7	23.2	1.0	23.6	0.4	21.2	1.2	21.9	0.9	23.2	1.1	3
4	22.0	1.2	22.9	0.9	23.4	0.8	23.1	1.0	23.9	0.7	21.1	1.2	22.1	0.8	23.1	1.2	4
5	21.8	1.5	23.0	0.9	23.3	0.6	22.9	1.0	23.8	0.7	21.9	1.2	21.6	0.8	22.8	1.1	5
6	21.1	1.2	23.0	0.9	23.2	0.5	22.6	1.1	23.6	0.6	22.0	1.1	21.1	0.8	22.7	1.1	6
7	21.6	1.3	23.2	0.7	24.3	0.3	23.2	0.9	23.8	0.7	23.2	0.8	21.7	1.0	24.0	1.3	7
8	25.0	1.9	25.1	1.0	26.1	1.2	26.7	2.4	26.1	1.9	23.3	1.1	24.6	1.3	26.2	2.1	8
9	27.8	4.1	26.1	1.4	27.2	1.7	27.7	3.0	27.1	3.1	24.3	1.4	25.0	1.4	27.0	2.9	9
10	28.5	4.4	27.3	2.7	27.6	2.6	28.2	3.2	28.0	3.7	24.8	1.7	25.9	2.0	27.6	3.2	10
11	28.8	4.7	28.8	3.3	28.4	2.7	28.9	4.3	28.2	4.5	24.9	1.1	26.0	1.9	28.4	3.7	11
Noon	28.0	3.4	28.7	3.0	29.1	3.4	29.7	4.5	28.7	4.7	26.3	2.2	27.2	2.9	28.2	3.8	Noon
13h	27.0	2.3	28.9	3.4	29.8	3.6	29.5	4.5	28.9	4.7	28.1	3.8	27.4	2.9	28.8	4.2	13h
14	27.0	2.0	28.8	2.9	29.2	3.6	29.1	4.1	28.7	4.5	27.9	3.9	27.6	3.5	28.7	4.6	14
15	27.2	2.2	29.1	3.4	29.9	3.9	28.9	3.9	28.7	4.4	27.2	3.2	27.8	3.7	27.9	3.8	15
16	26.0	1.4	28.3	2.3	30.1	4.0	28.6	3.7	28.0	4.0	27.0	3.1	27.7	3.4	27.8	3.7	16
17	26.0	1.2	25.4	2.3	28.0	3.1	28.0	3.8	27.2	3.3	26.3	3.1	26.8	2.9	27.3	3.3	17
18	25.9	1.6	23.1	0.7	27.0	2.2	27.1	2.8	26.3	3.0	26.0	3.0	26.0	2.3	26.6	2.7	18
19	25.0	1.4	23.6	0.8	26.0	1.7	26.2	1.9	25.2	2.6	24.8	2.1	25.0	1.7	25.6	2.3	19
20	24.7	1.1	23.3	1.0	25.3	1.2	25.7	1.6	24.0	1.9	24.1	1.6	24.2	1.2	24.8	1.7	20
21	24.1	1.0	23.5	1.2	25.1	1.1	25.0	1.1	23.2	1.6	23.7	1.3	24.0	1.2	24.6	1.4	21
22	24.2	1.0	23.7	1.1	24.9	0.9	25.1	1.4	23.0	1.5	23.0	1.2	23.9	1.0	24.3	1.2	22
23	23.7	1.2	23.8	1.2	24.8	1.1	24.8	0.9	22.9	1.6	22.2	1.1	23.9	1.4	24.0	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).

MARCH, 1943.

Day / Hour	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	23.9	1.0	23.9	0.8	24.1	0.9	23.1	1.6	23.4	1.3	23.3	1.3	24.1	2.8	22.8	3.3	Midnight
1h	23.6	0.9	24.2	0.5	24.1	1.0	22.9	1.7	22.9	1.3	22.9	1.3	23.3	2.2	22.5	2.8	1h
2	23.8	0.8	24.5	0.5	24.1	1.0	23.1	1.7	23.1	1.1	23.2	1.4	23.1	2.1	22.9	2.9	2
3	24.1	1.2	24.5	0.5	23.3	1.1	23.2	1.9	22.6	1.5	22.8	1.7	23.1	2.0	22.9	2.2	3
4	23.9	1.0	24.3	0.4	22.9	1.0	22.8	1.8	22.9	1.8	22.5	1.5	23.9	2.5	22.5	2.8	4
5	23.7	1.0	24.2	0.6	22.7	1.0	22.3	1.3	23.3	1.6	23.1	2.1	23.7	1.8	22.5	2.3	5
6	23.6	1.0	24.2	0.6	22.6	1.2	22.6	1.5	22.9	1.8	22.7	1.9	23.6	1.7	23.1	2.9	6
7	23.6	0.7	24.2	0.6	23.0	1.0	23.0	1.1	23.2	1.9	23.9	1.9	23.5	1.5	23.7	3.4	7
8	25.1	1.1	25.8	1.3	25.2	1.3	26.0	3.0	25.4	3.1	26.1	3.0	24.8	2.7	25.6	3.9	8
9	25.2	1.2	26.2	1.3	26.0	2.6	27.0	4.1	26.3	4.2	27.0	3.8	26.1	4.0	26.1	4.5	9
10	25.4	1.6	27.6	2.2	27.1	3.7	27.8	4.6	27.0	4.9	26.1	2.6	27.0	4.8	26.8	4.6	10
11	27.3	2.2	24.5	0.5	27.6	3.6	28.1	4.4	27.7	4.8	26.5	3.4	27.3	5.0	26.9	4.7	11
Noon	28.2	2.6	25.3	1.2	27.9	4.1	28.1	5.1	27.7	4.7	27.7	4.1	27.9	5.1	27.2	5.1	Noon
13h	28.1	3.0	25.9	1.0	28.0	4.0	28.1	4.9	28.0	4.8	27.1	4.1	27.9	4.7	27.6	5.5	13h
14	28.7	3.6	27.3	1.7	28.0	4.0	27.9	4.5	27.2	4.0	27.0	4.1	26.6	3.4	27.8	5.6	14
15	28.2	3.4	27.1	3.1	28.0	4.0	27.3	4.1	26.6	3.5	27.1	4.5	26.5	3.6	27.3	5.7	15
16	28.4	3.4	26.1	2.2	27.3	3.6	27.3	4.2	26.9	3.9	27.1	4.8	26.5	3.5	27.0	4.8	16
17	27.1	1.8	26.1	2.7	26.7	2.9	26.9	4.1	26.7	3.7	26.4	4.3	26.0	3.5	26.2	4.3	17
18	26.1	1.9	25.5	2.4	25.9	2.8	25.8	2.9	25.4	2.7	25.3	3.3	25.1	3.5	25.2	3.2	18
19	24.1	0.3	24.7	2.1	24.6	2.0	24.6	1.9	24.9	2.3	24.3	2.7	24.6	3.3	23.9	2.5	19
20	24.1	0.4	24.1	1.8	23.9	1.7	24.2	1.2	23.7	1.0	24.1	2.6	24.5	3.3	23.7	1.9	20
21	24.1	0.6	24.1	1.8	23.8	1.8	23.2	1.1	23.1	1.2	23.8	2.6	24.1	3.2	23.9	2.7	21
22	24.0	0.9	24.0	1.8	23.2	1.3	23.7	1.3	23.1	1.5	23.9	2.3	24.1	3.6	24.1	2.1	22
23	23.7	0.8	24.2	1.6	23.1	1.1	23.9	1.1	23.0	1.3	24.3	2.4	24.0	3.7	24.1	2.3	23

Day / Hour	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	24.1	2.3	24.2	2.2	24.6	2.3	24.2	2.7	21.9	1.2	21.9	1.7	22.1	1.0	23.4	1.5	Midnight
1h	24.1	2.2	23.6	1.4	24.1	1.5	24.2	2.9	21.3	1.1	21.4	1.3	22.4	1.1	23.2	1.4	1h
2	24.0	2.4	24.0	1.8	24.3	1.4	24.4	2.2	20.8	1.2	21.2	1.1	22.2	1.0	23.1	1.3	2
3	24.0	2.2	23.9	1.9	24.3	1.6	24.0	1.1	20.4	1.3	21.1	1.1	22.9	1.2	22.9	1.3	3
4	23.1	1.5	23.2	1.2	24.1	1.4	23.9	0.9	19.9	1.6	21.1	1.1	23.0	1.1	22.8	1.3	4
5	24.1	2.5	23.4	1.5	24.2	1.5	23.9	1.5	19.6	1.4	20.9	1.1	23.2	1.0	22.8	1.3	5
6	23.9	2.6	24.0	2.0	24.1	1.5	24.0	1.4	19.1	1.3	20.8	1.1	23.1	1.0	22.7	1.3	6
7	24.1	2.1	24.1	2.0	24.1	1.7	24.1	1.9	21.0	1.2	21.4	0.8	23.0	0.9	23.3	1.2	7
8	25.5	2.8	24.7	2.0	23.0	1.9	25.3	2.4	24.4	1.4	24.0	1.6	23.3	1.1	25.2	1.9	8
9	26.8	4.3	26.9	3.7	23.9	1.9	26.6	2.5	26.0	3.5	26.7	3.2	26.0	2.9	26.4	2.9	9
10	27.1	4.4	27.1	3.9	24.1	2.0	27.3	3.1	27.9	4.7	27.2	2.5	27.6	3.9	27.1	3.4	10
11	27.9	4.8	27.4	3.7	24.8	1.9	28.0	3.2	28.4	3.5	28.7	3.7	28.0	4.0	27.6	3.6	11
Noon	27.4	4.1	24.8	1.2	24.0	2.2	28.1	3.5	29.3	4.5	29.1	4.2	28.1	3.7	27.9	3.8	Noon
13h	27.9	4.7	27.3	3.4	25.0	3.0	28.6	4.0	29.1	4.6	29.1	4.0	29.3	4.2	28.2	4.0	13h
14	27.9	4.6	27.0	3.6	25.1	4.0	28.3	3.7	29.2	4.2	28.6	4.5	29.3	4.4	28.0	4.0	14
15	27.2	4.2	26.2	2.5	24.8	3.6	28.1	3.8	28.9	4.4	28.2	4.5	29.0	4.2	27.9	4.0	15
16	26.6	3.6	26.3	2.8	24.8	3.6	27.8	3.7	28.2	4.1	28.0	4.3	28.1	3.9	27.5	3.7	16
17	26.1	3.8	25.6	2.4	23.7	2.0	26.9	3.3	27.3	3.4	27.8	3.9	27.8	3.7	26.8	3.3	17
18	25.1	3.0	24.7	1.7	24.2	3.1	25.9	3.0	26.2	2.9	26.2	2.9	27.0	3.0	25.9	2.7	18
19	25.1	2.9	25.1	2.4	25.0	3.7	24.9	2.1	25.2	2.3	25.0	2.2	24.2	2.3	24.9	2.1	19
20	24.6	2.5	25.2	2.5	24.6	3.5	24.3	1.8	24.2	1.9	24.1	2.0	23.0	1.6	24.2	1.6	20
21	24.5	2.3	26.0	3.1	24.3	3.3	24.2	1.9	23.6	1.6	23.3	1.3	23.1	1.9	24.0	1.7	21
22	24.7	2.6	26.0	3.1	24.1	3.2	23.8	2.0	23.0	2.1	23.1	1.4	23.0	1.7	23.8	1.6	22
23	24.8	2.9	25.7	2.7	23.9	2.7	22.9	1.9	22.1	1.8	22.4	1.3	22.7	2.0	23.6	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 MARCH, 1943.

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, 1943.

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.
Mid-night	12	1.8	10	1.8	09	3.4	11	3.0	09	1.9	10	2.0	11	1.8	13	1.2	12	1.3	11	1.4	11	1.6	10	1.8	09	1.6	09	1.3	10	2.2	08	2.3
1h	12	2.0	10	1.6	09	3.5	11	2.5	11	2.4	10	1.4	11	1.7	14	1.3	12	1.6	11	1.1	11	1.3	10	2.0	09	1.4	09	1.8	10	2.6	08	2.1
2	12	1.5	10	1.2	10	2.6	11	3.1	11	2.1	10	1.2	12	1.8	14	0.9	12	1.2	11	1.4	12	1.8	10	1.8	07	2.0	09	1.3	10	2.1	09	2.9
3	11	1.6	10	1.8	10	1.4	10	3.7	11	2.0	10	1.9	12	2.3	13	1.3	11	1.7	11	1.4	12	1.4	10	2.2	07	1.3	09	1.4	10	1.4	09	2.7
4	11	1.5	10	1.7	10	2.0	10	3.5	11	2.3	10	1.3	12	1.8	13	1.5	11	1.2	11	1.3	11	1.3	10	1.9	11	1.5	09	1.8	10	1.9	09	2.8
5	11	1.8	10	1.8	10	2.2	11	3.1	11	2.4	10	1.3	12	2.1	13	1.5	11	1.7	11	1.1	12	1.3	10	1.8	12	1.7	12	1.8	10	1.6	09	2.0
6	12	1.9	09	1.5	10	2.1	11	2.4	11	2.6	12	1.5	12	1.7	13	1.3	11	1.8	11	1.3	12	1.8	10	1.7	12	2.0	12	1.3	10	1.8	09	1.6
7	12	1.9	10	2.0	10	2.5	10	2.8	11	2.5	12	2.1	12	1.1	13	1.6	11	1.7	11	1.6	12	1.5	10	1.5	12	2.2	06	1.7	10	1.6	08	1.8
8	11	2.8	09	3.0	10	3.2	10	3.7	09	2.9	07	2.0	12	1.1	13	0.9	11	1.3	11	1.1	07	2.1	07	2.2	09	3.0	12	3.0	11	1.9	06	2.9
9	11	3.6	08	4.4	09	3.9	08	4.2	09	4.0	04	2.0	07	1.7	13	1.1	11	1.8	07	1.1	04	2.3	07	2.3	07	3.7	12	2.1	07	2.4	06	3.6
10	11	3.4	08	4.6	08	2.9	09	4.4	07	3.8	03	2.3	04	2.0	05	1.7	11	2.3	07	1.4	04	2.8	08	2.8	07	3.9	06	2.4	09	2.5	05	3.6
11	08	4.1	06	4.5	08	3.4	09	4.0	07	4.2	04	3.0	30	2.1	r27	1.8	07	3.0	05	2.1	03	3.0	07	3.3	07	3.4	07	3.3	08	2.7	04	4.0
Noon	07	3.1	08	5.4	09	4.5	09	4.4	08	4.3	04	2.5	25	2.8	d04	2.0	r20	2.4	03	3.1	02	3.6	08	3.4	06	3.8	07	3.9	07	3.6	06	3.6
13h	08	4.1	08	4.9	10	4.4	08	4.7	08	4.4	03	3.5	30	3.1	04	2.3	20	1.5	03	1.9	04	2.4	07	4.1	06	3.4	05	2.3	07	3.9	06	3.5
14	09	3.2	10	4.4	07	3.5	08	4.6	08	4.4	04	3.2	26	2.8	03	1.8	29	1.5	31	2.5	04	2.4	08	3.7	07	4.0	07	2.2	09	3.2	07	3.3
15	08	4.0	10	4.7	09	3.7	08	4.8	08	4.5	02	3.7	24	3.8	r20	1.2	26	1.7	02	2.1	02	3.5	07	3.8	07	3.9	10	2.4	08	3.3	07	3.5
16	09	3.6	10	4.7	08	3.5	11	4.4	08	4.1	02	4.1	23	2.2	r08	1.0	23	1.1	02	2.2	03	2.6	07	3.9	07	3.4	11	3.1	07	2.8	08	3.3
17	10	4.1	09	5.4	08	2.9	09	4.4	08	3.2	02	2.5	23	2.1	05	1.2	25	0.7	d14	3.4	07	2.3	07	3.4	08	3.4	10	2.3	07	2.2	07	3.7
18	09	3.5	09	4.2	10	2.8	08	3.4	09	3.3	02	1.3	23	1.1	30	1.1	20	1.0	16	2.7	07	1.1	08	2.9	08	3.2	10	2.1	08	2.1	08	2.7
19	10	1.8	08	3.9	10	2.8	09	1.9	10	1.9	02	0.8	23	0.8	d07	1.0	16	1.1	16	0.9	07	1.2	08	1.4	09	2.3	11	2.1	08	1.3	07	1.8
20	10	1.4	09	4.1	10	2.5	10	2.1	10	1.8	02	1.3	23	1.1	07	0.9	16	1.2	12	1.8	07	1.2	08	2.0	09	1.7	11	1.8	08	2.4	08	2.2
21	10	1.8	09	4.0	10	3.0	10	2.7	10	2.7	d11	1.8	20	1.6	07	1.7	16	1.5	12	1.8	07	1.8	08	1.5	09	1.8	11	1.7	09	2.1	08	2.2
22	10	1.8	09	3.6	10	2.9	10	2.5	10	2.1	11	1.7	14	1.5	07	1.4	11	1.5	12	1.6	10	2.0	09	1.9	09	2.0	11	1.7	09	2.1	08	2.0
23	10	1.8	09	3.5	10	2.8	11	2.3	10	2.1	11	1.6	15	1.3	10	1.4	11	1.2	12	2.0	10	2.4	09	2.0	09	1.3	11	2.1	09	2.9	08	1.7

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.	
Mid-night	08	1.7	11	1.6	08	2.1	10	2.3	08	2.2	12	2.0	12	3.9	12	2.7	10	5.8	11	7.2	13	8.2	21	4.7	19	1.5	15	2.0	13	1.7	2.6
1h	08	1.4	11	2.2	10	2.5	10	2.1	12	2.7	12	2.1	11	2.4	12	3.0	12	5.4	10	6.3	13	7.6	21	5.5	18	1.1	15	1.9	13	1.5	2.5
2	08	1.1	06	1.9	10	2.6	10	2.8	11	2.6	12	3.1	11	2.1	12	3.6	12	5.4	11	6.7	12	8.3	20	6.2	18	1.1	15	2.2	13	1.8	2.6
3	07	1.3	07	1.4	10	2.2	10	4.4	10	3.0	12	1.8	11	3.1	12	3.6	11	5.3	12	4.7	13	9.5	20	6.6	18	1.0	15	1.7	13	1.5	2.6
4	07	1.4	07	1.8	10	2.0	10	3.2	10	3.7	12	2.9	11	3.1	13	3.4	10	4.4	12	6.8	13	8.6	20	5.4	18	1.0	15	2.0	13	1.1	2.6
5	10	1.2	07	1.8	10	2.1	10	2.3	10	3.6	12	3.2	11	3.5	11	3.4	11	4.5	11	6.0	13	9.3	20	5.5	18	1.7	15	2.1	08	1.3	2.6
6	10	1.9	07	1.9	10	2.6	09	1.9	09	3.1	12	2.1	12	1.1	12	4.4	10	3.8	12	4.9	13	10.3	20	6.5	18	1.3	15	1.5	07	1.4	2.5
7	10	2.3	07	2.1	10	2.1	09	2.1	10	3.2	12	2.0	11	7.1	11	4.6	11	4.3	12	7.0	14	10.0	20	4.4	13	0.7	15	1.6	08	1.8	2.8
8	08	2.6	08	2.2	08	2.3	09	3.1	11	2.8	11	4.4	12	5.0	12	7.0	11	5.3	12	6.0	13	7.1	20	5.1	13	0.9	15	1.0	11	2.3	3.0
9	07	2.8	07	3.4	07	3.9	09	4.4	11	4.7	12	5.9	12	6.6	12	5.4	12	7.2	13	8.5	13	15.1	18	6.0	08	1.1	r06	1.5	09	1.6	3.9
10	10	1.6	05	3.6	07	4.4	09	4.4	10	6.2	09	5.3	11	7.5	12	7.1	10	7.8	13	7.6	13	15.9	19	5.8	r26	1.2	03	1.6	06	1.9	4.2
11	05	1.8	06	3.3	06	4.2	08	4.5	10	5.1	10	4.1	12	7.0	10	7.0	12	7.7	12	9.0	12	15.4	19	8.9	22	2.4	30	2.3	07	1.1	4.3
Noon	05	3.0	04	2.4	05	4.0	08	4.4	10	5.4	11	5.9	13	7.6	12	6.0	12	7.8	12	8.7	12	16.9	19	6.8	24	3.5	29	2.9	r31	2.4	4.6
13h	05	2.5	05	1.6	07	3.7	10	2.6	12	5.6	11	5.5	12	6.9	09	8.3	12	7.9	12	8.5	13	15.9	19	7.6	24	4.2	29	3.4	31	3.9	4.6
14	06	3.3	03	3.6	07	3.7	10	6.7	10	4.7	11	6.0	13	6.6	09	7.1	12	7.9	12	10.0	15	6.3	22	6.1	24	4.4	26	3.5	31	3.5	4.3
15	07	3.2	04	3.2	07	3.3	08	4.6	10	4.2	10	6.3	10	6.5	11	5.6	13	8.5	12	9.1	20	6.7	22	4.9	23	4.4	24	3.4	31	3.3	4.3
16	08	4.0	08	2.8	07	3.1	09	4.8	10	4.7	11	5.8	11	7.6	09	6.6	10	7.4	13	9.0	22	4.6	23	6.0	23	4.2	25	2.5	30	3.0	4.1
17	08	3.1	07	1.9	08	3.1	09	5.0	11	4.2	12	4.4	10	5.5	10	6.5	10	8.0	12	8.2	21	5.8	20	5.4	r11	2.7	24	1.3	29	2.3	3.7
18	09	3.1	07	1.8	09	2.5	10	3.8	12	3.1	12	3.8	11	6.1	11	5.1	11	5.0	12	8.5	18	9.2	22	3.5	12	1.9	25	1.3	30	2.0	3.2
19	12	2.1	07	1.4	09	2.6	11	2.4	08	2.2	12	3.3	11	5.0	10	4.7	11	7.5	12	9.0	18	6.3	22	2.8	16	1.3	25	1.4	d12	3.1	2.6
20	12	1.9	07	1.3	09	2.6	12	2.1	10	1.5	12	2.5	11	4.1	12	4.4	12	6.4	12	7.9	18	6.6	22	2.7	16	2.0	25	1.3	12	2.2	2.5
21	11	2.6	07	1.6	10	2.9	12	2.3	11	2.2	12	2.5	10	3.1	12	4.4	10	6.6	12	8.9	20	5.3	23	1.9	15	2.0	r13	1.7	13	1.2	2.7
22	08	3.6	07	1.4	10	2.7	11	2.4	11	3.1	12	3.6	12	3.6	12	4.6	11	6.8	12	9.2	22	3.6	20	1.5	15	1.6	13	1.5	12	1.5	2.7
23	11	1.7	07	1.6	10	1.8	10	2.9	11	2.1	12	4.4	12	3.5	10	5.3	11	7.5	13	8.0	21	5.5	20	1.1	15	1.9	13	1.5	07	1.8	2.7

TABLE XIII.-WIND FREQUENCY (NUMBER OF OCCASIONS), MARCH, 1943.

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	29	-	-	-	-	5	9	14	-	1	1	1	-	-	-	-	-
9	-	6	25	-	-	2	2	15	-	11	-	-	1	-	-	-	-	-	-
15	-	6	25	1	3	1	-	11	5	3	-	-	-	2	1	3	1	-	-
21	-	-	31	-	-	-	-	8	7	11	-	2	-	2	-	1	-	-	-
Totals				1	3	3	2	39	21	39	-	3	2	5	1	4	1	-	-

TABLE XIVa.-RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for MARCH, 1943.

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
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4.5	2.3	...	0.4	...	...	...	...	1.9	2.8	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.2	...	...	...	...	...	...	...	0.1	2.2	0.2	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	7.0	...	...	...	...	...	...	...	...	...	...	...	...	0.3	3.1	0.5	...	...	...
4	...	0.3	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	2.3	1.6	...	...	...	...
5	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	0.1	...	0.3	0.1	...	...	2.1	...	...	...	...
6	...	1.6	0.1	...	...	...	...	...	...	0.1	...	...	0.1	...	...	...	...	2.2	...	...	...	...	0.3	...	...	...	2.6	...	...	...	...
7	...	0.3	0.1	...	...	...	...	...	...	...	...	...	...	0.4	...	0.3	...	1.0	...	...	...	...	0.3	...	...	...	0.9	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	0.2	...	...	...	...	...	...	0.3	3.3	...	...	...	...
9	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	0.1	...	...	...	...	...	...	...	0.8	...	...	...	...
10	...	...	2.4	...	...	...	...	...	...	...	...	...	...	0.4	...	0.4	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	1.2	0.8	...	...	8.0	...	...	...	...	...	...	...	...	0.6	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	...	...	...	...	...	0.5	0.5	...	...	...	...
13h	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	0.8	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...
16	...	...	...	...	...	...	...	...	2.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	0.1	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	0.2	...	...	...	...
18	...	...	...	...	...	...	...	...	...	8.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10.3	...	...	...	1.0	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	0.5	0.1	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.3	...	...	...	...	...	0.2	...	...	...	...	...
22	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	1.9	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	0.6	...	...	...	...	...	...	...	...	...	...	...	...	1.7	0.5	...	0.6	0.2	...	...	...	0.1	3.8	...	...	...	...	...

TABLE XIVb.-RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for MARCH, 1943.

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
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4.2	1.9	...	...	...	...	...	...	2.9	3.0	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	0.4	...	...	...	...	...	0.5	...	4.9	3.8	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.2	...	...	...	...	...	1.6	...	7.3	2.6	5.0	...	...	...
4	...	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	0.5	1.8	2.5	0.8	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	0.1	1.5	...	1.0	0.9	8.0	1.4	...	...	...
6	...	0.1	...	...	...	...	...	...	...	1.0	...	...	...	...	...	0.1	...	...	...	...	...	...	...	0.1	...	...	4.4	0.5	...	...	...
7	...	...	0.1	...	...	...	...	...	...	...	...	...	0.2	0.1	...	...	...	0.9	...	0.5	...	0.1	...	...	0.2	0.7	1.9	...	...	...	...
8	...	...	...	...	0.8	...	...	...	...	...	...	...	...	2.2	...	...	...	0.3	...	...	...	...	...	...	...	1.6	5.9	0.2	...	...	...
9	...	...	...	...	1.8	...	...	...	...	...	...	...	...	0.2	...	...	0.1	...	...	...	...	...	0.1	...	...	0.2	5.5	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	...	...	...	3.3	...	...	...	...
11	...	...	...	...	...	...	...	3.4	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	0.3	5.9	...	...	...	...
Noon	...	0.2	...	...	...	...	...	...	...	...	...	...	...	0.4	1.8	...	...	0.9	...	...	...	...	...	...	...	2.6	6.9	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	9.9	...	...	...	...	...	...	...	2.0	...	...	...	0.4	...	...	...	0.5	4.5	...	...	...	...
14	...	...	...	...	...	...	...	2.8	...	...	...	...	...	0.8	...	...	0.8	...	...	...	...	...	0.2	...	...	...	2.6	0.4	...	...	...
15	...	...	...	...	...	...	...	3.0	...	0.1	...	...	...	...	...	...	...	3.6	...	...	...	...	0.5	...	...	0.3	1.5	...	...	...	...
16	...	...	...	...	...	...	...	...	0.3	...	3.9	...	...	...	...	...	4.9	...	...	...	0.2	...	0.8	...	...	2.0	...	...	...	...	...
17	...	0.7	...	...	...	...	...	...	0.3	0.9	34.6	...	...	...	...	...	0.3	0.4	...	...	...	...	...	...	...	4.8	0.9	...	...	...	...
18	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	3.4	1.4	...	...	...	...
19	...	...	...	2.0	...	...	...	...	...	1.6	...	...	...	...	...	...	...	...	...	...	...	...	...	3.2	...	3.0	0.7	...	...	...	1.2
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.4	...	0.1	0.4	2.9	0.6	...	...	...	0.3
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	0.2	...	...	1.6	0.1	1.0	0.9	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.6	...	...	0.7	...	...	0.5	0.4	0.3	1.4	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7.6	...	...	...	0.5	...	0.1	0.6	0.6	1.7	...	...	...	...	...
24	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5.9	...	...	...	...	...	0.3	0.7	3.5	0.2	...	...	...	...

TABLE XV.-TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS according to RIVER SYSTEMS indicated on the CHART for MARCH, 1943.

RIVER SYSTEM	STATIONS	Approximate Altitude in feet.	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20	3.18	80.8	6.30	-
	St. Antoine	50	2.54	64.5	7.78	10
	Bel Mont	50	2.70	68.6	8.44	9
	Poudre d'Or	20	2.59	65.8	7.69	9
	Mon Loisir	300	5.38	136.7	8.39	16
	Forbach	300	2.24	56.9	6.63	7
	Couroupa	...			7.32	
	Labourdonnais	290	3.27	83.0	9.58	11
	Mapou Water Office		No Record			
	Beau Séjour	300	5.17	131.3	11.43	17
	Mont Piton	650	4.62	117.3	10.47	12
	Mon Choix	700	4.09	103.9	9.64	9
	Antoinette	640	5.18	131.6	11.48	17
	Mon Songe	620	6.38	162.1	12.66	17
	Botanical Gardens	325	4.07	103.4	9.88	20
	The Observatory	179	4.04	102.6	8.59	21
	Solitude	175	4.01	101.9	9.96	12
	St. André-cœur	90			7.71	
	La Nicolière	...	6.62	168.1	15.92	22
	California	...	7.21	183.1	12.47	16
	Australia	...	8.52	216.4	...	
2 & 2	Union Regnard Flacq S.E.	600	8.52	216.4	11.97	17
	Constance La Gaite	100	8.20	208.3	11.28	17
	Rich Fund	600	8.24	209.3	13.29	24
	La Joffrette	...	8.00	203.2	...	18
	Belle Vue Allendy	...	8.75	222.3	10.89	16
4	Sans Souci	900	14.29	363.0	19.68	24
	Beau Champ G.R.S.E.	40	5.04	128.0	9.20	20
	Olivia	200	6.41	162.8	12.81	24
	Trois Ilots	...	6.40	162.6	...	22
	Belle Rive	400	8.75	222.3	11.68	27
	Sebastopol	700			...	
	Bonne Veine	400	17.57	446.3	17.53	22
5	Rose Belle	850	15.61	396.5	16.62	25
	New Grove	650	16.50	419.1	21.41	20
	Mon Trésor	...	15.54	394.7	...	22
	Mon Désert-Carie	75	8.60	218.4	9.03	16
	Ferney	20			14.25	
	Sauve Terre	....	8.49	215.6	...	17
	Tivoli	1320	11.70	297.2	18.54	24
	La Flora	1050	13.50	342.4	17.16	23
	Riche Bois Britannia	650	10.14	257.6	14.93	21
6	Britannia Estate	700	9.38	238.3	16.11	21
	Savannah Mill	300	5.03	127.8	12.24	13
	St. Aubin	200	5.32	135.1	11.19	17
	St. Avold	900	11.31	287.3	16.00	25
	Colmar	400	10.01	254.3	13.96	20
	Union Sugar Estate	...	5.98	151.9	9.43	
	Fontenelle	320	5.95	151.1	10.79	
	Choisy	200	8.33	211.6	9.31	12
	Beau Bois	...	8.94	227.1	15.57	18
	Bel Air	...	6.07	128.8	10.00	10
	St. Félix	...	7.90	200.7	...	8
7, 8, 9 & 10	Bel Ombre	40	8.68	220.5	9.65	16
	Beau Champ Baie du Cap	70	6.40	162.6	9.73	14
	Frédérica	...	7.93	201.4	11.73	15
	Pierre Fonds	...	12.10	307.3	9.03	15
	Ste. Marie	...	8.41	213.6	...	14
	Hussonia	...			...	
11	Curepipe Gardens	1840	14.38	365.2	18.02	20
	Mare aux Vacoas G.E.	1850	17.18	436.4	18.24	26
	Mare aux Vacoas Arnaud	1830	17.36	440.9	20.79	27
	La Marie Filter Beds	1700	16.93	430.0	16.44	20
	Sophie		No record.			
	Réunion	1420	12.40	315.0	14.00	17
	Aerological Station	1393	10.06	255.5	12.15	24
	Phoenix	...	11.96	303.8	12.35	12
	Quatre Bornes	...	7.98	202.7	...	12
12	Quatre Bornes Board	1090	8.68	220.5	...	11
	Le Réduit Dep. of Agric.	1000	7.72	196.1	10.00	27
	Alma	1460	17.58	446.5	19.00	22
	Bagatelle	1250	12.34	313.4	14.04	14
	Highlands	1300	10.79	274.1	14.71	14
	Trianon	950	8.12	306.2	11.37	13
	Val Ory	1100			11.39	
	Bassin	...	11.50	292.1	8.80	10
	Hermitage	1450	12.10	307.3	17.01	14
	Ebène	...	9.58	243.3	...	16
	Bôga	...	6.71	170.4	...	16
	Mon Rêve	...	10.37	263.4	...	15
	Mon Pevril	...	10.86	275.8	...	14
	Minissy	1150	10.19	258.8	12.25	15
	Plaisance	...			...	
	La Ferme	350	6.87	174.5	12.25	11
13	Line Barracks	...	3.64	92.4	6.70	11
	Richelieu Tobacco Res. Stn.	...	5.58	141.7	...	12

TABLE XVI.-PILOT BALLOON OBSERVATIONS FOR THE MONTH OF MARCH, 1943.

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,5000 metres		2,000 metres		2,5000 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.
1	9.38	085	4.5	079	5.2	114	1.7	129	3.2	112	4.9	...	...	...	...	...	...	...	...	...	...	...	...
2																							
3	9.06	086	6.5	096	7.5	090	13.8	086	13.6	076	10.0	074	11.7	052	10.7	...	...	...	...	...	...	...	...
4	9.00	070	8.3	075	5.5	093	4.3	092	5.5	093	7.6	...	...	...	...	...	...	...	...	...	...	...	...
5	9.12	110	5.8	116	5.9	091	5.5	086	7.8	083	7.3	...	...	...	...	...	...	...	...	...	...	...	...
6																							
7	9.51	302	1.5	324	2.0	334	2.8	336	2.5	338	2.7	344	3.0	...	...	...	...	...	...	...	...	...	...
8	9.12	294	1.7	229	0.9	216	0.5	198	0.6	196	2.9	...	...	...	...	...	...	...	...	...	...	...	...
9	9.07	301	3.5	056	1.1	090	2.4	092	2.9	105	3.6	...	...	...	...	...	...	...	...	...	...	...	...
10	9.00	054	5.5	055	4.9	051	7.6	057	7.6	063	4.9	...	...	...	...	...	...	...	...	...	...	...	...
11																							
12	9.04	087	3.7	078	3.3	061	4.2	065	4.7	070	5.8	057	3.3	...	...	...	...	...	...	...	...	...	...
13	9.04	063	4.5	069	3.1	087	5.7	090	7.8	092	5.8	...	...	...	...	...	...	...	...	...	...	...	...
14	9.24	090	6.3	089	12.4	082	7.8	079	13.1	068	10.3	...	...	...	...	...	...	...	...	...	...	...	...
15	9.16	076	6.8	077	6.5	094	4.8	113	2.6	127	1.5	129	2.6	109	7.0	...	...	...	...	...	...	...	...
16	9.32	070	10.5	070	11.6	071	11.5	061	14.0	056	13.3	060	22.6	...	...	...	...	...	...	...	...	...	...
17	9.34	087	8.5	076	8.5	074	7.1	060	7.9	042	7.0	034	8.7	035	8.1	035	9.8	018	6.4	026	10.2	...	...
18	9.29	071	4.6	062	4.4	052	8.4	044	9.6	046	8.6	040	4.4	...	...	...	...	...	...	...	...	...	...
19	9.11	091	4.8	087	5.2	077	6.9	071	5.2	073	5.8	061	4.6	...	...	...	...	...	...	...	...	...	...
20	10.01	099	4.6	091	3.1	082	7.3	083	7.0	078	7.2	077	8.2	...	...	...	...	...	...	...	...	...	...
21	13.34	108	5.9	132	3.4	111	5.1	114	10.8	107	10.6	099	22.3	...	...	...	...	...	...	...	...	...	...
22	7.35	141	1.4	123	7.4	122	9.3	116	14.6	120	14.4	119	13.5	...	...	...	...	...	...	...	...	...	...
23	18.00	131	7.7	132	5.4	123	14.2	125	23.8	128	24.5	137	11.0	147	20.2	...	...	...	...	...	...	...	...
24	6.06	122	13.3	125	15.7	119	24.3	...	...	123	24.1	122	17.7	030	3.4	007	6.7	...	...	...	...	...	...
25	6.11	146	3.0	132	4.3	135	7.1	125	8.6	118	12.2	112	11.3	...	...	...	...	...	...	...	...	...	...
26	10.10	130	12.6	126	14.2	133	13.8	122	15.9	121	26.3	...	...	...	...	...	...	...	...	...	...	...	...
27																							
28	9.05	227	10.6	216	13.9	222	18.3	220	24.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	6.34	135	0.3	205	3.8	203	5.8	213	8.5	225	7.6	229	6.7	210	6.8	243	6.3	260	4.0	246	10.4	243	8.1
30	17.47	267	2.3	277	2.6	238	2.2	250	2.5	240	1.6	336	1.1	...	...	...	...	...	...	(at 4,500 m.		246	13.4
31	9.16	326	1.4	027	1.3	074	1.2	045	1.4	050	1.6	...	...	...	...	...	...	...	...	...	...	...	...

c.2

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20° 5' 39" S -LONGITUDE 3h 50m 12.6s E.)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

APRIL, 1943.

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DIRECTOR

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TABLE I.-RESULTS OF MAGNETICAL OBSERVATIONS made during the Month of APRIL, 1943.

Month and day	Mean Declination (West)	Mean Horizontal Force. (C.G.S.) (Units)	Mean Vertical Force (C.G.S.) (Units)	Daily Range ≠ Declination (Unit 1 γ)	Daily Range ≠ Horizontal Force (Unit 1 γ)	Daily Range ≠ Vertical Force (Unit 1 γ)
APRIL	'			'		
1	...	...	.30005	...	..	13
2	14°26.6	.22396	002	4.2	38	14
3	27.5	398	000	7.5	57	23
4	28.2	398	.29998	5.5	53	27
5	...	399	996	...	40	24
6	29.4	395	997	6.5	64	27
7	28.8	409	996	3.8	42	20
8	29.0	412	993	8.3	20	26
9	28.9	422	989	9.0	31	39
10	28.3	...	997	7.5	..	23
11	28.5	...	.30001	5.2	..	14
12	29.2	398	.29996	6.3	54	29
13	29.0	414	.30001	5.6	28	16
14	29.0	419	.29996	7.6	12	16
15	28.9	426	996	4.0	40	15
16	29.0	418	993	4.3	40	27
17	29.5	...	997	5.5	..	17
18	28.7	...	994	4.8	..	22
19	28.8	...	992	7.5	..	34
20	29.0	420	995	5.2	42	17
21	29.0	404	995	6.0	49	23
22	29.4	406	993	7.3	23	27
23	29.1	414	991	8.0	29	30
24	28.7	419	990	11.7	24	23
25	...	417	990	...	35	26
26	...	377	.30001	...	61	27
27	...	395	.29999	...	44	12
28	29.6	416	996	5.7	26	16
29	30.0	405	995	3.6	43	9
30	...	401	...	...	51	20
..	...	...	...	...	..	..
Mean	14°28.92	.22407	.29996	6.38	41.2	22.1

Description of the Principal Magnetic Disturbances.

HORIZONTAL FORCE.

1d.	Slightly disturbed.
3d.	Moderately disturbed - Irregular features mainly. Between 20h.15m. and 23h. double wave of total amplitude (39γ).
4d.	Slightly disturbed - minor irregular features during second half.
5d.	Moderately disturbed at end; positive wave (35γ) between 20h.15m. and 23h.30m.
6d.	Very moderately disturbed - Mainly irregular features.
7d.	Slightly disturbed in parts.
10d.	Large increase in range; part of record lost.
11d.	Slightly disturbed.
12d.	Slightly disturbed.
15d.	Slightly disturbed at end.
16d.	Slightly disturbed.
	Register lost from 17d. 15h. to 19d. 13h.
20d.	Slightly disturbed.
21d.	Very moderately disturbed but minor irregular features.
22d.	Very slightly disturbed in parts.
25d.	Very slightly disturbed in parts.
26d.	Moderately disturbed. Minor irregular features with small oscillations at times.
27d.	Slightly disturbed.
30d. & 31d.	Slightly disturbed.

T=.37441: Mean Dip = 53°14.41: (X=.21695: Y= -.05603: Z=.29996).

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

TABLE II.-RESULTS OF ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the Month of APRIL, 1943.

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	Resulting Vertical Force
d h m	° '	d h m		d h m	° '	
2.14.25	14.27.6	3.11.06	.22390	2.14.42	53.15.25	.29993
16.14.46	14.27.1	6. 9.29	.22418	13.14.20	53.13.31	.29994
27.13.51	14.30.6	10.11.18	.22383	16.14.54	53.13.31	.29981
		17.10.52	.22428	27.14.03	53.15.37	.29996
		22.12.11	.22426			
		24. 9.35	.22440			
		28.11.06	.22409			

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

APRIL, 1943.

14° +

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	29.7	29.3	29.0	29.5	29.0	29.5	29.0	28.7	28.7	29.0	29.5	32.0	29.3	29.3	29.3	29.7	Midnight
1h	30.5	29.7	26.5	29.0	28.7	30.0	29.3	28.5	28.5	28.5	30.5	30.7	29.5	29.3	29.0	29.5	1h
2	30.0	29.3	28.0	29.0	28.5	29.0	29.3	28.7	28.7	28.5	30.0	30.0	29.5	29.5	29.3	29.7	2
3	24.5	26.7	28.5		27.0	28.0	28.5	29.0	29.0	28.3	27.0	29.0	29.5	29.0	29.3	30.0	3
4	29.5	28.0	27.0		26.0	30.0	28.7	28.3	29.0	28.3	29.0	28.0	29.3	29.0	29.3	29.5	4
5	28.5	26.5	23.0		27.5	30.5	30.0	28.7	29.5	28.5	29.5	29.0	29.7	29.3	29.3	29.0	5
6	29.0	27.3	22.5		27.3	30.7	29.0	30.0	30.0	29.0	29.0	29.7	30.0	29.7	29.0	30.0	6
7		27.5	23.0	27.0	25.0	30.0	26.7	30.5	30.0	29.0	26.0	29.5	29.5	30.0	28.5	29.0	7
8		28.7	25.5	27.5	25.5	31.0	28.5	31.7	31.7	30.0	28.0	30.7	30.0	31.0	30.0	30.5	8
9		30.0	26.0	30.0	28.5	32.0	30.0	33.3	33.5	31.0	29.0	32.0	31.5	32.0	30.7	31.0	9
10	29.7	30.7	29.3	30.2	29.7	32.0	30.5	32.5	33.0	31.0	28.0	33.0	31.5	32.3	30.5	31.0	10
11	30.3	30.5	29.0	29.0	29.7	31.5	29.7	30.5	31.0	28.5	27.0	32.0	30.5	31.0	29.0	29.0	11
Noon	29.5	29.5	29.0	27.0	29.0	29.0	28.0	27.0	27.0	26.3	27.0	30.0	28.0	29.5	27.0	27.5	Noon
13h	28.5	28.3	27.5	25.0	27.5	26.0	27.0	25.7	25.0	24.5	25.5	27.5	26.5	27.5	26.7	27.0	13h
14	28.0	27.5	27.7	24.7	27.0	25.5	26.7	25.0	24.7	24.0	25.5	24.7	25.7	26.0	27.0	27.5	14
15	28.3	27.3	26.5	25.5	27.5	26.7	27.0	27.5	24.5	23.5	26.3	25.5	26.0	24.7	26.7	27.0	15
16	28.0	27.0	27.0	27.3	28.3	27.0	28.0	27.5	26.0	25.0	27.0	26.0	27.0	25.3	27.3	26.7	16
17	28.0	27.5	27.7	28.0	28.5	29.0	28.7	28.3	27.5	27.3	28.0	27.0	28.0	26.7	28.0	27.0	17
18	28.0	28.5	29.0	29.0	29.7	29.5	29.3	29.0	28.7	28.0	29.5	28.3	29.0	28.0	29.0	28.0	18
19	28.7	29.7	30.0	29.5	30.5	30.0	30.0	29.0	29.3	29.5	29.7	29.0	29.3	28.7	29.5	29.0	19
20	28.7	28.3	29.7	29.0	29.0	30.0	29.5	29.3	29.5	30.0	30.0	29.3	29.5	29.0	29.5	29.3	20
21	29.5	28.5	29.0	31.5	29.5	29.7	29.3	29.5	29.5	31.0	30.5	29.7	29.5	29.5	29.5	29.5	21
22	29.7	28.7	29.0	30.0	30.3	29.0	29.0	29.3	29.3	30.0	30.7	29.7	29.3	29.5	29.5	29.7	22
23	29.3	28.7	29.5	30.0	28.5	29.3	29.0	29.0	29.0	31.0	30.3	29.5	29.5	29.5	29.7	29.5	23

14° +

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Hour \ Day
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	30.0	29.5	29.0	29.3	29.3	29.5	28.7	29.0	29.5			30.0	29.3	30.0	...	29.4	Midnight
1h	29.5	29.7	29.3	29.5	29.7	29.3	29.5	28.5	29.7			30.0	30.0	29.7	...	29.4	1h
2	29.3	29.5	29.0	29.7	30.0	29.5	29.3	29.0	29.5			30.0	30.0	30.0	...	29.3	2
3	29.5	29.7	29.7	29.7	30.0	30.0	29.7	29.0	30.0			30.0	29.7	29.5	...	29.1	3
4	29.3	29.7	29.7	29.7	30.7	30.0	30.0	29.3	30.0			29.7	29.5	28.5	...	29.0	4
5	28.5	29.0	30.0	30.0	30.5	30.0	30.0	29.7				29.3	29.5	29.0	...	29.0	5
6	29.0	29.5	29.7	29.7	30.7	30.0	30.0	30.0				29.5	29.5	29.5	...	29.2	6
7	28.7	29.0	29.5	29.0	29.5	30.0	29.0	29.0				29.5	28.0	28.0	...	28.6	7
8	30.3	30.0	30.5	30.3	30.0	31.5	30.0	30.0				30.0	30.0	28.0	...	29.8	8
9	31.5	30.3	32.5	31.5	31.5	33.0	32.7	33.0				32.0	31.5	30.0	...	31.3	9
10	33.0	30.3	32.5	30.5	30.0	33.3	33.5	32.7	33.0		32.5	32.7	32.3	31.5	...	31.5	10
11	32.5	29.5	29.5	29.0	28.5	32.0	30.5	30.5	34.0		32.0	31.5	31.5	30.0	...	30.2	11
Noon	31.0	27.5	27.0	26.5	27.0	28.0	25.5	28.0	32.0		31.5	30.0	30.0	27.5	...	28.1	Noon
13h	29.5	26.5	25.5	26.7	26.5	26.5	25.5	26.5	30.5		31.0	28.3	30.0	27.0	...	26.8	13h
14	28.7	25.5	25.0	26.7	26.0	26.0	25.5	24.3	29.5		30.7	28.5	30.0	27.0	...	26.3	14
15	27.5	25.7	25.5	26.3	25.5	26.3	25.5	21.3	28.3		29.5	28.0	29.0	28.0	...	26.1	15
16	27.5	26.5	26.0	27.0	26.3	26.3	26.5	25.0	27.0		28.7	27.0	28.5	28.0	...	26.7	16
17	28.0	27.5	27.0	28.5	27.5	27.5	28.0	27.5	26.7		29.0	27.5	28.7	29.3	...	27.8	17
18	28.7	28.5	28.5	29.3	28.3	29.0	29.0	28.7	28.0		29.7	29.0	30.0	30.0	...	28.9	18
19	29.0	29.0	28.7	29.5	29.0	29.7	30.0	29.5	29.7		30.0	29.3	30.3		...	29.5	19
20	29.3	29.3	29.0	29.3	29.5	29.7	30.0	29.7	30.0		30.0	29.5	30.0		...	29.5	20
21	29.3	29.3	29.0	30.3	29.5	29.5	30.0	29.7	30.0		30.0	30.0	31.0		...	29.7	21
22	29.5	29.3	29.0	29.5	29.7	29.3	29.5	29.5	30.0		30.0	30.0	30.3		...	29.5	22
23	29.5	29.3	29.3	29.0	31.0	29.0	29.5	29.5	29.7		30.0	30.0	30.0		...	29.5	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).

APRIL, 1943.

.22000 + (C.G.S. Unit)

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
Midnight	374	387	398	390	398	392	392	407	408	420	Lights weak, dots not seen.	367	401	413	413	405	Midnight
1h	392	390	400	399	401	391	399	410	408	419		377	403	413	420	416	1h
2	391	392	409	400	401	409	400	402	410	416		374	402	412	421	415	2
3	401	395	407	405	407	415	402	407	412	419		388	401	418	422	411	3
4	390	401	422	418	409	408	419	411	417	419		395	403	419	422	424	4
5	Lights Extinguished	417	426	410	419	399	414	412	420	419		395	409	420	426	428	5
6		407	413	404	406	400	410	415	420	420		398	410	421	429	425	6
7		407	423	405	400	409	412	415	421	421		399	412	420	432	430	7
8		406	411	412	410	408	419	420	425	420		399	414	420	433	438	8
9		402	404	402	409	417	419	421	429	410		400	418	419	433	438	9
10		398	410	395	406	422	421	420	430	406		401	421	418	431	435	10
11		398	381	401	408	426	431	421	431	401		410	427	420	435	420	11
Noon	408	401	399	409	403	435	429	422	439	395		421	429	424	450	430	Noon
13h	391	405	415	411	402	400	430	421	438	392		420	427	424	447	432	13h
14	375	399	391	409	391	383	427	417	426	371		409	422	420	436	418	14
15	369	390	375	386	391	381	420	409	421	347		400	418	419	430	413	15
16	360	384	371	390	399	351	409	403	420	Lights weak, no dots.	350	397	416	418	422	402	16
17	364	381	372	398	400	370	391	408	421		359	392	417	422	418	398	17
18	363	379	390	390	389	385	389	409	428		359	398	418	423	419	399	18
19	360	389	389	398	392	370	402	410	423		355	400	415	422	419	403	19
20	359	390	396	383	379	371	392	410	420		349	400	410	421	420	407	20
21	370	396	373	374	400	377	399	409	419		348	401	411	419	410	411	21
22	375	395	403	365	388	384	400	405	419		357	402	412	419	415	412	22
23	392	393	386	394	383	388	390	405	418		366	400	412	418	413	408	23

.22000 + (C.G.S. Unit)

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Hour \ Day
Midnight	414	Lights weak	Lights weak	411	415	398	401	412	414	412	361	402	431	398	...	401	Midnight
1h	416			412	409	398	404	412	416	419	390	402	409	398	...	404	1h
2	417			416	412	400	412	416	418	409	381	403	411	394	...	405	2
3	417			418	416	402	410	418	419	402	385	405	410	400	...	407	3
4	418			419	415	404	410	417	421	419	382	409	418	400	...	412	4
5	422			420	428	409	411	420	423	418	387	411	414	406	...	414	5
6	425			421	410	410	412	421	428	410	402	412	410	410	...	413	6
7	424			425	404	417	417	426	432	412	407	413	418	415	...	415	7
8	429			429	417	421	413	429	433	406	401	415	422	400	...	417	8
9	432			435	417	421	412	429	429	389	405	421	422	411	...	417	9
10	438			432	402	420	417	431	428	371	400	423	417	423	...	416	10
11	429			433	410	414	429	433	419	378	400	428	402	419	...	416	11
Noon	432		442	440	410	419	430	433	430	375	403	430	407	419	...	420	Noon
13h	430		431	438	416	406	421	422	428	358	403	428	400	414	...	417	13h
14	421		421	429	410	403	419	415	420	348	395	416	391	372	...	407	14
15	Lights weak		410	413	363	399	413	410	419	340	389	405	366	384	...	400	15
16			409	398	391	399	412	409	411	338	390	404	390	390	...	396	16
17			409	408	403	400	410	410	402	348	392	409	369	386	...	396	17
18			409	416	368	402	413	411	407	355	394	415	395	394	...	400	18
19			411	418	379	401	414	415	401	356	391	420	398	399	...	401	19
20			414	408	391	401	418	415	398	356	399	421	399	399	...	400	20
21			413	407	392	401	415	417	400	345	400	423	396	398	...	400	21
22			413	411	390	402	415	417	404	350	400	426	399	397	...	401	22
23			410	412	391	402	412	417	410	356	405	430	391	397	...	401	23

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

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

APRIL, 1943.

.29000 + (C.G.S. Unit)

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour
Midnight	1003	1002	1000	1002	1000	1001	1002	999	997	994	999	1010	1002	1000	997	997	Midnight
1h	1003	1002	1000	1000	998	1001	1000	999	997	994	1005	1007	1001	1000	997	997	1h
2	1002	1002	998	999	998	998	1000	999	997	994	1003	1006	1001	1001	997	997	2
3	995	1001	1000	997	997	997	996	998	996	993	997	1004	1001	1001	997	997	3
4	1002	1001	997	997	997	998	996	997	995	993	997	1002	1001	1000	997	997	4
5	1002	1001	996	999	996	1000	996	997	994	993	997	1002	1000	1000	997	997	5
6	1003	1000	1000	1000	998	999	999	997	995	993	996	1001	999	999	997	997	6
7	1004	1003	997	998	1001	999	997	999	996	993	996	1001	999	998	996	995	7
8	1005	1007	1006	1003	1004	1002	1001	1002	1002	997	997	1005	1005	1001	1002	998	8
9	1006	1010	1010	1010	1007	1004	1006	1000	1003	997	1003	1006	1011	1002	1003	999	9
10	1007	1008	1013	1008	1007	998	1005	997	997	1000	1001	1006	1011	999	999	996	10
11	1007	1007	1006	1002	1002	993	994	986	981	995	998	1000	1004	993	994	988	11
Noon	1007	1010	996	993	990	981	988	977	968	990	997	992	996	986	988	974	Noon
13h	1007	995	990	986	983	977	987	974	964	987	997	985	993	984	988	972	13h
14	1007	994	992	983	984	986	986	975	965	984	998	981	994	984	998	979	14
15	1008	996	993	985	989	991	990	983	969	986	998	982	997	985	990	983	15
16	1007	997	993	990	993	995	995	988	977	999	1000	985	999	990	993	987	16
17	1007	1000	996	992	995	1000	998	991	985	1004	1001	992	1000	995	995	993	17
18	1007	1003	999	996	1001	998	1000	992	989	1003	1004	997	1000	996	997	999	18
19	1007	1005	1003	999	1003	1001	1000	994	990	1004	1006	999	1000	996	997	998	19
20	1008	1003	1003	999	1004	1003	1001	997	992	1004	1008	1000	1000	996	997	999	20
21	1007	1003	1003	1002	1003	1004	1002	997	993	1006	1010	1001	1000	997	999	999	21
22	1007	1002	1000	1005	1003	1004	1002	998	993	1004	1010	1000	1000	997	998	997	22
23	1003	1001	1002	998	1003	1003	1003	998	995	1007	1008	1001	1000	997	997	997	23

.29000 + (C.G.S. Unit)

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day \ Hour
Midnight	997	998	996	995	995	999	999	993	996	995	1006	999	994	998	...	999	Midnight
1h	996	997	995	994	996	998	998	993	996	996	1000	999	996	997	...	998	1h
2	996	997	995	993	995	997	997	993	996	994	1002	999	996	996	...	998	2
3	997	997	995	993	995	997	996	992	995	993	1001	999	996	996	...	997	3
4	996	997	996	993	996	997	995	992	994	992	1001	996	996	997	...	997	4
5	997	997	997	994	995	997	996	992	993	991	998	998	997	999	...	997	5
6	998	999	997	995	996	997	996	992	992	987	998	997	996	997	...	997	6
7	997	999	998	996	996	997	995	991	992	991	1000	997	996	996	...	997	7
8	1003	1000	1003	1002	1000	1003	1000	996	997	1000	1002	1000	999	1000	...	1001	8
9	1003	999	1004	1003	1002	1003	1003	999	999	1012	1004	1003	1000	1002	...	1004	9
10	1003	996	1000	1000	999	997	1002	995	993	1014	1002	1001	1001	997	...	1002	10
11	997	988	984	994	993	986	990	986	983	1006	997	995	997	987	...	994	11
Noon	988	982	970	987	986	977	976	977	973	1003	994	991	996	982	...	987	Noon
13h	986	978	972	986	983	976	974	977	977	1003	995	990	995	983	...	985	13h
14	988	981	975	989	983	979	973	976	979	1003	996	989	995	987	...	986	14
15	992	984	976	989	983	980	976	977	977	1000	994	987	993	992	...	988	15
16	995	989	983	993	986	982	981	981	982	1001	994	987	994	991	...	991	16
17	998	995	989	996	989	987	987	987	987	1003	996	993	997	994	...	995	17
18	999	999	996	998	996	993	992	993	992	1004	998	996	1001	998	...	998	18
19	1000	999	997	998	1002	996	993	993	993	1005	999	996	1001	996	...	999	19
20	1000	1000	998	999	1002	998	994	994	995	1006	999	996	1000	998	...	1000	20
21	1000	999	998	1001	1002	1000	995	995	995	1007	999	996	1002	998	...	1000	21
22	1000	998	997	999	1003	1000	995	995	995	1008	999	995	999	998	...	1000	22
23	999	997	997	996	1006	999	995	996	996	1007	999	995	999	997	...	1000	23

TABLE VI.-RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION VACOAS(424.5 metres above mean sea level) during the Month of APRIL, 1943.

Month and day 1943.	Observations at 10 a.m.									Temperature of the Air							Rainfall		Duration of Bright Sunshine	Percentage of Possible Sunshine.
	Atmospheric Pressure	Temperature of the Air	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. 100)	Vapour Pressure	Direction	Velocity	Amount of Cloud (Scale 0 - 10)	3h	9h	15h	21h	Daily Maximum	Daily Minimum	Daily Range	Amount recorded by the Casella Pluviograph.	Duration		
APRIL	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms	mins	hrs.	%
1	968.5	24.5	2.4	20.8	77	24.6	70	0.5	5	20.0	24.1	21.9	19.8	27.0	18.9	8.1	5.0	120	4.8	41
2	969.5	23.1	2.2	19.7	81	23.0	80	4.5	5	19.6	22.7	25.2	19.7	26.8	19.0	7.8	...	...	10.3	87
3	969.0	24.5	3.3	19.3	73	22.4	85	3.6	4	19.4	23.6	24.5	20.7	26.7	19.3	7.4	...	...	7.0	60
4	967.4	24.2	3.3	19.0	73	22.0	70	1.3	0	19.5	23.5	26.0	19.7	27.8	19.0	8.8	...	...	8.9	76
5	967.5	23.3	3.4	17.9	72	20.5	110	3.1	4	17.0	22.6	24.9	19.3	26.6	17.0	9.6	0.3	5	10.7	91
6	968.9	23.6	2.9	19.0	76	22.0	90	3.6	5	18.4	23.0	24.5	20.3	26.2	18.0	8.2	...	...	10.6	90
7	969.3	23.9	2.5	20.0	79	23.4	90	5.4	7	19.8	22.9	24.7	20.7	26.2	19.4	6.8	0.4	10	9.7	83
8	968.3	24.1	3.7	18.2	70	20.9	90	4.9	4	20.0	23.0	25.7	20.5	26.3	19.5	6.8	...	...	10.7	92
9	968.4	23.6	3.8	17.5	69	20.0	100	4.5	5	18.7	22.8	24.3	20:1	26.0	18.1	7.9	0.7	10	9.5	82
10	968.1	23.0	2.4	19.2	79	22.2	110	4.5	8	18.6	22.3	24.0	19.7	25.7	16.7	7.0	6.3	60	9.2	79
11	968.8	23.0	2.4	19.2	79	22.2	100	4.5	4	16.4	22.2	23.0	20.7	25.3	18.0	7.3	...	...	8.6	74
12	969.5	24.0	2.3	20.4	81	24.0	90	4.5	5	19.7	23.6	22.5	20.6	25.6	19.6	6.0	7.5	40	7.3	63
13	969.4	24.0	2.6	19.9	78	23.2	75	4.0	4	20.4	23.3	24.4	20.8	26.0	19.9	6.1	2.3	25	9.4	62
14	969.3	24.2	2.5	20.3	79	23.8	70	2.7	6	20.2	23.5	24.7	21.5	26.7	20.0	6.7	...	...	6.5	56
15	969.5	24.5	2.9	19.9	75	23.2	90	2.7	7	20.2	23.7	24.4	20.6	27.0	20.0	7.0	...	...	5.7	50
16	969.7	24.3	3.1	19.6	75	22.8	45	2.7	4	19.7	23.6	24.4	20.6	23.3	19.7	3.6	...	...	8.4	73
17	969.5	23.7	2.6	19.6	78	22.8	70	3.1	4	20.2	23.0	25.5	21.2	27.3	20.0	7.3	1.0	15	8.2	71
18	970.0	23.6	2.4	19.8	79	23.1	70	2.7	6	20.5	22.9	24.5	20.6	26.8	20.3	6.5	...	...	7.9	80
19	969.9	24.0	2.6	19.9	78	23.2	55	3.1	6	19.8	20.8	23.6	20.8	27.1	19.7	7.4	...	...	5.4	47
20	970.1	23.7	3.6	17.9	70	20.5	70	2.2	4	19.4	22.9	25.7	20.6	27.7	18.8	8.9	...	...	7.6	67
21	970.0	24.3	2.9	19.7	76	23.0	45	0.9	5	19.2	23.5	24.0	19.7	27.3	18.9	8.4	4.8	180	6.9	60
22	969.2	23.1	2.5	19.2	78	22.2		Calm	5	18.7	22.5	22.0	18.9	26.9	18.5	8.4	26.6	140	6.0	53
23	967.9	23.0	3.1	18.1	74	20.8		Calm	7	17.5	22.2	24.8	20.6	26.7	16.8	9.9	...	...	10.7	93
24	967.1	22.2	2.8	18.0	77	20.6	130	4.9	7	20.1	21.7	20.0	18.6	23.5	19.1	4.4	6.0	225	3.5	31
25	967.9	22.2	4.6	14.4	54	14.4	130	4.0	8	17.6	21.2	21.7	15.2	23.6	16.8	6.8	...	...	8.9	79
26	969.2	20.3	1.6	17.7	85	20.3		Calm	9	14.8	19.7	22.2	19.1	24.0	14.0	10.0	0.6	10	4.7	42
27	968.5	20.0	0.8	18.7	92	21.6	100	5.4	10	18.0	19.5	21.9	19.1	23.0	18.0	5.0	0.1	5	7.6	67
28	970.3	21.0	0.9	19.6	92	22.8	70	5.4	8	19.0	20.3	22.7	19.5	24.0	18.7	5.3	5.2	140	4.1	36
29	972.3	18.4	0.7	17.2	92	19.6	90	6.3	10	18.5	18.3	19.9	18.8	21.3	18.0	3.3	23.9	375	0.2	2
30	970.7	20.6	1.7	19.5	94	22.7	90	6.7	8	18.7	20.2	21.6	18.5	22.7	18.4	4.3	1.6	25	8.2	72
..	...	...	...	...	..	...	..	...	..	...	...	...	...	...	...	...	...	...	...	..
Mean	969.2	23.1	2.6	19.0	77.8	22.0	..	3.4	5.8	19.1	22.3	23.6	19.9	25.7	18.4	7.3	92.5	1385	7.57	66.0
Average	966.6	23.3	2.0	20.3	63.2	23.8	..	4.2	6.4	...	...	...	...	25.3	19.3	6.0	287.1	...	6.50	56.4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+ 41.8 mbs.	Amount of Rain	- 11.6 mms.
Temperature of the Air	+ 2.6°C.	Duration of Sunshine	+ 29.3 hrs.
Vapour Pressure	+ 2.7 mbs.	Mean of Maximum Temperatures	+ 1.7°C.
Relative Humidity	- 3.0%	Mean of Minimum Temperatures	+ 1.9°C.
Velocity of Wind	+ 0.1 m.p.s.	Absolute Maximum Temperature	+ 0.6°C.
Amount of Cloud	0.0	Absolute Minimum Temperature	+ 0.9°C.

Greatest Rainfall Intensity 13.6 mms. in 58 mins.

TABLE VII.-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of APRIL, 1943.

Month and Day 1943	Atmospheric Pressure		Temperature of the Air.					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point		Relative Humidity (Sat. = 100)		Vapour Pressure	Minimum on the Grass	Rainfall		Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
	Mean	Excess above Average	Daily Maximum	Daily Minimum	Daily Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Dines Pluviograph	Duration		
APRIL	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs.	°C	mms.	min.	mms.	
1	1009.6	+ 3.1	27.7	20.0	7.7	24.0	- 0.8	2.0	21.0	- 0.5	84	+ 2	24.9	16.6	0.3	20	5.4	6.4
2	1010.5	+ 4.0	27.6	20.4	7.2	23.7	- 1.1	2.5	19.8	- 1.7	79	- 3	23.1	16.4	0.0	..	3.8	2.8
3	1009.3	+ 2.7	28.3	20.8	7.5	24.3	- 0.4	2.1	21.1	- 0.3	82	0	25.0	16.1	0.0	..	5.6	2.3
4	1007.7	+ 1.0	28.0	20.6	7.4	23.9	- 0.8	2.4	20.2	- 1.2	80	- 2	23.7	16.0	0.0	..	5.4	3.0
5	1007.7	+ 0.9	28.0	19.1	8.9	23.2	- 1.5	2.6	19.1	- 2.3	78	- 4	22.1	14.2	0.0	..	4.8	2.5
6	1010.0	+ 3.1	27.6	20.1	7.5	23.5	- 1.1	2.3	19.9	- 1.4	80	- 2	23.2	15.4	0.1	5	5.1	2.3
7	1010.4	+ 3.4	27.9	21.2	6.7	23.9	- 0.7	2.2	20.5	- 0.6	81	- 1	24.1	16.2	0.0	..	5.5	4.5
8	1009.9	+ 2.9	27.6	21.2	6.4	23.9	- 0.6	2.5	20.0	- 1.2	79	- 3	23.4	16.9	1.4	30	5.2	2.5
9	1008.8	+ 1.7	27.8	19.2	8.6	23.6	- 0.9	2.9	19.0	- 2.2	76	- 6	22.0	15.0	0.1	5	5.5	4.4
10	1008.6	+ 1.4	27.2	19.9	7.3	23.4	- 1.0	2.6	19.3	- 1.8	78	- 4	22.4	14.7	1.3	50	4.8	4.5
11	1010.1	+ 2.9	27.7	18.9	8.8	23.1	- 1.3	2.1	19.9	- 1.2	82	0	23.2	13.7	2.9	50	5.0	3.5
12	1010.8	+ 3.5	27.9	20.9	7.0	23.7	- 0.6	1.7	21.2	+ 0.2	86	+ 4	25.2	17.6	0.5	35	5.5	4.7
13	1010.1	+ 2.8	27.9	22.1	5.8	24.2	- 0.1	1.7	21.7	+ 0.7	86	+ 4	26.0	18.6	0.1	5	4.8	4.1
14	1009.9	+ 2.5	28.1	21.6	6.5	24.4	+ 0.2	1.8	21.7	+ 0.8	85	+ 3	26.0	18.0	0.5	30	4.8	5.3
15	1010.3	+ 2.8	27.5	21.4	6.1	23.8	- 0.4	1.4	21.7	+ 0.8	88	+ 6	26.0	17.7	1.4	40	3.9	4.9
16	1010.8	+ 3.3	28.1	21.0	7.1	24.0	- 0.1	2.0	21.0	+ 0.2	84	+ 3	24.9	17.1	0.1	5	4.6	3.3
17	1010.6	+ 3.0	28.2	21.3	6.9	24.4	+ 0.4	1.9	21.5	+ 0.6	84	+ 3	25.6	17.2	0.0	..	5.7	4.5
18	1010.7	+ 3.0	28.3	22.0	6.3	24.4	+ 0.4	1.8	21.7	+ 1.0	85	+ 4	26.0	17.6	0.1	10	5.3	5.0
19	1011.3	+ 3.5	28.2	21.3	6.9	24.2	+ 0.3	1.9	21.3	+ 0.8	84	+ 3	25.3	16.9	0.0	..	5.4	3.4
20	1011.6	+ 3.7	26.0	19.9	6.1	23.5	- 0.4	2.3	19.9	- 0.6	80	- 1	23.2	14.5	0.0	..	5.5	3.2
21	1011.1	+ 3.2	28.3	19.4	8.9	23.5	- 0.3	2.1	20.3	- 0.1	82	- 1	23.8	14.9	3.9	255	4.3	5.7
22	1009.7	+ 1.7	28.1	19.7	8.4	22.7	- 1.1	1.1	21.0	+ 0.6	90	+ 9	24.9	17.0	49.5	215	2.6	6.3
23	1006.0	- 0.1	27.4	16.2	9.2	22.7	- 1.0	1.5	20.4	+ 0.1	87	+ 6	24.0	15.5	0.0	..	4.0	3.1
24	1007.5	- 0.7	27.3	21.4	5.9	23.0	- 0.7	2.2	19.6	- 0.7	81	0	22.8	16.0	3.0	220	4.5	7.9
25	1009.5	+ 1.3	26.0	16.9	7.1	21.7	- 1.9	3.0	16.9	- 3.3	74	- 7	19.2	14.7	0.6	75	3.6	5.5
26	1010.1	+ 1.8	25.0	14.9	10.1	20.0	- 3.5	1.5	17.6	- 2.5	86	+ 5	20.1	11.2	3.0	60	3.8	5.6
27	1009.5	+ 1.1	25.3	20.0	5.3	21.9	- 1.6	1.7	19.3	- 0.8	85	+ 4	22.4	16.4	0.8	45	2.2	7.1
28	1011.5	+ 3.0	26.7	21.0	5.7	23.0	- 0.4	2.1	19.8	- 0.2	82	+ 1	23.1	19.1	1.6	160	5.0	9.1
29	1012.5	+ 3.9	23.8	20.8	3.0	21.9	- 1.5	1.5	19.6	- 0.4	87	+ 6	22.6	19.1	9.7	595	1.9	9.0
30	1010.9	+ 2.2	25.6	20.1	5.5	22.8	- 0.5	2.9	18.2	- 1.7	75	- 6	20.9	16.6	0.0	..	3.2	3.6
..	...	...	...	...	...	...	...	...	...	...	..	..	...	...	....	..	...	...
Mean	1010.0	+ 2.4	27.4	20.3	7.1	23.3	- 0.8	2.0	20.1	- 0.6	82.3	+ 0.8	23.6	16.4	Sum 80.9	Sum 1920	4.6	4.7
Aver.	1007.6	...	27.6	21.1	6.5	24.1	...	2.3	20.7	...	81.5	...	24.4	18.3	126.4	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, 1943.

There were no cyclones. Anticyclonic conditions prevailed interrupted only on the 4th-5th and 21st-23rd by the effect of distant southerly lows.

Mean pressure was 2.4 mbs., above normal, being above except on the 23rd and 24th.

Temperature was 0.8°C below normal.

For the third month rainfall was defective, being 64% of the average. It was badly distributed, 61% of the total being recorded on one day, the 22nd.

Cloud amount was 11% below and sunshine 13% above normal. The other elements were about normal.

TABLE VII(Ctd.).-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of APRIL, 1943.

Month and day 1943	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	3.6	30	1.7	- 1.5	25.2	26.5	27.8	27.9			bc	:	c	:	$0r_o$	:	c
2	11.2	94	2.7	- 0.5	25.2	26.5	27.8	27.4			bc			:	b		
3	11.0	93	2.8	- 0.4	25.3	26.5	27.8	27.5	b_o	:	b	:	bc	:	b		
4	7.8	66	2.0	- 1.2	25.3	26.6	27.8	27.7	b_o	:	b	:	b	:	bc	:	c : bc
5	10.2	86	2.1	- 1.1	25.3	26.4	27.8	27.5			bc	:	b :	bc :			b
6	10.6	90	2.7	- 0.5	25.2	26.4	27.8	27.4	b_o	:	b	:	bc :	b :	bc	:	Cr_o : bc
7	10.1	86	3.1	- 0.1	25.3	26.4	27.7	27.2			bc			:	c	:	bc : b
8	11.2	96	3.0	- 0.3	25.3	26.6	27.7	27.3	bc	: Cr_o :	c	: bc	:			b	
9	9.8	84	2.7	- 0.6	25.3	26.6	27.6	27.2	b	:				bc			
10	10.1	86	2.8	- 0.5	25.3	26.7	27.6	27.2	bc	: Cr_or_o :	bc	: bcr_o :		bc	:	b	
11	8.8	75	2.8	- 0.5	25.2	26.6	27.5	27.0	b_o	:	b	:			bc		
12	10.3	88	2.9	- 0.4	25.3	26.6	27.5	27.0	bcr_o	:	b	:			bc		
13	10.6	91	3.1	- 0.2	25.3	26.5	27.4	27.1			bc		:	c :	bc	:	b
14	9.0	78	2.9	- 0.4	25.4	26.5	27.5	27.2		b		: bc	:	c		: Cr_or_o :	bc
15	7.9	68	2.2	- 1.1	25.4	26.6	27.5	27.3		bc		: Cr_or_o :		c :	bc	:	b
16	11.2	97	2.5	- 0.8	25.3	26.6	27.5	27.2	b	:	bc	: c	:	bc		:	b
17	11.1	96	2.7	- 0.6	25.3	26.5	27.5	27.2	b	:	bc	: c	:	bc		: b	: bc
18	8.8	76	2.4	- 0.9	25.3	26.6	27.5	27.2	bc :	b :	bc	:	c	:	bc	: c	: bc
19	10.7	93	2.6	- 0.7	25.3	26.3	27.5	27.2		b		:		bc		:	b
20	9.5	83	2.4	- 0.9	25.3	26.2	27.5	27.1		b		:		bc			: b
21	8.0	70	1.8	- 1.5	25.4	26.3	27.4	27.0			b		:	c :	$0r_o$	:	0rr
22	5.0	44	1.5	- 1.8	25.4	25.4	27.4	27.0	c :	bc		: c	:	bc :	0	: 0rr :	c
23	9.6	84	1.9	- 1.4	25.4	26.2	27.3	26.4		bc		: b	:	bc :	c	:	bc : b
24	5.9	51	2.9	- 0.4	25.4	26.4	27.2	26.4		bc		: c	:	0 :	$0r_or_o$	:	0rr : 0
25	8.6	75	3.2	- 0.1	25.4	26.2	27.0	26.1	$0r_or_o$:	C :	bc	: c	:	bc		:	c : Cr_or_o
26	4.4	39	1.6	- 1.7	25.4	26.3	26.9	25.9	bc :		b	: Cr_o	:	Crr :	c	:	bc : c
27	6.3	55	3.5	+ 0.2	25.4	26.5	26.7	25.4	$0r_o$:		c		:	Cr_o :	c	:	bc
28	7.0	61	4.5	+ 1.2	25.4	26.4	26.6	25.6	C :	0 :	c :	bc :	c	:	0r	:	$0r_or_o$
29	0.4	4	4.4	+ 1.1	25.4	26.2	26.5	25.6		$0r_or_o$:	0rr :	$0r_or_o$:		0		: C	: bc
30	7.6	67	3.6	+ 0.3	25.4	26.4	26.5	25.4		b	: bc :		C	:	bc	: b	: b_o
..	...	..	...	...	...	...	...	...									
Mean	8.55	73.5	2.70	- 0.58	25.32	26.45	27.39	26.89					...				
Aver.	7.55	65.0	3.28	...	25.57	26.90	27.87	26.91									
Col.	19	20	21	22	23	24	25	26					27				

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF APRIL, 1943.

Element	Highest	Date	Lowest	Date
Atmospheric Pressure	1014.2mbs. at 10.00hrs.	on 29th.	1005.8mbs.	often
Temperature of the Air	28.3°C.	often	14.9°C at 06.15hrs.	on 26th.
Daily Range of Temperature of the Air	10.1°C	on 26th.	3.0°C	on 29th.
Temperature of the Dew Point ...	22.8°C at 09.00hrs.	on 15th	15.7°C at 18.00hrs.	on 25th.
Minimum on grass			11.2°C	on 26th.
Relative Humidity	98.9% at 07.00hrs.	on 18th.	58.5% at 13 & 14hrs.	on 21st.
Vapour Pressure	27.8mbs. at 09.00hrs.	on 15th.	17.8mbs. at 16.00hrs.	on 25th.
Evaporation in 24 hrs.	5.7mms.	on 17th.	1.9mms.	on 29th.
Wind Velocity	7.0m.p.s. at 13.00hrs.	on 28th.	0.7m.p.s.	often.
Rainfall in 24 hours	58.3mms. ending 18.00hrs.	on 22nd.		
Duration of sunshine	11.2hrs.	often	0.4hr.	on 29th.

Mean Day Temperature of Air 25.22°C. Mean Night Temperature of Air 21.48°C.

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 & over mms.	Lightning	Thunderstorms
...	11	15	4	...	10	8	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, 1943.

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	091	115	111	090	081	100	113	110	102	091	098	117	117	104	102	114	Midnight
1h	090	111	110	085	085	098	110	110	100	088	095	111	111	101	100	111	1h
2	086	106	103	080	080	096	107	105	093	087	090	108	106	098	099	107	2
3	085	101	099	078	078	093	103	100	090	082	089	102	101	092	099	103	3
4	083	101	098	076	076	091	100	099	087	080	087	100	100	090	095	100	4
5	085	102	099	079	079	091	100	100	086	078	089	100	099	091	096	101	5
6	091	103	100	080	080	095	101	101	087	085	090	103	100	094	100	107	6
7	094	109	105	082	082	100	106	108	091	087	099	109	103	100	102	110	7
8	100	112	109	088	088	103	110	109	092	091	102	112	106	107	108	113	8
9	104	116	110	088	088	110	116	111	096	092	109	113	110	110	113	116	9
10	104	115	110	087	087	110	115	111	095	092	109	114	109	111	115	119	10
11	101	110	103	080	080	110	111	109	091	090	106	111	104	104	112	117	11
Noon	097	104	095	072	072	102	104	101	086	081	101	106	100	098	105	110	Noon
13h	091	097	084	065	065	096	097	092	078	075	096	100	091	091	097	102	13h
14	086	092	078	060	060	089	090	082	072	071	091	095	087	082	091	096	14
15	087	089	070	058	058	087	087	080	070	070	089	093	082	083	090	092	15
16	088	090	070	058	058	088	086	080	070	070	091	093	083	084	091	093	16
17	091	091	071	060	060	090	090	081	076	075	096	101	090	090	099	098	17
18	096	098	075	065	065	095	098	086	080	081	101	106	096	096	101	101	18
19	101	103	081	070	070	102	102	092	086	089	109	112	102	100	105	109	19
20	106	109	088	080	080	110	110	100	092	096	113	119	110	107	110	113	20
21	112	114	092	086	086	116	111	106	096	100	119	121	110	111	112	121	21
22	114	119	092	088	088	117	115	108	097	101	120	122	106	111	117	123	22
23	115	118	091	083	083	115	111	107	095	100	119	122	107	110	117	121	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	Hour \ Day
Midnight	119	112	119	128	125	105	098	080	090	114	102	110	126	120	...	107	Midnight
1h	115	110	117	127	122	101	092	079	084	111	098	108	120	118	...	104	1h
2	111	109	113	122	120	099	089	071	085	107	097	102	121	111	...	100	2
3	108	104	110	116	112	098	082	069	078	101	090	102	120	110	...	097	3
4	106	100	109	114	110	096	080	067	080	099	085	101	120	109	...	095	4
5	103	102	108	116	109	095	080	065	082	099	082	102	112	108	...	095	5
6	107	103	109	115	112	099	080	063	087	100	083	110	122	110	...	097	6
7	107	110	115	119	119	102	083	070	091	102	089	115	138	113	...	102	7
8	110	117	117	124	122	107	089	080	099	108	099	119	138	119	...	107	8
9	112	120	119	125	123	108	093	087	101	112	101	121	140	120	...	109	9
10	114	118	119	124	122	107	093	080	106	108	105	126	142	121	...	110	10
11	112	111	114	121	118	101	090	079	101	105	101	123	139	118	...	106	11
Noon	103	103	110	111	110	093	083	071	099	103	091	119	131	113	...	099	Noon
13h	097	097	102	104	103	086	072	065	090	094	087	110	122	108	...	092	13h
14	089	090	098	099	099	080	069	065	084	086	079	105	118	094	...	086	14
15	086	089	095	098	099	079	065	064	082	086	080	102	114	092	...	084	15
16	091	092	098	099	100	081	064	068	083	088	083	109	115	094	...	085	16
17	095	098	103	102	100	090	066	069	089	090	087	110	118	099	...	089	17
18	099	103	110	109	104	096	070	076	092	093	091	116	115	101	...	094	18
19	105	110	113	115	109	096	076	078	099	099	096	120	119	107	...	099	19
20	111	115	120	121	113	099	080	082	108	100	102	130	122	111	...	105	20
21	116	120	125	123	112	100	082	082	114	109	114	132	129	113	...	110	21
22	120	120	128	125	110	102	082	084	119	106	113	135	131	112	...	111	22
23	116	120	128	127	107	101	081	095	116	107	112	130	128	110	...	110	23

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

APRIL, 1943.

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Mianight	5	4	0	0	2	0	2	1	0	6	0	5	6	1	8	1	2	4	1	3	2	6	3	6	10	0	10	10	10	3	..	3.7
1h	4	3	0	0	2	0	3	1	0	6	0	5	6	1	8	1	2	4	1	3	2	6	3	6	10	0	10	10	10	3	..	3.7
2	4	3	0	0	2	0	3	1	0	5	0	5	6	1	7	1	2	4	1	3	2	6	3	6	10	2	10	10	10	2	..	3.6
3	3	3	0	0	2	1	3	3	1	5	0	5	2	1	6	1	2	3	1	3	2	5	3	6	9	2	10	10	10	2	..	3.5
4	3	3	0	0	2	1	3	3	3	8	0	5	2	1	6	1	2	3	1	3	2	5	2	6	7	2	9	10	10	2	..	3.5
5	3	3	1	0	2	1	4	4	3	10	0	5	2	1	6	1	3	3	1	1	3	5	2	5	6	0	8	10	10	2	..	3.5
6	3	3	1	1	2	1	4	1	3	8	1	5	2	1	6	1	3	3	1	1	3	5	2	5	5	0	8	10	10	2	..	3.4
7	5	5	1	1	3	1	4	6	4	7	1	4	2	2	6	1	5	3	1	2	3	5	1	6	5	0	6	9	10	2	..	3.8
8	7	6	3	1	3	2	5	7	5	7	3	3	9	3	5	4	5	5	2	2	3	6	1	6	6	5	8	7	10	7	..	4.7
9	8	6	6	2	4	4	5	5	6	6	5	4	6	5	5	7	7	7	3	3	3	7	1	7	7	9	8	6	10	9	..	5.7
10	6	5	4	3	5	4	5	5	6	6	5	5	6	5	6	7	7	7	5	4	3	7	2	7	7	9	8	6	10	8	..	5.8
11	8	5	4	3	3	3	5	4	6	6	5	6	6	6	6	7	6	7	7	4	3	6	4	6	7	9	9	7	10	8	..	5.9
Noon	9	5	3	3	3	3	6	3	5	6	5	6	7	8	7	7	7	7	8	5	3	6	5	7	7	10	9	7	10	8	..	6.2
13h	9	5	4	4	4	2	6	3	6	6	5	9	7	8	7	5	6	7	7	5	7	9	8	8	6	9	9	8	10	7	..	6.5
14	8	5	4	5	5	4	6	3	6	4	6	7	7	7	6	5	6	7	7	5	9	9	8	10	6	8	9	9	10	7	..	6.6
15	6	3	3	7	6	4	6	3	6	4	6	7	7	7	5	3	6	6	6	5	9	9	6	10	5	7	9	10	10	6	..	6.3
16	8	1	3	7	4	3	7	2	5	3	6	5	6	7	4	3	5	7	5	5	9	10	5	10	5	7	7	10	10	5	..	5.8
17	9	0	2	8	3	3	8	1	4	2	5	2	5	8	5	4	4	6	4	5	8	10	4	10	4	6	5	10	10	3	..	5.4
18	9	0	3	8	3	5	8	1	4	2	6	2	5	8	4	4	4	8	3	4	9	9	4	10	4	8	4	10	10	1	..	5.3
19	9	0	4	9	1	4	6	1	5	1	6	3	4	8	3	3	2	9	3	2	10	6	1	10	2	7	4	10	9	1	..	4.7
20	7	0	2	4	0	2	2	1	6	1	4	2	3	9	1	3	2	3	3	2	10	6	1	10	2	6	2	10	5	0	..	3.6
21	7	0	2	2	0	2	2	1	6	1	4	1	3	9	1	3	6	3	3	2	10	3	1	10	2	6	2	10	5	0	..	3.6
22	6	0	2	2	0	2	2	0	6	1	4	1	4	9	1	3	6	3	3	2	10	3	1	10	2	8	2	10	5	0	..	3.6
23	5	0	2	1	0	2	2	0	6	1	4	1	4	8	1	3	6	3	3	2	10	3	1	10	2	8	2	10	5	0	..	3.5

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

APRIL, 1943.

Hour ENDING \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	..	0.0
7	30	25	30	38	36	18	34	32	7	25	0	11	20	14	0	35	30	15	29	35	20	6	40	20	10	36	0	0	0	8	..	10.1
8	60	60	60	60	60	60	60	60	60	60	57	30	60	50	0	60	60	50	60	60	60	60	60	60	0	60	12	45	0	55	..	25.0
9	45	60	60	60	60	60	60	60	60	60	56	60	60	60	12	60	60	45	60	60	60	48	60	50	38	10	12	60	0	13	..	24.5
10	45	60	60	60	60	60	60	60	57	19	50	60	60	60	60	60	60	60	60	60	60	60	60	30	60	10	30	60	0	60	..	26.0
11	10	60	60	60	60	60	60	60	60	54	60	60	60	50	60	60	60	60	60	60	60	6	60	60	60	40	35	60	0	42	..	26.0
Noon	0	60	60	60	60	60	60	60	60	60	60	60	60	60	45	60	60	60	60	60	60	60	60	60	60	10	36	60	0	0	..	25.5
13	21	60	60	60	60	60	60	60	46	60	60	60	60	60	60	60	60	60	60	60	60	55	60	60	60	23	45	60	0	10	..	26.3
14	5	60	60	60	46	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	50	4	45	15	60	32	60	43	0	60	..	25.0
15	0	60	50	8	45	60	60	60	60	60	50	60	50	60	60	60	60	60	60	60	0	1	55	0	60	30	60	30	6	60	..	22.6
16	0	60	60	0	60	50	60	60	60	60	44	60	57	30	40	60	60	35	60	30	30	0	45	0	60	12	30	0	15	60	..	19.9
17	0	60	50	4	30	55	14	60	60	60	35	60	60	25	60	60	55	25	54	25	20	0	30	0	46	0	30	0	0	60	..	17.5
18	0	45	30	0	35	35	16	40	0	25	0	35	26	2	30	35	40	0	16	0	0	0	0	0	4	0	30	0	0	30	..	8.0
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 256.4 hrs. and the Total Possible Sunshine was 348.3 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, 1943.

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	22.5	1.0	22.0	1.0	21.1	1.1	22.3	0.9	20.9	1.0	21.0	1.7	21.5	1.0	21.9	1.0	Mid-night
1h	22.1	1.5	21.6	0.9	21.0	1.1	22.2	1.0	20.6	0.9	20.6	1.5	21.7	1.0	21.6	0.8	1h
2	22.0	1.7	21.4	0.8	20.9	1.0	22.0	1.0	19.9	0.8	20.6	1.3	22.1	1.1	21.4	0.7	2
3	21.2	1.5	20.9	0.9	21.2	0.9	21.6	1.0	19.2	0.6	20.4	1.1	21.9	1.1	22.0	0.9	3
4	21.0	1.7	20.7	1.1	21.9	0.9	21.2	1.1	19.6	0.7	20.6	1.1	21.5	0.9	21.4	0.7	4
5	20.8	1.7	20.6	1.1	21.9	0.8	20.7	1.0	19.3	0.8	20.6	0.8	21.2	1.0	21.8	0.6	5
6	20.7	1.7	21.0	1.0	21.9	0.9	21.0	1.2	19.3	0.9	21.0	0.9	21.7	1.0	21.2	0.7	6
7	21.2	1.6	21.5	0.4	22.7	0.5	21.6	0.9	20.1	1.0	22.0	1.0	22.1	0.8	22.0	0.4	7
8	24.5	2.0	24.4	1.7	24.6	1.2	24.3	2.2	23.7	1.8	24.1	1.8	24.7	1.9	24.1	1.5	8
9	25.9	2.0	25.3	3.1	26.0	2.8	25.9	3.6	25.3	2.3	25.1	2.9	25.2	2.5	25.1	2.9	9
10	27.0	3.0	26.1	3.7	26.8	3.3	26.5	4.4	26.2	5.0	26.4	3.4	26.6	3.8	26.0	3.4	10
11	27.1	2.6	26.9	4.4	27.6	3.8	27.2	4.1	26.3	5.0	26.8	4.5	26.8	3.8	26.9	4.9	11
Noon	27.1	3.1	27.0	4.2	27.9	3.9	27.2	4.2	27.3	5.3	26.9	4.8	27.2	4.0	27.1	5.1	Noon
13h	27.1	3.3	27.0	4.4	28.0	4.4	27.9	4.9	27.8	5.5	27.3	5.3	27.1	4.0	27.2	5.1	13h
14	27.1	3.3	27.2	4.4	27.2	3.7	27.3	4.6	27.0	4.0	27.3	5.0	27.1	4.1	27.1	5.3	14
15	26.6	3.0	27.2	5.0	27.6	4.1	26.6	3.8	27.6	4.3	26.9	4.7	26.9	4.1	27.1	5.3	15
16	25.9	2.4	27.1	5.1	27.0	3.9	25.7	3.6	27.6	4.5	26.7	3.7	26.2	3.9	26.7	4.8	16
17	25.2	2.3	26.0	4.7	26.3	3.3	25.3	3.1	26.3	3.8	25.5	3.3	25.2	3.0	25.6	3.8	17
18	24.8	2.0	24.0	2.6	24.9	2.0	24.7	2.4	24.6	3.3	24.4	2.3	24.3	2.3	24.1	3.0	18
19	23.9	1.6	22.6	2.0	23.9	1.4	24.0	1.3	22.8	2.6	23.2	1.3	23.3	1.7	23.0	2.0	19
20	23.4	1.4	22.1	1.6	23.6	1.3	23.7	1.6	21.2	1.8	22.3	1.3	23.0	1.8	23.0	2.0	20
21	23.1	1.1	22.0	1.4	23.1	1.1	22.2	1.2	21.1	1.9	21.9	1.3	22.9	1.7	22.9	2.0	21
22	23.1	0.9	21.8	1.2	22.8	1.0	21.6	1.6	21.8	2.2	21.7	1.4	22.4	1.3	22.2	1.4	22
23	22.5	1.1	21.6	1.3	22.9	1.1	21.2	1.3	20.9	1.8	21.7	1.1	22.0	1.0	21.6	1.3	23

Day / Hour	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	21.5	1.4	22.1	2.2	19.9	1.6	22.0	0.8	22.1	0.9	22.1	1.0	22.9	0.8	21.9	0.9	Mid-night
1h	21.6	1.5	21.2	2.0	19.3	1.0	21.6	0.6	22.1	0.5	22.0	0.9	22.2	0.5	21.9	0.8	1h
2	20.7	1.1	22.0	1.9	19.1	1.0	21.3	0.5	22.6	0.6	22.1	1.0	22.1	0.7	21.6	0.7	2
3	20.2	1.1	21.5	1.5	19.1	1.1	21.1	0.7	22.3	0.4	22.0	0.9	22.1	0.7	21.1	1.0	3
4	20.6	1.5	21.3	1.3	19.3	1.0	21.1	0.9	22.4	0.4	22.0	0.9	22.0	0.9	21.1	1.0	4
5	19.9	1.0	20.3	1.1	19.1	1.1	21.1	0.7	22.7	0.7	22.0	0.8	21.7	0.7	21.3	0.5	5
6	19.9	0.9	21.1	1.0	19.0	1.1	21.1	1.0	22.1	0.5	21.9	0.8	21.7	0.7	21.3	0.5	6
7	20.3	0.7	21.9	0.8	19.8	0.9	21.5	0.5	22.8	0.7	22.0	0.3	21.7	0.5	22.1	0.4	7
8	24.3	2.2	24.7	2.5	23.9	1.8	22.5	0.6	24.7	1.6	24.3	1.1	23.0	0.7	24.3	1.2	8
9	25.1	3.1	25.1	3.0	25.3	2.7	24.7	1.1	26.0	2.8	26.1	2.4	24.0	0.8	25.9	2.8	9
10	26.3	4.6	24.4	2.3	26.0	3.6	25.9	2.7	26.7	3.0	27.0	2.9	25.9	2.0	26.9	3.5	10
11	27.0	5.0	25.1	3.0	25.7	3.2	26.9	3.5	27.0	3.6	27.3	3.3	25.4	1.5	27.0	3.5	11
Noon	27.4	5.2	26.9	4.7	26.7	3.8	27.1	3.7	27.1	4.3	27.3	3.3	25.5	1.9	27.2	4.2	Noon
13h	27.1	5.0	27.0	4.8	27.1	4.2	26.9	3.3	27.3	3.6	27.9	4.3	26.7	3.6	27.7	4.1	13h
14	27.2	5.6	27.0	5.3	27.6	5.1	26.5	3.0	27.0	3.0	28.1	4.0	27.2	3.7	27.6	4.1	14
15	27.0	5.0	26.6	4.6	27.9	5.2	26.5	3.1	26.3	3.0	27.5	3.8	26.9	3.7	27.3	4.2	15
16	26.2	4.6	26.1	5.1	26.0	3.0	26.1	3.1	26.0	2.4	26.1	2.8	26.2	3.1	26.7	3.7	16
17	25.6	4.6	25.2	4.1	25.1	2.6	25.0	3.1	25.1	1.6	25.9	2.7	25.7	2.6	26.0	3.7	17
18	24.1	3.4	24.2	2.9	24.3	2.2	24.2	1.5	24.4	1.5	25.1	1.9	24.7	1.6	24.9	2.3	18
19	23.0	2.3	22.5	1.6	23.1	1.1	23.1	1.2	23.7	1.5	24.1	1.1	23.9	1.1	24.0	1.8	19
20	22.4	2.1	22.2	1.5	23.0	0.9	23.0	1.1	23.0	1.0	23.8	0.9	23.0	0.9	23.1	1.2	20
21	22.4	2.0	21.5	1.5	22.8	0.9	22.9	1.1	22.9	1.1	23.6	0.7	22.8	0.8	22.3	0.9	21
22	22.7	2.9	21.3	1.6	22.8	0.6	22.6	1.0	22.3	0.7	23.0	0.7	22.6	0.7	22.2	0.9	22
23	22.6	2.7	20.6	1.7	21.8	0.2	22.2	1.5	22.2	0.8	22.3	0.6	22.0	0.8	22.0	1.0	23

TABLE XI(Cto.).-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, 1943.

Day / Hour	17d. Air	17d. Excess of air over Evap.	18d. Air	18d. Excess of air over Evap.	19d. Air	19d. Excess of air over Evap.	20d. Air	20d. Excess of air over Evap.	21d. Air	21d. Excess of air over Evap.	22d. Air	22d. Excess of air over Evap.	23d. Air	23d. Excess of air over Evap.	24d. Air	24d. Excess of air over Evap.	Day / Hour
Midnight	21.6	0.9	23.3	0.7	22.2	0.6	21.6	1.1	21.1	1.0	22.2	0.4	19.6	0.6	21.2	0.5	Mid-night
1h	21.6	0.8	23.1	0.7	22.1	0.9	21.2	1.0	21.0	0.9	22.2	0.4	19.3	0.5	21.6	0.9	1h
2	21.6	0.8	22.7	0.7	21.7	0.9	20.5	0.9	20.6	1.0	21.2	0.3	19.1	0.5	21.8	0.9	2
3	21.3	0.7	22.3	0.6	21.6	0.9	20.9	0.9	20.4	0.8	21.1	0.7	18.8	0.4	21.7	0.6	3
4	21.9	0.6	22.1	0.6	21.4	0.6	20.2	0.6	20.2	0.9	21.0	0.8	18.6	0.4	21.7	0.9	4
5	21.5	0.6	22.1	0.6	21.5	0.8	20.1	1.0	20.1	0.9	21.0	0.9	18.6	0.5	21.8	1.0	5
6	21.6	0.6	22.1	0.6	21.5	0.8	20.0	0.9	20.0	1.9	20.6	0.8	18.6	0.5	21.8	1.0	6
7	22.3	0.3	22.1	0.1	21.9	0.6	20.3	0.7	20.3	0.6	20.6	0.7	19.5	0.7	22.1	1.2	7
8	24.7	1.5	25.1	1.2	24.9	1.6	24.1	1.8	24.1	1.4	23.1	0.9	23.0	1.2	23.7	2.3	8
9	26.1	3.0	25.9	2.2	25.9	2.0	25.7	3.0	25.6	2.7	24.7	1.7	24.2	1.4	24.6	3.1	9
10	26.2	3.0	27.0	3.6	26.6	2.9	26.4	3.7	26.4	3.5	25.4	2.3	25.9	2.4	25.7	4.1	10
11	27.0	3.0	27.3	3.3	27.2	3.2	27.1	4.5	27.3	4.3	25.3	1.6	26.2	2.5	26.2	4.6	11
Noon	27.1	3.5	27.6	4.0	27.9	4.0	27.0	4.9	27.9	5.0	27.6	3.2	27.0	3.1	27.0	5.4	Noon
13h	27.9	4.2	27.6	3.9	28.0	4.3	27.5	4.7	28.0	5.8	27.2	3.2	27.0	3.1	26.9	5.3	13h
14	27.7	4.1	27.6	3.8	27.9	3.8	27.9	5.2	27.9	5.8	26.7	2.8	26.2	2.8	26.0	4.6	14
15	27.1	3.6	27.3	3.4	27.2	3.4	27.1	4.1	26.3	3.9	26.0	2.0	26.9	3.1	24.4	3.2	15
16	26.9	3.7	26.4	3.7	26.6	3.0	26.0	3.7	26.4	4.3	24.9	1.5	26.2	2.4	23.0	2.0	16
17	26.2	3.1	25.9	3.0	25.8	2.6	25.1	3.1	25.7	3.2	21.4	0.2	25.1	1.9	22.2	1.7	17
18	25.0	1.9	24.7	1.8	24.3	1.6	24.0	2.4	23.1	0.9	21.2	0.2	23.8	1.4	22.0	1.7	18
19	23.9	1.0	23.5	1.3	23.5	1.3	23.1	1.8	22.1	0.9	21.2	0.4	22.1	1.3	21.6	1.5	19
20	23.4	0.8	23.1	1.1	23.0	1.0	22.2	1.3	22.1	0.7	21.1	0.4	22.0	1.2	21.5	1.5	20
21	23.7	0.7	22.5	1.0	22.5	0.9	22.2	1.2	22.0	0.7	21.0	0.5	21.8	1.1	21.3	1.3	21
22	23.9	0.8	22.4	0.9	22.2	1.2	21.7	1.2	22.1	0.4	20.4	0.5	21.6	1.0	21.3	1.3	22
23	23.5	1.3	22.6	1.0	22.0	1.4	21.5	1.3	22.3	0.3	20.0	0.5	21.9	1.2	21.2	1.4	23

Day / Hour	25d. Air	25d. Excess of air over Evap.	26d. Air	26d. Excess of air over Evap.	27d. Air	27d. Excess of air over Evap.	28d. Air	28d. Excess of air over Evap.	29d. Air	29d. Excess of air over Evap.	30d. Air	30d. Excess of air over Evap.	... Air	... Excess of air over Evap.	Mean Air	Mean Excess of air over Evap.	Day / Hour
Midnight	20.9	1.2	17.6	1.1	20.0	0.9	21.3	1.2	21.9	1.3	21.9	2.4	...	...	21.5	1.1	Mid-night
1h	20.2	1.3	17.1	1.0	20.0	0.9	21.1	1.1	22.0	1.1	22.0	2.6	...	...	21.3	1.0	1h
2	20.0	1.4	16.3	1.0	20.0	0.8	21.1	1.0	21.2	0.9	22.0	2.6	...	...	21.1	1.0	2
3	19.7	1.3	15.6	1.0	20.1	0.6	21.1	1.1	21.1	1.0	21.9	2.1	...	...	20.9	1.0	3
4	19.8	1.3	15.6	0.9	20.1	0.8	21.1	1.0	21.0	1.1	21.7	2.2	...	...	20.8	1.0	4
5	19.3	1.3	15.2	1.0	20.2	0.9	21.2	0.9	20.9	1.0	21.8	2.3	...	...	20.7	1.0	5
6	19.1	1.5	15.0	1.0	20.3	1.0	21.1	1.0	21.1	1.1	21.7	2.1	...	...	20.7	1.0	6
7	20.0	2.3	15.1	1.1	20.5	1.2	21.5	1.3	21.2	0.5	22.0	2.0	...	...	21.2	0.9	7
8	21.0	3.1	19.5	2.0	20.9	1.4	23.0	2.0	21.2	0.5	23.8	3.0	...	...	23.6	1.6	8
9	22.7	3.7	22.4	2.6	22.4	2.0	24.6	2.8	21.3	0.7	24.0	3.7	...	...	24.3	2.6	9
10	23.9	4.6	22.7	2.5	23.1	2.0	25.2	3.2	21.9	1.3	24.7	3.7	...	...	25.7	3.2	10
11	25.3	5.6	23.3	2.4	23.7	2.6	25.3	3.2	21.7	1.4	24.9	3.6	...	...	26.2	3.6	11
Noon	25.4	5.5	22.9	2.1	24.8	3.9	25.6	3.4	22.1	1.7	24.9	4.0	...	...	26.6	4.0	Noon
13h	25.7	5.5	23.0	2.0	24.6	3.4	25.9	3.8	22.8	1.6	25.2	4.8	...	...	26.8	4.2	13h
14	25.7	5.3	23.7	2.0	25.1	3.6	26.1	4.0	22.9	1.6	25.2	4.5	...	...	26.7	4.0	14
15	25.3	4.6	24.2	1.9	24.2	3.0	25.0	3.0	23.3	2.2	25.0	4.7	...	...	26.4	3.6	15
16	24.7	4.4	24.0	1.9	23.5	2.4	24.2	2.8	23.6	2.6	24.6	4.5	...	...	25.6	3.4	16
17	23.1	3.9	23.0	1.6	22.9	1.9	23.3	2.0	23.1	2.3	23.9	3.9	...	...	24.9	2.9	17
18	21.5	3.5	21.9	1.5	22.2	1.7	22.9	1.9	22.3	2.1	22.3	2.6	...	...	23.6	2.1	18
19	21.0	2.8	20.4	1.2	21.6	1.5	22.6	1.7	21.9	1.8	21.4	1.9	...	...	22.8	1.5	19
20	20.0	2.0	20.1	1.1	21.4	1.4	22.2	1.6	22.0	2.0	21.1	1.9	...	...	22.4	1.4	20
21	20.0	2.4	19.6	1.0	21.6	1.6	22.0	1.9	22.1	2.3	21.0	1.9	...	...	22.1	1.3	21
22	19.1	1.7	19.9	1.0	21.3	1.0	22.1	2.0	22.1	2.2	20.9	1.9	...	...	21.9	1.2	22
23	18.0	1.1	19.9	0.9	21.6	1.3	21.9	1.6	21.8	2.1	20.4	1.9	...	...	21.6	1.2	23

TABLE XII.-DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during APRIL, 1943.

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, 1943.

Hour \ Day	1a.		2d.		3a.		4a.		5d. *		6d.		7a.		8d.		9d.		10a.		11d.		12d.		13a.		14a.		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.
Mid-night	06	1.0	11	1.9	10	2.0	10	2.7	09	1.2	12	1.5	10	1.2	11	1.8	12	1.5	12	2.0	09	1.8	11	3.0	10	2.5	10	2.1	08	1.7	12	1.2
1h	08	1.5	11	1.6	10	1.3	10	3.0	09	2.2	12	1.4	10	2.2	11	2.0	12	1.2	12	1.9	09	1.8	11	2.5	09	2.1	10	2.1	08	1.6	12	1.6
2	08	1.4	11	1.8	10	1.9	10	2.2	09	0.7	12	1.7	10	2.0	11	2.1	12	1.6	14	2.5	09	1.7	11	2.2	09	2.3	10	2.3	11	1.3	12	1.8
3	08	1.7	11	1.6	10	1.9	10	2.3	11	2.0	12	1.9	10	1.6	11	2.1	12	1.7	15	1.3	09	1.8	11	2.4	09	2.8	10	2.6	11	1.3	12	1.3
4	08	1.8	11	1.8	10	1.8	10	1.9	11	1.4	12	1.4	10	1.2	11	2.1	12	1.3	15	2.1	09	2.0	11	2.3	09	2.0	10	2.2	11	1.9	12	1.2
5	09	1.4	11	1.8	10	1.9	10	1.8	12	2.0	12	1.5	10	1.6	11	1.3	12	1.2	15	2.0	11	1.4	11	2.0	09	2.3	10	2.3	11	1.5	12	2.3
6	11	2.0	11	2.3	10	2.0	10	2.1	14	1.8	12	2.1	10	2.0	10	2.8	12	1.9	10	2.0	11	2.0	11	2.2	09	2.1	10	2.1	11	1.5	12	2.0
7	12	1.6	11	2.1	10	1.7	10	1.9	15	1.5	12	2.3	10	2.3	12	2.0	12	1.3	14	0.7	11	1.8	11	1.8	09	2.6	10	2.3	11	1.9	12	1.6
8	12	1.1	11	2.8	10	3.0	10	2.3	15	1.2	11	2.5	10	3.0	11	1.8	11	2.5	12	2.2	11	2.0	11	2.0	09	2.6	11	2.2	11	1.7	10	2.9
9	05	1.8	09	4.0	12	3.5	08	2.7	09	2.2	10	4.8	09	5.1	09	5.1	10	3.8	09	3.9	09	3.3	10	2.8	10	4.2	07	3.3	11	1.6	09	3.1
10	05	1.8	08	3.6	09	3.6	08	2.3	11	2.2	10	3.8	08	4.7	10	3.7	08	3.5	09	3.7	08	3.0	07	3.6	06	3.9	08	4.3	10	2.4	08	3.2
11	05	2.5	07	4.0	08	4.0	08	2.8	13	2.7	09	4.9	06	5.0	08	4.1	12	4.2	08	4.6	07	3.6	08	4.2	08	4.3	08	4.2	07	3.1	08	3.1
Noon	05	2.5	08	3.9	08	3.6	08	2.4	09	3.7	09	2.7	08	6.3	08	4.5	12	4.5	10	4.4	09	4.3	08	4.1	07	4.4	06	4.1	08	3.3	09	3.5
13h	05	2.5	10	3.4	08	4.2	07	3.3	14	2.7	09	4.4	08	3.0	10	4.2	10	4.0	09	4.6	09	4.5	07	4.0	06	4.4	06	4.2	08	4.2	06	3.4
14	03	1.5	08	3.6	08	4.0	08	2.7	25	1.5	09	4.5	10	5.5	09	3.8	10	4.5	09	4.4	10	5.5	08	4.1	06	3.9	07	4.8	07	4.2	06	3.9
15	07	1.5	10	4.3	08	3.3	07	2.4	27	3.1	09	4.1	11	4.0	10	4.4	10	4.3	07	4.2	07	4.4	08	3.6	11	4.2	09	4.5	08	3.8	06	4.0
16	08	2.1	12	3.7	09	4.0	08	2.2	25	1.7	09	4.0	10	5.7	10	4.0	10	3.3	09	4.6	09	4.2	08	3.1	12	4.6	09	4.1	07	2.9	08	3.5
17	07	1.7	10	3.2	09	3.1	09	1.3	02	1.6	10	3.4	12	3.2	10	2.9	12	3.5	08	3.9	09	3.3	09	3.1	10	4.8	08	3.7	08	2.6	09	3.2
18	10	1.6	10	3.0	10	4.4	09	1.4	16	2.3	12	3.3	10	3.3	10	3.7	12	2.1	09	2.6	10	2.3	10	2.5	08	3.0	07	3.0	08	1.6	08	2.0
19	11	1.6	10	1.7	10	2.1	13	1.1	14	2.8	09	2.3	10	2.2	10	2.2	11	2.8	09	2.6	10	2.1	12	2.7	10	2.1	09	2.0	12	1.8	08	2.0
20	11	1.8	10	2.0	10	2.5	13	1.2	14	1.8	10	2.8	11	1.8	10	3.2	12	2.3	09	1.7	10	2.2	11	3.3	11	2.0	09	2.0	12	1.9	08	1.9
21	11	1.9	10	1.8	10	2.7	13	1.4	12	2.6	10	1.8	11	3.5	11	3.5	11	3.6	09	1.8	10	2.8	12	2.4	11	2.8	08	2.1	12	1.7	08	2.0
22	11	1.6	10	2.2	10	2.2	13	1.1	12	2.5	10	1.6	11	2.3	12	2.7	13	2.7	09	1.1	10	2.2	11	3.1	10	2.9	08	1.8	12	1.1	08	2.3
23	11	1.4	10	1.5	10	2.9	12	1.2	12	2.6	10	1.3	11	2.0	12	2.1	14	2.4	08	1.3	10	2.3	09	2.9	10	2.3	08	1.5	12	1.3	08	1.8

Hour \ Day	17a.		18d.		19d.		20d.		21d.		22d. *		23a. *		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.	
Mid-night	08	1.9	08	1.9	08	2.4	11	2.2	12	2.1	04	0.9	10	1.7	13	2.0	09	1.7	14	1.5	11	2.7	10	3.4	10	4.8	12	3.6	..	...	2.1
1h	11	2.0	08	1.4	08	1.8	11	1.7	12	1.8	04	0.7	11	1.5	13	2.4	13	3.3	14	1.6	11	2.6	10	3.2	10	4.4	12	2.7	..	...	2.0
2	12	1.8	08	1.1	08	1.8	11	1.5	12	1.5	04	1.1	11	1.1	13	1.2	14	2.8	14	1.8	06	3.3	11	2.5	12	4.3	13	2.1	..	...	1.9
3	11	2.1	08	1.2	08	1.8	11	2.4	12	1.6	04	1.1	11	1.4	18	1.2	13	3.7	13	1.3	10	1.9	11	3.4	11	4.6	12	2.0	..	...	2.0
4	12	1.8	08	1.8	08	2.0	11	2.4	12	1.9	11	1.2	11	2.0	13	2.0	16	2.4	14	1.8	11	2.3	10	3.9	12	4.7	13	1.8	..	...	2.0
5	11	1.9	08	1.8	08	1.6	11	2.1	12	1.8	11	1.1	11	1.9	13	1.2	16	1.0	14	1.8	11	2.1	07	3.7	12	4.2	11	2.8	..	...	1.9
6	11	2.1	09	1.4	08	1.8	11	2.0	12	1.3	11	1.2	11	1.9	14	2.2	14	1.6	13	1.4	11	3.0	08	3.5	09	5.7	11	2.3	..	...	2.2
7	11	2.0	09	1.7	09	1.4	11	1.4	12	1.3	11	0.7	11	1.9	15	3.0	13	4.7	13	2.0	11	2.3	09	3.6	10	4.5	12	2.9	..	...	2.1
8	11	2.0	09	2.4	10	2.6	11	2.0	12	1.3	11	0.9	11	0.7	15	3.0	14	3.5	13	0.9	12	2.5	10	3.7	10	4.4	12	4.1	..	...	2.3
9	08	3.2	07	2.3	10	3.2	11	3.1	11	1.9	09	1.0	11	1.8	14	3.6	13	2.7	13	0.8	11	4.0	09	3.8	11	5.8	12	5.1	..	...	3.2
10	08	3.8	07	3.5	08	3.5	09	3.5	10	2.2	18	1.1	26	2.1	14	4.9	12	3.7	20	1.8	10	3.7	10	6.7	12	4.9	12	5.9	..	...	3.5
11	08	3.4	06	4.2	06	4.0	10	3.0	06	2.5	23	2.2	24	2.2	14	5.2	13	4.3	20	1.3	10	4.0	07	5.2	11	4.6	11	5.5	..	...	3.8
Noon	08	3.6	06	4.2	05	3.1	11	2.4	08	2.4	01	2.8	27	3.1	14	5.0	13	3.6	22	1.4	10	4.6	09	5.1	11	4.1	11	6.0	..	...	3.8
13h	08	3.3	09	4.0	06	3.1	07	3.1	06	2.7	04	2.3	22	3.8	11	4.4	12	3.3	23	1.0	10	5.4	08	7.0	10	4.9	11	6.1	..	...	3.8
14	08	4.1	09	3.8	09	3.8	08	3.2	09	2.1	02	1.6	03	3.2	14	4.1	14	4.0	26	1.9	09	4.9	09	5.5	12	4.4	10	6.2	..	...	3.8
15	09	3.5	04	3.5	06	4.1	07	3.9	08	2.0	30	2.2	02	1.8	13	3.9	14	4.9	29	1.5	09	4.8	10	6.0	12	5.1	12	5.9	..	...	3.8
16	09	3.7	06	3.9	08	4.0	08	4.4	16	1.5	25	2.3	05	2.7	14	3.2	13	5.0	16	1.4	09	4.4	10	4.7	12	4.1	12	5.5	..	...	3.6
17	08	2.5	08	2.4	07	3.1	09	2.5	11	2.0	13	2.4	06	1.5	13	3.4	13	4.0	16	1.2	10	3.9	10	3.8	12	3.2	12	4.1	..	...	2.9
18	10	3.6	08	2.0	10	2.9	09	2.0	14	2.6	15	1.4	14	2.0	13	3.4	13	3.4	16	1.2	10	4.6	11	3.4	12	3.5	12	2.7	..	...	2.7
19	10	2.4	08	1.7	10	2.8	10	1.8	16	2.9	10	1.8	14	1.7	10	3.1	14	3.4	16	1.0	11	2.8	11	4.3	12	4.0	12	2.9	..	...	2.4
20	10	2.3	08	1.7	11	2.3	12	1.8	12	1.3	10	1.8	13	1.8	12	2.1	14	2.9	15	1.8	11	2.8	11	5.1	12	4.1	12	2.2	..	...	2.3
21	10	2.4	08	1.4	12	2.2	12	1.5	13	1.2	10	1.3	13	1.4	11	3.0	14	3.0	10	0.7	07	3.1	12	4.7	12	3.7	12	2.1	..	...	2.3
22	09	2.0	08	2.0	12	1.9	12	2.1	13	1.8	10	1.2	13	1.1	11	1.9	14	2.7	12	4.6	10	2.8	11	4.4	12	3.8	12	2.0	..	...	2.3
23	09	2.2	08	1.6	12	2.3	12	1.6	13	1.0	09	1.4	14	1.3	16	1.1	14	1.9	11	3.1	11	3.9	09	5.7	13	3.1	12	1.9	..	...	2.1

TABLE XIII.-WIND FREQUENCY (NUMBER OF OBSERVATIONS), APRIL, 1943.

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	-	5	5	17	-	1	-	1	-	-	-	-	-
9	-	1	29	-	-	1	-	13	5	10	1	-	-	-	-	-	-	-	-
15	-	2	28	-	1	1	2	13	4	5	1	-	-	-	-	-	1	-	2
21	-	-	30	-	-	-	-	5	7	17	1	-	-	-	-	-	-	-	-
Totals					1	3	2	36	21	49	3	1	-	1	-	-	1	-	2

TABLE XIVa.-RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for APRIL, 1943.

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	..
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	...	...	...	...	...	...	...	0.2	...	...	...	0.3	...	...	...	...	...	0.1	...	...	...	...	...	...	0.4	...	0.3	...	0.1	...	...
2	...	...	...	...	...	...	...	...	...	...	...	0.1	0.1	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	0.8	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	0.6	...	...
4	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.2	...	...
5	...	...	...	...	...	...	...	0.3	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...
6	...	...	...	...	...	...	...	...	...	1.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	0.2	...	...
7	...	...	...	...	...	...	...	0.9	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.2	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.5	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...
11	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.0	...	...	...	...	...	...	...	...	...	...	1.4	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	0.6	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	0.1	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	0.4	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9.8	...	0.7	...	...	0.2	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	35.0	...	0.8	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.6	4.0	...	0.4	...	...	...	0.2	...	...	...
19	0.3	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	0.5	...	0.7	...	...	...	0.1	0.2	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	0.6	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	0.2	...	...	...	...	...	...	0.3	...	...	...
22	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	0.1	...	...	...
23	...	...	...	...	...	...	...	...	...	...	1.0	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...
24	...	...	...	...	...	...	...	...	...	...	1.5	...	...	0.2	...	...	...	...	...	...	...	...	...	0.4	...	0.5	...	...	...	...	...

TABLE XIVb.-RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for APRIL, 1943.

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	..
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	0.1	...
2	...	...	...	...	...	...	...	...	...	1.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.6	...	...	...	0.6	1.2	...	...
3	...	...	...	...	...	...	...	...	0.7	0.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	2.9	0.8	...
4	...	...	...	...	...	...	0.1	...	...	3.7	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	0.5	2.6	0.9	...
5	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	5.5	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	3.8	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	5.6	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	0.6	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	1.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8	...	...
14	...	...	...	...	...	...	...	...	...	...	...	6.4	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	1.5	...	...	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...	...	...	...	5.2	...	0.2	...	...	...	...	...	...	...
16	0.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13.6	...	0.7	...	...	...	...	...	...	...
17	0.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7.8	...	1.3	...	...	...	...	...	...	...
18	2.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	0.6	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.9	...	...	1.1	...	...	...	0.2	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.3	...	...	0.1	...	...	...	1.8	0.2	...	...
21	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...	0.4	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	0.6	...	...	...	...	...
24	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	0.8	...	...	...	...	...	...	...

TABLE XV.-TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS according to RIVER SYSTEMS indicated on the CHART for APRIL, 1943.

RIVER SYSTEM	STATIONS	Approximate Altitude in feet.	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20	4.56	115.8	5.95	
	St. Antoine	50	4.06	103.0	5.47	
	Bel Mont	50			6.01	
	Poudre d'Or	20			5.88	
	Mon Loisir S.E.	300	6.00	152.4	6.79	16
	Forbach	300	3.06	77.7	5.20	9
	Couroupa	...			6.91	
	Labourdonnais	290	1.69	43.0	6.21	8
	Mapou Water Office			No record.		
	Beau Sejour	300	5.67	144.0	7.34	13
	Mont Piton	650	4.94	125.5	7.37	10
	Mon Choix	700	4.72	119.9	6.74	7
	Antoinette	640	6.57	166.9	7.40	15
	Mon Songe	620	5.38	136.7	7.72	17
	Botanical Gardens	325	2.95	74.9	6.16	18
	The Observatory	179	3.16	80.9	5.12	20
	Solitude	175	2.68	68.1	4.11	4
	St. Andre-cour	90			5.30	
	La Nicoliere	...	9.01	228.9	12.08	18
	California	...	8.57	217.7	...	14
	Australia	...	8.28	210.3	...	
2 & 3	Union Regnard S.E.	600	6.35	161.3	6.77	14
	Constance La Gaite	100	4.50	114.3	7.69	17
	Rich Fund	600	6.17	156.7	9.64	15
	La Joffrette	...	5.40	137.2	...	11
	Belle Vue Allendy	...	4.83	122.7	9.30	15
4	Sans Souci	900	14.28	362.7	15.21	19
	Beau Champ G.R.S.E.	20	3.17	80.5	7.53	13
	Olivia	400	5.42	137.7	10.96	13
	Trois Ilots	...	4.58	116.3	...	12
	Belle Rive	400	8.30	210.8	14.19	21
	Sebastopol	700			...	
	Bonne Veine	400	8.65	219.7	15.09	18
5	Rose Belle	650	9.47	240.5	15.40	19
	New Grove	650	11.51	292.4	15.12	14
	Mon Tresor	...	9.33	237.0	...	15
	Mon Desert-Carie	75	3.59	91.2	6.77	14
	Ferney	20			9.90	
	Sauve Terre	...	2.08	52.8	...	13
6	Tivoli	1300	8.21	208.5	15.08	16
	La Flora	1050	9.22	234.2	16.37	15
	Riche Bois Britannia	650	5.94	150.9	12.15	13
	Britannia S.E.	700	8.23	209.0	11.61	15
	Savannah Mill	200	3.28	83.3	8.19	11
	St. Aubin	300	3.94	100.1	9.00	10
	St. Avold	900	9.81	249.2	12.84	17
	Colmar	400	8.28	210.3	10.42	13
	Union S.E.	...	4.67	118.6	8.55	
	Fontenelle	320	4.92	125.0	9.29	
	Choisy	200	6.88	174.8	6.70	9
	Beau Bois	...	7.89	200.4	...	11
	Bel Air	...	6.64	168.7	...	8
	St. Felix	...	7.22	183.4	...	7
7, 8, 9 & 10	Bel Ombre	40	7.77	197.4	6.61	15
	Beau Champ E. du Cap	70	6.51	165.4	7.65	11
	Frederica	...	6.98	177.3	7.04	13
	Pierre Fonds	...	2.51	63.8	8.06	11
	Ste. Marie	...	6.46	164.1	...	11
	Hussonia	...			...	
11	Curepipe Gardens	1840	4.96	126.0	11.75	15
	Mare aux Vacoas G.E.	1850	6.36	161.5	16.19	19
	Mare aux Vacoas Arnaud	1830	9.39	238.5	14.93	20
	La Marie Filter Beds	1700	5.64	148.3	9.55	15
	Sophie	...		No record.		
	Reunion	1420	4.69	119.1	7.85	14
	Aerological Station	1393	3.64	92.5	10.30	16
	Phoenix	...	3.33	87.6	...	5
	Quatre Bornes	...	1.85	47.0	...	7
12	Quatre Bornes Board	1090	1.85	47.0	...	7
	Le Reduit Dep. of Agr.	1000	1.25	31.7	4.85	6
	Alma	1460	9.57	243.1	12.95	17
	Bagatelle	1250	6.06	153.9	7.33	9
	Highlands	1300	3.41	86.6	8.54	8
	Trianon	950	2.45	62.2	5.70	7
	Val Ory	1100			5.80	
	Bassin	...	2.72	69.1	7.30	9
	Hermitage	1450	7.37	187.2	13.25	9
	Ebene	...	2.60	66.0	...	12
	Bega	...	2.23	56.6	...	12
	Mon Reve	...	3.23	82.0	...	12
	Mont Pevril	...	3.48	88.4	...	12
	Minissy	1150	3.40	86.4	5.30	12
	Plaisance	...			...	
	La Ferme	350	2.67	67.8	4.75	10
13	Line Barracks	...	2.51	63.9	...	
	Richelieu Tobacco Res. Stn.	...	1.25	31.7	...	6

TABLE XVI.-PILOT BALLOON OBSERVATIONS FOR THE MONTH OF APRIL, 1943.

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,500 metres		2,000 metres		2,500 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		o	m.p.s.	o	m.p.s.	o	m.p.s.	o	m.p.s.	o	m.p.s.	o	m.p.s.	o	m.p.s.	o	m.p.s.	o	m.p.s.	o	m.p.s.	o	m.p.s.
1	9.04	065	2.6	059	2.7	059	3.0	033	4.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	9.14	102	4.3	096	5.4	079	10.1	086	9.5	076	4.6	...	...	...	...	...	...	...	...	...	...	...	...
3	9.32	090	3.4	096	7.1	110	8.6	111	8.1	116	6.4	...	...	...	...	...	...	...	...	...	...	...	...
4	9.54	069	3.7	068	7.4	097	3.1	072	3.1	075	3.4	...	...	...	...	...	...	...	...	...	...	...	...
5	9.11	068	1.1	101	2.1	136	2.9	132	6.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	9.48	101	5.2	100	10.1	119	2.5	106	6.2	098	10.0	...	...	...	...	...	...	...	...	...	...	...	...
7	9.55	081	4.6	092	6.2	100	6.6	088	6.8	081	5.4	...	...	...	...	...	...	...	...	...	...	...	...
8	9.07	093	4.3	086	4.4	063	4.4	091	7.2	085	8.5	088	8.0	...	...	...	...	...	...	...	...	...	...
9	9.49	093	3.4	092	5.4	097	8.0	...	...	104	3.9	...	...	...	...	...	...	...	...	...	...	...	...
10	9.05	093	4.5	108	3.2	101	7.1	092	10.8	099	9.1	...	...	...	...	...	...	...	...	...	...	...	...
11	9.09	107	2.8	111	2.5	081	4.5	090	4.6	097	6.6	...	...	...	...	...	...	...	...	...	...	...	...
12	9.44	097	5.6	092	5.1	063	3.8	075	9.1	070	6.0	...	...	...	...	...	...	...	...	...	...	...	...
13	9.40	086	7.5	081	4.6	074	8.0	069	12.0	072	14.9	...	...	...	...	...	...	...	...	...	...	...	...
14	9.40	073	7.9	071	3.6	075	6.2	072	7.1	071	6.6	...	...	...	...	...	...	...	...	...	...	...	...
15	9.44	092	8.0	079	5.6	086	4.1	079	8.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	9.20	069	5.0	085	5.2	078	4.6	083	6.7	092	7.4	099	8.1	...	...	...	...	...	...	...	...	...	...
17	9.20	059	6.6	066	4.7	104	3.2	096	6.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	9.22	059	3.8	060	6.1	066	5.2	072	6.0	066	9.0	...	...	...	...	...	...	...	...	...	...	...	...
19	9.02	096	4.1	080	5.3	084	9.0	093	9.7	088	10.1	069	5.2	...	...	...	...	...	...	...	...	...	...
20	9.20	099	3.1	099	3.8	096	3.5	087	4.1	092	2.6	...	...	...	...	...	...	...	...	...	...	...	...
21	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	11.10	273	3.9	263	5.0	253	4.0	236	3.0	201	1.7	...	...	...	...	...	...	...	...	...	...	...	...
24	9.38	127	2.0	130	5.6	160	2.9	137	5.3	141	4.5	...	...	...	...	...	...	...	...	...	...	...	...
25	9.10	111	2.8	136	5.6	148	5.6	155	7.5	157	8.2	...	...	...	...	...	...	...	...	...	...	...	...
26	9.18	245	1.4	230	1.6	210	1.6	146	1.1	117	4.0	144	5.1	...	...	...	...	...	...	...	...	...	...
27	7.49	112	3.2	122	2.7	115	5.4	106	7.7	100	9.4	...	...	...	...	...	...	...	...	...	...	...	...
28	9.52	069	4.6	099	3.3	066	5.2	063	6.4	080	7.9	076	8.0	074	7.3	...	...	...	...	...	...	...	...
29	11.20	135	3.1	121	11.2	109	14.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	9.55	124	5.8	113	16.0	114	17.5	119	17.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
..	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

c.2

NEW SERIES (MONTHLY) VOL. XXIX. PART 5.

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20° 5' 39" S -LONGITUDE 3h 50m 12.6s E.)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

MAY, 1943.

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 MAY, 1943.

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	Daily Range ≠ Vertical Force
				Unit 1 γ		
May	° ′			′		
1	...	.22373	.30001	...	89	15
2	14°29.5	369	000	7.0	61	21
3	29.8	399	.29998	5.0	41	22
4	29.9	410	996	3.4	43	16
5	29.5	411	995	2.5	36	22
6	29.8	416	998	5.2	40	10
7	29.6	417	991	7.6	24	37
8	29.5	420	994	4.5	22	11
9	29.5	419	992	5.8	31	24
10	29.2	427	989	7.3	31	27
11	29.6	428	987	7.0	42	29
12	29.5	418	991	5.5	36	15
13	29.4	407	992	4.8	71	11
14	...	403	993	...	45	9
15	29.8	384	996	4.0	45	9
16	30.3	398	992	6.0	66	28
17	30.1	402	994	4.5	41	23
18	29.1	393	995	7.0	59	18
19	29.6	391	996	3.0	36	18
20	29.7	396	992	4.0	30	28
21	...	406	994	...	24	13
22	29.5	411	991	3.2	21	20
23	30.0	409	992	2.5	46	19
24	29.4	401	993	9.5	71	20
25	...	386	998	...	58	19
26	30.6	400	996	3.5	45	13
27	30.3	404	997	3.7	29	12
28	...	...	998	...	..	16
29	...	...	999	...	..	13
30	30.2	404	998	2.8	22	20
31	30.3	416	999	3.5	35	17
Mean	14°29.75	.22405	.29995	4.91	42.8	18.5

Description of the Principal Magnetic Disturbances.

HORIZONTAL FORCE.

1d. Very moderately disturbed.
2d. Slightly disturbed - Rapid decrease of force between 11h 30m. and 14h (50γ). Sharp positive wave (45γ).
3d. Isolated small positive wave (25γ) between 20h and 22h.
4d. Large positive wave (55γ) culminating at 3h 15m.
11d and 12d. Very slightly disturbed.
13d. Slightly disturbed.
14d. Small positive wave between 1h and 2h 30m.
15d and 16d. slightly disturbed.
18d. Moderately disturbed; positive wave (37γ) between 0h & 1h30
19d. Very slightly disturbed.
24d. Slightly disturbed.
25d. Very moderately disturbed - Minor irregular features throughout.
27d and 28d. Very slightly disturbed.

T = .37439; Mean Dip = 53°14.50; (X = .21692; Y = -.05608; Z = .29995).

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

TABLE II.-RESULTS OF ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the Month of MAY, 1943.

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	Resulting Vertical Force
d h m	° ′			d h m	° ′	
7.14.40	14.26.29	3.11.48	.22418	7.14.50	53.11.67	.29962
14.14.40	14.28.62	8.11.16	.22422	14.14.49	53.15.75	.29988
28.14.45	14.29.03	13. 9.39	.22454	25.15.01	53.14.87	.29983
		15.10.08	.22369	28.14.56	53.16.13	.29984
		19.11.13	.22402			
		22.10.07	.22414			
		27. 9.56	.22412			

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

MAY, 1943.

14° +

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight		33.0	30.0	30.0	29.7	29.5	29.7	29.3	29.3	29.3	30.0	29.7	29.7	30.0	31.0	31.0	Midnight
1h		31.0	29.7	30.3	30.0	30.0	29.5	29.0	29.5	29.3	29.5	29.5	30.0	30.0	30.7	30.7	1h
2		29.5	29.7	30.0	29.5	30.0	29.7	29.0	29.5	29.5	30.0	29.7	30.0	28.0	31.0	31.0	2
3		27.7	29.5	30.3	29.5	30.0	29.7	29.0	29.5	29.5	29.5	29.5	30.0	30.0	30.7	30.7	3
4		26.0	29.0	30.5	29.7	30.0	29.7	29.0	29.5	29.5	29.3	29.7	30.0		31.0	31.0	4
5		28.0	28.7	30.0	30.0	29.3	30.0	29.0	29.3	29.3	29.0	29.7	30.0		30.0	30.5	5
6		28.0	26.5	28.3	29.7	29.5	29.5	28.5	29.0	29.0	28.5	30.0	29.5		27.0	30.3	6
7	24.5	27.5	28.3	29.5	29.5	28.7	29.0	29.0	28.3	28.0	28.0	29.0	28.5		29.0	30.0	7
8	25.0	28.0	29.7	30.0	30.0	30.0	30.0	30.5	29.7	29.0	29.0	28.0	29.7		27.0	30.0	8
9	28.5	30.0	31.5	29.5	31.5	32.0	32.0	32.0	31.0	31.0	31.5	30.0	31.0		29.0	31.0	9
10	29.5	30.5	33.0	29.0	31.7	32.7	33.3	32.0	32.3	32.0	32.7	32.5	31.5	31.0	31.0	32.0	10
11	30.0	30.0	32.0	30.0	30.0	31.0	32.7	31.0	31.5	31.0	33.0	32.0	30.0	30.5	30.0	32.5	11
Noon	29.0	29.0	30.7	31.5	29.0	29.5	31.0	30.0	30.0	29.7	32.0	30.5	28.5	30.0	29.7	32.5	Noon
13h	30.0	30.0	29.5	31.7	28.7	28.7	29.7	29.5	29.5	27.5	30.7	29.0	28.0	28.0	30.0	30.5	13h
14	30.0	29.5	28.7	31.7	29.0	27.5	27.0	28.0	29.0	26.5	28.0	27.5	27.7	29.5	29.7	29.0	14
15	29.7	28.3	28.0	28.5	27.5	27.5	25.7	27.5	27.0	24.7	26.0	27.0	27.5	29.0	28.5	26.5	15
16	28.0	28.5	28.0	28.5	27.5	28.0	26.7	27.7	26.5	25.0	26.0	27.0	26.7	29.0	28.2	26.7	16
17	30.0	29.7	29.0	29.0	28.0	29.3	27.0	28.5	28.5	29.0	27.5	28.5	28.5	29.5	29.0	28.5	17
18	32.0	30.5	30.0	30.0	29.3	30.0	30.0	30.0	30.0	30.0	29.0	30.0	29.0	30.0	30.0	30.0	18
19	31.5	31.5	30.0	30.0	29.7	30.3	30.3	30.0	30.0	30.5	30.0	30.0	30.0	30.3	30.0	30.5	19
20	32.0	31.0	30.7	30.0	30.0	30.5	30.0	30.3	30.3	30.3	30.0	30.0	30.0	31.0	30.3	30.0	20
21	32.5	30.7	30.0	30.0	30.0	30.3	30.0	30.0	30.0	30.0	30.0	30.0	30.7	30.5	30.3	30.3	21
22	32.7	30.5	30.5	29.7	29.5	30.0	29.7	30.0	29.7	30.3	30.0	30.0	30.0	30.7	30.5	31.0	22
23	32.0	30.5	30.0	29.3	29.3	29.7	29.5	30.0	29.7	30.0	30.0	30.0	30.0	30.7	30.7	31.0	23

14° +

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day \ Hour
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	31.5	30.7	30.7	30.7	29.7	29.7	29.5	30.0	31.5	31.0	31.0			30.3	30.7	30.3	Midnight
1h	30.5	26.0	30.0	30.5		29.7	29.5	30.3	32.0	30.0	30.5			30.3	30.5	29.9	1h
2	30.5	30.0	28.0	30.5		30.0	29.0	30.5	31.0	30.7	30.3			30.5	30.3	29.9	2
3	32.0	30.5	29.0	31.0		30.0	29.7	30.0	30.5	30.0	29.5			30.3	30.3	29.9	3
4	31.0	29.0	30.0	30.7		30.0	30.0	29.7		30.0	29.0			30.3	30.5	29.8	4
5	31.0	27.0	30.3	30.3		30.0	30.0	28.0		29.7	28.7			30.0	30.3	29.5	5
6	30.0	29.0	29.0	30.3		30.0	29.7	25.0		30.0	29.0	28.0		29.0	30.3	29.1	6
7	28.5	27.5	29.7	30.0	28.5	28.7	28.5	23.0		29.5	28.3	26.5		28.7	29.7	28.6	7
8	27.5	26.7	29.5	30.0	29.0	29.0	29.0	26.7		30.0	28.3	29.0		29.7	30.0	29.1	8
9	29.0	24.5	29.3	30.5	29.7	30.0	30.5	28.5		30.5	29.5	29.5	31.0	30.7	31.0	30.3	9
10	30.0	26.7	29.5	30.5	29.5	30.3	31.3	29.0		30.7	30.5	30.0	32.5	31.0	31.0	31.1	10
11	30.0	29.7	29.0	30.0	28.5	29.5	31.5	29.3		30.7	31.0	31.0	33.3	30.5	30.3	30.7	11
Noon	31.5	30.5	28.7	29.0	28.2	29.0	31.0	29.3		31.0	31.3	31.5	32.0	30.3	29.5	30.2	Noon
13h	31.0	30.0	28.3	27.5	28.5	28.5	30.7	29.7		30.3	31.3	30.7	31.0	30.0	28.3	29.5	13h
14	30.0	29.5	28.3	27.0	29.0	27.5	29.0	29.0		30.0	30.5	30.3	30.0	29.0	28.0	28.7	14
15	28.3	28.0	28.0	27.5	28.3	27.5	27.5	28.0	29.0	29.7	29.7	30.0	29.7	29.0	28.5	27.7	15
16	28.0	28.0	28.3	28.0	28.5	27.7	27.5	29.0	29.0	29.0	29.7	30.0	29.7	29.0	30.0	27.8	16
17	29.5	30.0	30.0	29.5	30.0	29.5	30.0	30.0	30.4	30.0	30.5	31.0	30.5	29.7	30.7	29.2	17
18	30.0	31.0	30.7	30.0	30.5	30.7	30.7	30.7	31.5	31.0	31.3	32.0	31.0	30.7	31.0	30.2	18
19	30.5	31.5	31.0	30.3	30.5	30.7	31.5	31.0	31.5	31.5	31.7	32.0	31.0	31.5	31.5	30.6	19
20	30.7	30.7	31.0	30.3	30.7	30.5	31.0	31.0	32.0	32.0	32.0	31.7	31.0	31.0	31.5	30.6	20
21	31.5	30.5	30.5	30.0	30.7	30.5	31.0	31.5	32.0	32.0	31.5	31.0	31.0	31.0	31.0	30.5	21
22	31.0	30.0	30.3	30.0	30.2	30.0	30.7	32.0	31.5	32.5	31.3	31.0	31.0	30.7	31.0	30.4	22
23	30.3	30.7	30.7	30.0	30.0	30.0	30.7	32.5	31.7	32.0	31.5	30.7	32.0	30.7	30.7	30.4	23

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

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

MAY, 1943.

.22000 + (C.G.S. Unit)

Hour \ Day	1d.	2a.	3d.	4a.	5a.	6a.	7a.	8a.	9a.	10a.	11a.	12d.	13d.	14a.	15a.	16a.	Day / Hour
Midnight	407	376	387	386	409	402	400	414	418	411	412	422	409	392	396	362	Midnight
1h	411	372	369	387	398	403	410	413	418	412	419	411	410	369	400	394	1h
2	410	379	390	401	412	410	410	418	419	417	421	422	412	410	400	393	2
3	410	395	396	430	413	411	411	416	419	419	420	420	418	401	409	390	3
4	411	400	398	420	411	410	412	422	421	422	422	419	410	404	409	392	4
5	420	398	400	418	414	418	413	423	423	421	426	429	416	409	398	397	5
6	419	399	402	419	415	414	415	423	423	425	427	428	427	407	418	400	6
7	407	406	408	423	417	419	417	426	426	430	432	427	430	415	369	406	7
8	415	402	411	426	420	427	420	429	430	432	436	427	434	413	365	415	8
9	382	399	412	418	425	430	424	429	435	436	445	437	445	419	379	424	9
10	370	402	412	416	433	435	425	430	434	440	454	438	447	420	368	429	10
11	362	418	419	428	431	439	432	428	430	442	443	433	426	424	377	426	11
Noon	370	417	419	428	428	437	430	421	422	439	438	422	409	426	378	432	Noon
13h	358	383	417	420	420	430	429	417	412	436	422	420	392	415	382	426	13h
14	331	375	408	410	418	425	422	410	404	430	417	411	388	389	377	415	14
15	331	386	396	400	410	418	417	408	406	428	416	402	398	361	369	395	15
16	340	385	389	393	398	414	411	416	409	432	419	403	390	388	364	371	16
17	348	376	390	397	397	414	411	417	412	428	423	406	395	394	368	366	17
18	358	369	390	402	397	411	417	419	418	432	432	409	392	397	370	382	18
19	345	357	365	403	397	402	413	419	418	432	437	410	381	397	370	387	19
20	336	399	378	401	398	399	412	419	416	427	438	410	375	394	371	383	20
21	342	381	400	400	399	399	411	420	413	420	423	409	390	396	379	380	21
22	334	380	382	401	400	401	413	419	413	420	421	409	389	398	381	381	22
23	348	382	390	406	401	405	412	416	413	417	421	406	390	398	363	371	23

.22000 + (C.G.S. Unit)

Hour \ Day	17a.	18a.	19a.	20a.	21a.	22a.	23a.	24a.	25a.	26a.	27a.	28d.	29d.	30a.	31a.	Mean	Day / Hour
Midnight	369	391	391	384	393	400	403	393	359	363	391	Clock stopped	Lights weak, no dots on sheet.	406	403	398	Midnight
1h	392	416	390	404	396	406	406	397	363	365	393			407	401	400	1h
2	392	400	406	392	399	409	410	396	378	391	396			401	404	403	2
3	394	400	405	397	398	411	412	401	386	390	400			401	409	406	3
4	396	404	400	393	396	412	416	409	409	391	405			400	409	406	4
5	393	410	400	392	397	413	420	405	400	395	411			410	410	410	5
6	401	416	404	394	399	417	420	412	399	399	419	397		408	410	412	6
7	406	390	400	399	405	421	430	431	413	403	419	406		412	417	415	7
8	410	395	398	400	409	422	434	422	416	418	417	410		412	416	417	8
9	419	401	392	400	411	420	433	430	409	427	420	403	418	410	422	418	9
10	426	400	402	396	406	420	426	432	417	426	412	412	402	409	436	420	10
11	418	399	398	400	407	417	419	427	402	420	407	418	393	390	433	417	11
Noon	413	396	390	400	407	417	418	412	370	417	408	413	403	403	432	414	Noon
13h	409	397	400	406	417	408	407	413	363	415	398	410	390	406	432	409	13h
14	414	389	393	414	417	409	406	409	390	406	397	386	394	405	428	404	14
15	410	369	386	409	414	411	388	409	391	402	396	360	399	402	420	399	15
16	400	359	382	393	409	410	369	406	379	399	400	385	398	400	412	395	16
17	399	383	370	392	402	408	398	406	379	398	401		399	402	413	396	17
18	397	384	377	391	406	408	398	398	360	397	402		399	402	415	398	18
19	394	381	382	391	407	408	399	377	380	392	400		399	399	410	396	19
20	387	380	376	390	404	406	396	369	377	386	402		401	399	407	394	20
21	388	388	381	389	400	402	398	363	372	363	403		401	401	409	394	21
22	396	389	385	390	401	401	396	362	379	369	406		399	402	410	395	22
23	402	388	386	391	407	401	393	361	386	389	401	Lights weak, no dots.	396	403	410	396	23

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

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

MAY, 1943.

.29000 + (C.G.S. Unit)

Hour \ Day	1a.	2a.	3a.	4d.	5a.	6a.	7d.	8a.	9d.	10d.	11d.	12d.	13a.	14d.	15a.	16a.	Hour \ Day
Midnight	996	1003	1000	1000	997	1001	997	995	997	997	992	991	994	996	994	996	Midnight
1h	994	1000	999	999	998	1000	997	994	996	996	992	992	993	996	994	995	1h
2	995	1000	998	997	993	999	997	993	995	996	992	991	993	992	994	995	2
3	995	997	998	991	994	997	995	993	994	994	992	990	992	994	994	996	3
4	996	996	998	996	995	997	995	993	993	993	992	991	992	994	994	996	4
5	996	998	1001	997	996	996	995	992	992	993	990	990	992	994	995	996	5
6	996	1000	1001	996	996	995	995	992	992	992	989	987	989	994	993	996	6
7	997	998	1002	996	998	995	997	993	991	991	988	986	987	991	994	993	7
8	1003	1000	1007	1002	1003	994	1003	998	997	994	992	989	990	994	1000	995	8
9	1009	1003	1008	1003	997	996	1003	998	1000	998	996	996	993	997	1001	996	9
10	1004	1003	1004	1002	1003	1003	1003	995	998	996	993	1001	994	996	1000	995	10
11	998	996	994	993	1003	997	993	991	994	986	986	996	988	993	993	991	11
Noon	996	990	989	989	1003	997	981	989	990	979	983	991	989	990	992	986	Noon
13h	997	994	986	991	996	996	977	991	985	976	980	986	990	986	996	981	13h
14	1000	996	986	989	984	994	974	989	984	973	972	986	991	991	995	970	14
15	1001	995	986	987	981	993	966	987	976	970	967	986	988	989	993	971	15
16	997	997	991	990	988	996	974	986	979	977	973	987	990	990	995	982	16
17	1001	1003	997	996	986	999	985	991	988	986	983	991	994	993	999	995	17
18	1007	1007	1001	999	984	999	991	996	993	990	988	993	997	994	1000	998	18
19	1008	1011	1003	1000	988	1001	993	997	994	992	990	992	996	994	1001	998	19
20	1009	1003	1002	1001	993	1002	994	998	996	993	990	992	995	996	1001	998	20
21	1008	1004	1002	1002	997	1002	996	998	995	993	992	992	998	995	1000	997	21
22	1007	1003	1001	1000	1000	1001	996	997	995	994	992	993	996	994	998	998	22
23	1007	1002	1002	999	1001	1000	996	997	996	994	992	993	996	995	997	998	23

.29,000 (C.G.S. Unit)

Hour \ Day	17a.	18d.	19a.	20a.	21a.	22a.	23a.	24a.	25d.	26a.	27d.	28a.	29a.	30a.	31a.	Mean	Hour \ Day
Midnight	998	994	996	998	996	994	996	997	1004	1000	996	997	1000	998	1000	997	Midnight
1h	994	995	994	994	994	994	995	996	1005	1000	999	997	1000	998	1000	996	1h
2	994	993	992	993	993	993	994	995	1002	999	998	993	999	999	1000	995	2
3	996	994	994	994	993	992	993	994	997	998	998	997	999	1001	1000	995	3
4	995	992	995	994	993	991	992	992	994	997	996	997	999	1001	1001	995	4
5	996	993	996	995	993	991	991	991	995	997	996	997	1000	1000	1002	995	5
6	995	993	996	996	993	991	991	987	994	997	996	996	999	1000	1003	995	6
7	993	995	997	996	991	989	987	985	993	996	994	996	1000	1000	1002	994	7
8	997	997	1000	998	995	991	990	994	995	997	997	998	1005	1003	1004	997	8
9	1000	997	1003	1002	998	993	995	996	999	996	1000	1001	1002	1003	1005	999	9
10	997	999	1000	994	998	990	997	993	1000	991	1000	1003	1000	1000	1003	999	10
11	994	996	994	985	993	987	994	992	1000	991	1001	1000	996	994	996	994	11
Noon	995	993	993	977	989	980	993	993	1002	991	1001	996	994	992	990	991	Noon
13h	993	993	986	974	987	979	986	991	996	990	996	992	992	992	990	989	13h
14	984	990	986	975	986	980	979	987	987	989	994	990	992	985	988	986	14
15	977	988	985	980	986	981	978	986	986	988	989	992	993	988	991	985	15
16	983	995	989	987	989	986	994	987	992	990	991	996	994	993	997	989	16
17	992	997	997	993	994	991	990	991	996	995	996	1001	1000	997	1003	994	17
18	997	999	1002	997	997	997	994	995	1003	998	998	1002	1003	1003	1003	998	18
19	998	1003	1002	999	997	997	996	998	1002	999	996	1005	1003	1005	1003	999	19
20	996	1001	1002	1000	998	997	996	999	1002	1000	997	1006	1002	1004	1003	999	20
21	999	1000	1002	1000	999	999	997	1002	1003	1000	997	1003	1000	1003	1002	999	21
22	997	998	1001	999	997	998	997	1003	1002	1001	995	1000	999	1001	1000	998	22
23	994	998	999	998	997	997	997	1005	1001	998	996	1000	1001	1001	999	996	23

TABLE VI.-RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION VACOAS (424.5 metres above mean sea level) during the Month of MAY, 1943.

Month and day, 1943.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	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 recorded by the Casella Pluviograph.	Duration	Dutation of Bright Sunshine	Percentage of Possible Sunshine.
MAY	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins	hrs.	%
1	969.2	21.6	2.9	17.1	75	19.5	100	3.5	6	16.0	22.3	22.2	16.6	23.8	17.6	6.2	...	...	10.4	92
2	968.9	20.9	3.1	15.8	73	17.9	75	2.4	6	17.6	21.8	22.6	16.1	23.6	16.5	7.3	...	...	10.2	91
3	967.7	23.1	3.9	16.8	68	19.1	340	0.9	4	14.9	24.0	22.5	20.9	25.5	14.8	10.7	0.4	15	6.1	54
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	966.9	22.9	1.9	20.0	84	23.4	345	1.6	5	16.5	23.2	25.1	20.5	27.2	16.0	11.2	...	...	9.3	63
5	969.0	24.7	4.5	17.6	65	20.1		Calm	3	17.2	24.3	23.1	20.0	27.0	15.6	11.2	6.6	50	7.5	67
6	971.9	21.9	2.3	16.3	80	21.0	90	7.2	1	16.9	22.1	22.2	19.0	23.1	16.6	4.5	...	...	10.0	69
7	972.4	18.2	0.6	17.2	94	19.6	90	5.6	9	16.8	17.6	20.8	17.0	21.8	16.0	5.8	3.1	80	8.6	77
8	971.7	20.0	1.9	16.9	82	19.2	95	5.4	6	15.2	20.9	21.0	17.8	22.9	14.9	8.0	1.5	25	9.8	88
9	969.8	19.7	2.0	16.4	81	18.7	95	4.0	8	16.5	22.1	21.8	17.9	23.5	16.5	7.0	0.3	10	9.7	87
10	968.9	21.5	3.8	15.2	68	17.3	70	5.6	4	17.8	22.2	22.0	17.6	23.3	17.8	5.5	3.3	50	10.7	96
11	968.8	21.7	2.7	17.3	76	19.8	50	3.6	6	17.5	22.1	22.9	18.6	23.6	17.2	6.6	2.2	35	9.6	86
12	965.8	22.4	2.3	18.6	80	21.7	360	3.8	6	16.3	22.9	20.9	19.9	24.7	18.0	6.7	15.2	90	3.6	33
13	963.7	21.9	2.0	18.8	83	21.7	265	4.2	7	19.4	22.8	23.7	18.0	24.8	18.8	6.0	...	...	8.8	79
14	966.2	19.9	1.1	18.1	90	20.8	110	3.1	10	17.9	19.0	23.8	18.2	21.2	17.3	3.9	15.8	175	4.3	39
15	969.0	20.2	2.6	15.9	76	18.1	95	5.6	4	17.8	21.0	20.8	17.2	23.0	17.2	5.8	0.1	5	10.4	93
16	970.0	21.3	4.5	13.5	61	15.5	80	3.1	0	15.4	21.5	22.0	17.5	23.4	14.6	8.8	...	...	10.2	92
17	968.7	20.7	2.5	16.6	78	18.9	85	2.7	10	16.3	21.0	20.5	19.0	22.5	16.2	6.3	3.1	40	0.7	7
18	967.0	22.1	2.1	16.8	82	21.7		Calm	9	18.2	22.5	23.9	19.2	24.3	17.7	6.6	11.3	115	3.9	36
19	966.9	22.2	1.6	19.4	84	22.5	40	2.2	10	19.0	22.6	22.9	21.2	23.9	18.9	5.0	5.9	80	1.7	16
20	966.6	22.7	2.0	19.6	83	22.8		Calm	7	19.7	22.7	24.6	17.9	25.6	18.5	7.1	...	...	9.5	86
21	966.7	20.7	2.9	15.8	74	17.9		Calm	1	15.0	21.3	22.8	17.0	24.3	14.7	9.6	0.1	5	10.9	95
22	966.5	21.7	2.9	17.0	75	19.4		Calm	6	14.3	21.9	22.4	17.8	26.5	14.1	12.4	...	...	6.2	56
23	967.1	21.3	3.0	16.4	74	18.7		Calm	7	17.5	22.1	20.6	17.4	23.3	16.8	6.5	...	...	4.7	43
24	968.7	21.5	2.9	16.8	75	19.1	110	1.6	2	16.1	21.8	21.8	17.5	25.0	15.9	9.1	...	...	8.7	80
25	969.0	20.9	2.8	16.3	75	18.5	125	1.1	2	17.0	21.4	22.5	16.4	23.9	16.0	7.9	...	...	10.2	93
26	968.9	21.5	2.6	17.3	77	19.8	95	2.2	3	15.5	22.0	23.1	19.1	24.8	15.3	9.5	0.1	10	10.5	96
27	969.6	21.0	2.3	17.2	79	19.6	115	2.7	4	16.9	22.3	21.9	16.5	23.3	18.0	5.3	0.1	5	10.4	95
28	971.1	20.8	2.4	16.9	78	19.2	120	5.6	3	16.3	21.2	20.8	17.2	22.0	18.8	3.2	...	...	10.5	96
29	971.6	19.9	4.3	12.3	62	14.3	95	6.7	8	15.9	20.3	20.6	17.6	22.0	14.3	7.7	0.4	10	7.6	71
30	971.5	18.9	1.7	15.9	83	16.1	90	4.9	5	16.8	19.5	18.6	17.0	22.0	15.8	6.2	8.0	145	5.7	52
31	971.9	17.7	0.9	16.2	91	18.4	85	2.7	9	16.3	17.0	19.7	16.5	20.4	16.0	4.4	12.1	170	5.4	50
Mean	968.8	21.2	2.6	16.9	77.3	19.4	..	3.0	5.6	17.2	21.6	22.1	18.2	23.6	16.6	7.2	89.6	1115	7.94	71.7
Average	969.2	21.6	2.1	18.2	81.0	20.9	..	4.2	5.5	...	...	...	...	23.6	17.5	6.1	169.0	...	7.09	63.8
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+ 41.7 mbs.
Temperature of the Air	+ 2.9°C.
Vapour Pressure	+ 2.3 mbs.
Relative Humidity	- 5.0%
Velocity of Wind	+ 0.8 m.p.s.
Amount of Cloud	- 0.6
Greatest Rainfall Intensity 11.2 mms. in 15 mins.	
Amount of Rain	- 46.6 mms.
Duration of Sunshine	+ 15.5 hrs.
Mean of Maximum Temperatures	+ 1.7°C.
Mean of Minimum Temperatures	+ 1.0°C.
Absolute Maximum Temperature	+ 0.6°C.
Absolute Minimum Temperature	0.0°C.

TABLE VII.-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of MAY, 1943.

Month & Day 1943	Atmospheric Pressure		Temperature of the Air.					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point		Relative Humidity (Sat. = 100)		Vapour Pressure	Minimum on the Grass	Rainfall		Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
	Mean	Excess above Average	Daily Minimum	Daily Maximum	Daily Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Dines Pluviograph.	Duration		
MAY	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs.	°C	mms.	min.	mms.	
1	1009.9	+ 1.2	26.0	18.9	7.1	22.0	- 1.3	2.6	17.6	- 2.1	77	- 4	20.4	15.7	0.0	...	3.8	2.6
2	1009.9	+ 1.1	25.6	16.5	9.1	20.6	- 2.6	2.8	16.0	- 3.6	75	- 6	18.2	13.3	0.0	...	4.1	2.0
3	1006.6	- 0.3	26.3	15.8	10.5	21.2	- 2.0	2.0	16.0	- 1.8	82	+ 1	20.6	11.4	0.0	...	4.9	4.7
4	1007.5	- 1.4	27.7	18.7	9.0	23.0	- 0.1	1.4	20.9	+ 1.2	88	+ 7	24.7	15.8	0.0	...	3.6	3.6
5	1009.9	+ 0.9	27.8	18.2	9.6	22.7	0.3	2.0	19.6	0.0	83	+ 2	22.8	15.5	0.0	...	4.5	2.9
6	1012.9	+ 3.8	26.1	20.4	5.7	22.7	0.9	2.6	16.6	- 0.7	78	- 2	21.4	16.7	0.0	...	4.5	1.6
7	1013.7	+ 4.5	25.1	17.3	7.8	21.0	- 1.6	3.1	15.9	- 3.3	73	- 7	18.1	12.6	0.0	...	4.1	3.9
8	1012.1	+ 2.8	25.4	16.7	8.7	21.0	- 1.7	3.0	16.1	- 3.0	74	- 6	18.3	12.1	0.0	...	5.4	3.4
9	1010.1	+ 0.8	25.7	16.5	9.2	21.2	- 1.4	2.4	17.3	- 1.7	79	- 1	19.8	13.1	1.6	75	4.4	4.3
10	1009.9	+ 0.5	25.1	18.0	7.1	21.4	- 1.1	2.5	17.3	- 1.6	78	- 2	19.8	16.2	1.6	140	4.8	3.7
11	1006.8	- 0.7	25.4	18.0	7.4	21.9	- 0.5	2.3	16.3	- 0.5	80	0	21.0	15.0	1.4	45	4.5	5.3
12	1004.8	- 4.8	26.2	19.2	7.0	22.8	+ 0.4	1.4	20.7	+ 1.9	88	+ 8	24.4	16.4	3.3	70	3.2	5.9
13	1004.0	- 5.7	27.2	18.6	8.6	23.3	+ 1.0	2.3	19.7	+ 1.0	81	+ 1	23.0	15.8	0.0	...	3.3	3.7
14	1006.7	- 3.0	24.6	16.9	7.7	20.7	- 1.6	1.7	18.0	- 0.7	84	+ 4	20.6	14.1	7.4	25	3.3	3.7
15	1010.4	+ 0.6	25.0	19.9	5.1	21.7	- 0.5	2.9	17.0	- 1.6	75	- 5	19.4	17.2	0.0	...	4.1	2.8
16	1011.1	+ 1.2	25.0	15.8	9.2	20.4	- 1.8	2.9	15.5	- 3.1	73	- 7	17.6	11.5	0.0	...	4.7	3.5
17	1008.8	- 1.2	23.9	18.4	5.5	21.6	- 0.5	2.1	18.3	- 0.2	82	+ 2	21.0	14.4	1.3	25	2.9	8.5
18	1007.2	- 2.9	25.2	18.3	6.9	21.8	- 0.2	1.2	20.0	+ 1.6	90	+ 10	23.4	14.6	4.5	110	3.0	6.7
19	1006.0	- 3.4	25.2	20.9	4.3	22.8	+ 0.8	0.9	21.5	+ 3.1	92	+ 12	25.6	16.8	15.2	170	3.2	9.3
20	1007.1	- 3.2	26.2	17.2	9.0	21.6	- 0.3	1.5	19.3	+ 0.9	87	+ 7	22.4	12.7	0.0	...	5.0	4.2
21	1006.9	- 3.5	25.5	15.6	9.9	20.1	- 1.8	1.9	17.0	- 1.4	83	+ 3	19.4	10.9	0.0	...	3.6	1.2
22	1006.7	- 3.7	25.6	15.7	10.1	20.1	- 1.7	1.7	17.3	- 1.0	84	+ 4	19.8	11.3	0.0	...	3.5	3.6
23	1008.4	- 2.1	24.5	17.9	6.6	20.8	- 1.0	1.6	18.3	0.0	85	+ 5	21.0	12.5	0.4	15	2.0	5.6
24	1009.8	- 0.7	25.1	16.0	9.1	20.4	- 1.3	2.2	16.8	- 1.4	80	0	19.1	10.3	0.0	...	2.3	1.7
25	1010.0	- 0.6	25.1	16.1	9.0	20.4	- 1.3	2.2	16.8	- 1.4	80	0	19.1	12.3	0.0	...	3.1	1.7
26	1009.9	- 0.7	26.1	16.0	10.1	20.5	- 1.1	1.9	17.4	- 0.5	83	+ 3	19.9	12.2	0.0	...	4.4	2.3
27	1011.1	+ 0.4	25.7	18.1	7.6	21.7	+ 0.1	2.2	18.2	+ 0.3	80	0	20.9	14.6	0.0	...	4.1	1.5
28	1012.7	+ 2.0	24.9	18.3	6.6	21.3	- 0.2	2.7	16.8	- 1.0	76	- 4	19.1	15.2	0.0	...	3.4	4.6
29	1012.9	+ 2.1	24.6	14.1	10.5	19.9	- 1.6	3.3	14.3	- 3.5	70	- 10	16.3	10.0	0.1	10	3.6	6.4
30	1012.5	+ 1.6	25.1	16.1	7.0	20.9	- 0.5	2.9	16.2	- 1.5	75	- 5	18.4	13.4	2.0	70	4.1	6.2
31	1013.3	+ 2.4	24.0	18.4	5.6	20.5	- 0.9	2.4	16.5	- 1.2	78	- 2	18.6	14.0	4.0	110	4.0	6.2
															Sum	Sum		
Mean	1009.5	- 0.4	25.5	17.6	7.9	21.3	- 0.9	2.2	17.6	- 0.8	80.4	+ 0.3	20.5	13.9	43.0	865	3.8	4.1
Aver.	1009.9	...	25.9	19.1	6.8	22.2	...	2.3	18.6	...	80.1	...	21.4	15.7	95.4	1340	3.8	4.8
Col.	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, 1943.

Apart from the 3rd-5th, 12th-13th and 19th-22nd, when the influence of distant southerly lows was noticeable, anticyclonic conditions prevailed.

Mean pressure was 0.4 mbs., and temperature 0.9°C below the normal.

For the fourth successive month rainfall was in defect, being only 45% of the average, but it was fairly evenly distributed.

Cloud amount was 15% less than normal.

Although on the 17th, 18th and 19th only 50 minutes sunshine was recorded, the month's total was 13% above the average. The other elements were about normal.

TABLE VII(Ctd.).-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of MAY, 1943.

Month and day 1943.	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
MAY	hrs.	%	m.p.s.	m.p.s.	°C	°C	°C	°C	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
1	10.5	93	3.2	- 0.1	25.4	26.1	26.3	25.1	b_o : b : bc : c : bc : b .
2	10.7	95	2.6	- 0.7	25.4	26.0	26.0	25.1	b : bc : b .
3	6.3	56	2.1	- 1.2	25.4	26.1	26.1	24.8	b : bc : c : o : bc .
4	10.5	93	1.7	- 1.6	25.5	26.1	25.9	24.9	b : bc .
5	8.6	76	2.0	- 1.3	25.4	26.1	25.9	25.2	bc : b : bc : c : b .
6	10.3	91	4.2	+ 0.9	25.4	26.1	25.9	25.2	b_o : b : bc : c : bc .
7	10.3	91	3.9	+ 0.6	25.4	26.1	25.8	25.1	bc : c : bc : b .
8	10.4	93	3.4	+ 0.1	25.4	26.1	25.8	24.6	b : bc : Cr_o : bc .
9	10.4	93	2.7	- 0.6	25.4	26.1	25.7	24.5	bc : c : bc : b : bcr_o : bc .
10	10.9	97	2.8	- 0.5	25.4	26.0	25.6	24.7	Cr_or_o : bc : b : bc : b .
11	9.1	81	3.0	- 0.3	25.4	25.9	25.6	24.9	Cr_o : bcr_o : bc .
12	4.2	36	3.6	+ 0.3	25.5	26.1	25.5	25.1	b : bc : c : Orr : Or_o : c : Or_or_o .
13	10.2	91	3.4	+ 0.1	25.5	26.0	25.5	24.9	bc : c : bc : c : bc : b : b_o .
14	7.3	65	2.9	- 0.4	25.5	25.7	25.5	24.7	b_o : b : CRR : c : bc : b .
15	10.3	92	3.9	+ 0.6	25.5	25.9	25.4	24.5	b : bc : b .
16	9.6	87	2.5	- 0.8	25.5	25.8	25.1	24.3	b : bc .
17	0.8	7	2.1	- 1.1	25.4	25.8	25.3	24.1	bc : c : cd_o : c : o .
18	3.6	32	1.4	- 1.6	25.4	25.8	25.2	24.2	bc : b : c : cR : c : Orr : e .
19	1.1	10	1.4	- 1.8	25.4	25.8	25.2	24.2	QRR : 0 : c : 0 .
20	10.5	95	1.5	- 1.7	25.4	25.5	25.2	24.6	c : bc : b : bc .
21	10.7	96	2.0	- 1.2	25.4	25.6	25.2	24.5	b .
22	6.5	59	1.7	- 1.5	25.4	25.3	25.2	24.2	b_o : b : bc : c : bc .
23	3.5	32	1.5	- 1.7	25.3	25.6	25.1	24.1	c : bc : b : c : bc : b .
24	10.2	93	2.4	- 0.8	25.4	25.6	25.0	23.9	b_o : b : bc : b .
25	10.5	95	2.2	- 1.0	25.3	25.6	24.9	23.9	b_o : b : bc : b : bc : b : b_o .
26	10.3	94	2.4	- 0.8	25.3	25.6	24.8	23.8	b_o : b : bc .
27	10.5	95	3.1	- 0.1	25.3	25.4	24.7	23.9	bc : b .
28	10.4	95	3.5	+ 0.3	25.3	25.3	24.6	23.9	b : bc : b .
29	8.1	74	3.3	0.0	25.3	25.2	24.6	23.6	b_o : b : c : bcq : c : bc .
30	8.0	73	4.0	+ 0.7	25.2	25.2	24.5	23.4	bc : cr_o : c : bc : Cr_or_o : c : Cr_o .
31	7.2	66	4.0	+ 0.7	25.2	25.2	24.4	23.3	c : bc : cq : cr_o : bc : b .
Mean	8.44	75.8	2.72	-0.54	25.39	25.76	25.34	24.42	
Aver.	7.39	66.4	3.26	...	25.61	26.29	25.51	25.03	
Col.	19	20	21	22	23	24	25	26	27

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MAY, 1943.

Element	Highest	Date	Lowest	Date
Atmospheric Pressure	1015.0mbs.	often.	1002.7mbs. at 15 & 16 hrs.	on 12th
Temperature of the Air	27.8°C at 13.05hrs.	on 5th.	14.1°C at 06.20 hrs.	on 29th.
Daily Range of Temperature of the Air	10.5°C	3rd & 29th.	4.3°C	on 19th.
Temperature of the Dew Point ...	23.4°C at 12.00 hrs.	on 4th.	12.7°C at 11.00 hrs.	on 29th.
Minimum on Grass			10.0°C	on 29th.
Relative Humidity	98.8% at 01 & 04hrs.	on19th.	53.3% at 12.00 hrs.	on 30th.
Vapour Pressure	28.8mbs. at 12.00 hrs.	on 4th.	14.7mbs. at 11.00 hrs.	on 29th.
Evaporation in 24 hours	5.4 mms.	on 8th.	2.0 mms.	on 23rd.
Wind Velocity	7.6m.p.s. at 11.00hrs.	on 7th.	0.6 m.p.s.	often
Rainfall in 24 hours	16.5 mms. ending 23.00 hrs.	on 19th.		
Duration of sunshine	10.9 hrs.	on 10th.	0.8 hr.	on 17th.

Mean Day Temperature of Air 23.28°C. Mean Night Temperature of Air 19.42°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 & over mms.	Lightning	Thunderstorm
...	12	16	3	...	2	8	1	1	...	...	...

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

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level). (The cistern of the barometer is 55.2 metres above mean sea-level).

MAY, 1943.

The initial 10 or 9 is omitted. The unit in the table is 0.1 millibar.

Day / Hour	1a.	2d.	3a.	4d.	5a.	6d.	7d.	8d.	9d.	10d.	11d.	12a.	13d.	14a.	15d.	16d.	Day / Hour
Midnight	106	107	108	091	095	120	150	136	116	111	103	080	036	059	096	117	Midnight
1h	105	106	104	090	096	120	149	131	110	109	100	075	035	052	095	112	1h
2	100	102	099	082	092	119	143	126	106	102	098	070	031	052	092	111	2
3	098	100	092	077	089	115	139	125	102	100	094	065	031	050	091	110	3
4	098	099	083	069	086	116	137	122	101	098	092	061	030	049	091	108	4
5	097	098	080	068	086	117	132	120	099	097	091	059	029	049	093	109	5
6	097	100	082	070	091	121	135	122	101	099	095	059	031	052	098	110	6
7	100	108	091	072	099	126	139	129	104	100	099	061	037	060	102	118	7
8	101	109	092	078	102	133	145	131	106	102	099	061	041	065	107	120	8
9	103	110	095	082	109	138	149	131	109	105	100	060	042	070	112	123	9
10	103	110	092	083	111	141	149	132	110	108	101	060	049	075	112	125	10
11	102	103	089	078	107	138	142	129	104	102	092	053	045	075	107	120	11
Noon	095	095	080	071	099	128	136	121	095	099	088	047	040	068	102	111	Noon
13h	093	088	078	063	095	121	128	117	090	092	080	038	034	060	098	102	13h
14	090	082	072	060	090	116	122	110	084	089	072	028	030	059	092	098	14
15	088	080	070	059	089	117	121	109	081	086	073	027	030	058	093	096	15
16	089	080	070	061	086	120	122	109	081	087	074	027	031	059	098	098	16
17	092	082	072	066	090	122	129	110	090	089	078	028	037	063	100	101	17
18	095	090	075	069	093	129	132	111	095	091	079	032	041	070	107	107	18
19	102	097	076	072	100	134	136	112	099	094	079	032	045	078	110	108	19
20	106	105	089	082	109	141	141	119	105	102	082	040	051	089	115	111	20
21	108	110	090	089	112	149	140	120	111	105	090	040	058	092	121	115	21
22	104	109	091	090	116	150	140	120	112	105	088	040	059	097	122	117	22
23	108	110	092	092	120	150	139	119	111	106	085	039	060	098	121	115	23

The initial 10 or 9 is omitted. The unit in the table is 0.1 millibar.

Day / Hour	17d.	18a.	19d.	20d.	21a.	22d.	23d.	24a.	25d.	26d.	27d.	28d.	29a.	30d.	31d.	Mean	Day / Hour
Midnight	111	083	077	071	080	078	077	106	106	102	110	128	140	129	135	102	Midnight
1h	109	078	072	070	078	077	076	102	105	101	109	125	141	127	132	100	1h
2	101	071	071	069	074	074	074	099	102	099	106	121	139	122	130	096	2
3	095	064	068	067	070	069	072	093	099	095	102	118	135	121	128	093	3
4	091	062	066	065	066	065	072	092	093	095	101	119	132	120	129	091	4
5	090	063	067	063	062	063	072	091	095	094	101	118	131	121	129	090	5
6	093	069	069	068	061	067	073	094	097	095	103	120	132	126	130	092	6
7	098	075	072	072	065	071	078	099	100	099	111	123	139	131	135	097	7
8	099	081	076	078	072	072	083	101	102	101	118	132	142	135	139	101	8
9	101	085	079	082	079	077	090	105	109	107	119	136	143	140	142	104	9
10	104	085	082	081	080	075	090	104	108	108	120	138	141	135	146	105	10
11	101	081	080	078	075	069	085	100	102	101	116	132	136	130	143	100	11
Noon	092	076	072	072	070	061	082	092	096	095	110	126	128	122	136	094	Noon
13h	080	067	063	065	063	053	076	089	091	090	101	118	120	113	127	087	13h
14	075	060	058	062	058	050	073	083	085	088	098	115	115	111	120	083	14
15	070	059	052	060	052	050	073	082	085	088	098	113	110	110	120	081	15
16	070	061	052	061	052	052	076	088	090	087	099	115	110	111	120	082	16
17	071	064	056	062	058	057	081	092	093	090	104	120	112	113	121	085	17
18	072	068	059	068	061	063	085	099	099	093	111	128	119	120	127	090	18
19	076	071	063	070	066	068	093	102	101	102	117	132	120	123	133	094	19
20	081	076	069	079	072	073	100	109	106	109	122	139	122	131	139	100	20
21	083	079	071	082	076	077	104	111	108	111	128	141	127	132	146	104	21
22	082	080	071	082	076	077	107	110	109	112	129	141	128	134	142	105	22
23	081	079	070	083	079	077	107	111	109	111	129	142	129	136	141	105	23

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

Hour \ Day	MAY, 1943.																															
	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 23	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	0	1	0	1	2	0	0	1	3	8	10	1	6	0	0	2	6	6	10	8	0	0	7	0	0	3	1	2	6	7	7	3.2
1h	0	1	0	1	0	0	2	1	3	8	6	1	6	0	0	2	6	6	10	8	0	0	7	0	0	3	1	2	6	7	7	3.0
2	0	1	0	1	0	0	2	1	3	8	6	1	7	0	0	2	7	6	10	8	0	0	9	0	0	3	1	2	6	7	7	3.2
3	0	1	0	1	0	0	3	1	3	9	3	1	8	0	0	2	8	4	10	8	0	0	9	0	0	3	1	2	6	7	7	3.1
4	0	1	0	1	0	0	3	1	3	9	5	1	7	0	0	2	6	3	10	8	0	0	7	0	3	3	1	2	7	7	7	3.1
5	4	1	0	2	2	0	3	1	3	7	7	1	4	0	2	2	5	1	10	1	1	0	7	0	3	3	1	2	8	7	6	3.0
6	7	1	5	2	2	1	3	1	4	2	8	1	2	0	4	2	4	1	9	1	1	1	5	0	3	3	1	2	9	7	5	3.1
7	7	1	4	2	1	1	6	1	5	1	6	2	3	0	4	2	7	1	9	1	1	1	4	0	2	3	1	2	7	7	4	3.1
8	7	3	3	3	1	1	6	2	6	1	8	7	4	2	4	3	6	4	9	3	1	1	4	0	2	2	2	5	7	6	6	3.8
9	5	5	2	3	3	2	9	3	6	0	4	9	5	3	4	3	10	7	9	4	0	1	2	1	2	2	3	8	3	5	6	4.2
10	5	5	5	4	4	3	8	3	7	2	5	9	7	5	3	4	10	7	9	4	2	2	7	2	3	2	3	8	6	4	7	5.0
11	4	4	6	6	6	4	7	4	6	2	4	9	7	6	3	4	10	7	9	4	1	2	8	2	3	2	3	7	4	6	8	5.1
Noon	4	4	7	7	6	6	6	4	6	3	4	9	9	6	3	5	10	9	9	5	1	3	8	4	4	3	3	6	2	7	6	5.6
13h	4	4	8	7	7	4	6	4	5	3	5	9	4	8	4	6	10	9	9	6	2	5	8	3	4	3	2	6	3	7	6	5.5
14	3	4	8	6	7	4	6	5	3	3	6	9	4	7	5	6	10	8	9	4	2	7	8	3	3	3	2	6	5	6	8	5.6
15	3	5	9	6	8	3	6	6	3	3	4	9	4	7	5	6	10	6	9	4	2	8	9	2	2	3	2	4	7	6	8	5.5
16	2	3	9	5	8	3	5	6	3	2	5	9	2	6	4	5	10	6	10	4	2	6	7	3	1	4	2	7	8	8	6	5.4
17	1	1	9	5	8	3	3	6	1	1	5	9	1	8	3	5	10	8	10	4	2	8	6	3	1	2	1	6	6	5	5	4.8
18	1	1	9	4	6	3	3	6	1	1	5	9	1	6	2	4	10	9	9	4	1	8	4	3	1	1	1	9	9	2	4	4.5
19	1	1	9	5	0	2	2	7	4	1	4	9	1	6	4	4	10	10	9	4	2	6	3	3	1	1	1	6	8	2	2	4.2
20	1	0	5	5	0	2	1	7	6	2	6	10	0	4	2	3	9	10	9	3	2	7	2	3	0	1	1	3	6	6	5	4.0
21	1	0	5	4	0	1	1	3	6	2	6	4	0	4	3	2	9	9	9	3	2	4	2	3	0	1	1	3	7	8	7	3.6
22	1	0	5	3	0	1	1	3	6	5	6	5	0	3	3	3	9	9	9	3	2	4	3	3	0	1	1	3	7	6	8	3.6
23	1	0	5	2	0	0	1	3	6	6	6	5	0	1	3	3	9	9	9	3	2	4	3	3	0	1	1	3	7	6	6	3.5

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

Hour ENDING \ Day	MAY, 1943.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
7	0	12	18	20	20	2	10	20	15	30	0	0	20	30	16	17	0	11	0	18	28	22	8	22	20	17	15	15	15	0	4	7.1
8	60	60	36	60	60	60	60	60	60	60	25	12	50	60	60	53	38	60	5	60	60	60	47	60	60	60	60	60	58	52	60	27.3
9	60	60	60	60	60	60	60	60	60	60	60	50	60	60	60	60	0	50	27	60	60	60	60	60	60	60	60	60	20	44	60	28.1
10	60	60	50	60	60	60	60	60	60	60	60	55	60	60	60	60	8	0	3	60	60	60	60	60	60	60	60	60	34	56	60	27.4
11	60	60	60	60	60	60	60	60	60	60	60	8	60	6	60	60	0	5	12	60	60	60	17	60	60	60	60	60	37	60	48	25.2
Noon	60	60	60	60	60	60	60	60	60	60	60	5	45	20	60	55	0	3	10	60	60	60	2	60	60	60	60	60	58	60	37	24.9
13h	60	60	60	60	60	60	60	60	60	60	60	30	60	37	60	50	0	16	1	60	60	20	13	60	60	60	60	60	52	50	50	25.4
14	60	60	20	60	30	60	60	60	60	60	60	20	60	60	60	49	0	43	6	60	60	8	4	60	60	60	60	60	48	50	26	24.1
15	60	60	8	60	30	60	60	60	60	60	60	14	60	56	60	52	6	25	3	58	60	0	0	60	60	60	60	60	45	52	46	23.6
16	60	60	7	60	60	60	60	55	60	60	36	18	60	42	60	60	0	4	0	60	60	6	0	48	60	60	60	60	60	45	23	23.0
17	60	60	2	60	19	60	60	60	60	60	45	41	60	8	60	56	0	0	0	60	60	37	0	60	60	60	60	60	55	6	16	21.7
18	30	30	0	10	0	15	6	10	6	25	0	0	20	0	4	5	0	0	0	10	13	0	0	3	8	2	10	10	2	5	4	3.8
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 261.6 hours and the Total Possible Sunshine was 345.4 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).

MAY, 1943.

Day / Hour	1a. Air	1a. Excess of air over Evap.	2d. Air	2d. Excess of air over Evap.	3a. Air	3a. Excess of air over Evap.	4a. Air	4a. Excess of air over Evap.	5d. Air	5d. Excess of air over Evap.	6d. Air	6d. Excess of air over Evap.	7a. Air	7a. Excess of air over Evap.	8a. Air	8a. Excess of air over Evap.	Day / Hour
Midnight	20.1	1.9	19.0	1.6	16.4	1.0	20.4	0.7	20.8	0.8	21.8	1.6	20.2	2.0	17.3	2.1	Mid-night
1h	20.5	2.2	18.2	1.5	16.5	1.5	20.1	0.7	20.2	0.9	21.6	1.7	19.8	2.2	16.9	2.0	1h
2	20.6	2.3	17.3	1.4	15.9	1.7	20.0	0.8	19.6	0.8	21.7	1.9	19.9	1.9	17.1	2.1	2
3	20.7	2.3	17.8	1.6	15.8	1.7	20.1	0.6	19.3	0.8	21.2	1.7	19.4	2.2	17.8	2.3	3
4	20.1	1.8	18.0	1.6	15.8	1.6	19.4	0.4	18.9	0.7	20.6	0.9	18.4	1.7	18.0	2.0	4
5	19.7	1.5	17.2	1.0	16.0	1.5	19.0	0.7	18.6	0.7	20.5	1.3	18.1	1.6	17.7	2.0	5
6	19.1	0.9	17.1	0.9	16.1	1.3	18.9	0.8	18.4	0.7	20.4	1.4	18.0	1.6	18.8	2.4	6
7	19.1	0.9	17.9	1.4	16.4	0.5	18.8	0.7	18.8	0.9	21.1	1.5	18.6	2.0	19.9	2.4	7
8	23.0	3.0	21.1	2.6	19.6	1.1	22.0	0.4	22.0	1.3	23.2	2.7	22.2	2.4	21.8	2.8	8
9	24.1	2.4	23.9	3.7	23.6	2.7	24.4	0.6	25.1	3.7	24.4	3.6	22.5	3.0	23.7	4.6	9
10	24.7	3.1	24.3	4.6	24.1	3.1	26.2	1.9	25.7	3.9	24.8	3.4	23.8	3.9	24.2	4.7	10
11	25.3	3.4	24.7	4.7	25.0	3.2	27.1	2.5	27.1	3.8	25.1	3.7	23.9	4.4	24.7	5.1	11
Noon	25.7	3.9	25.3	5.5	25.7	3.6	27.5	2.8	27.5	3.5	25.3	3.7	24.0	4.0	24.9	5.1	Noon
13h	25.3	4.3	25.2	5.2	26.3	3.8	27.2	2.7	27.5	4.1	25.0	4.7	24.3	5.0	24.3	4.8	13h
14	25.2	4.6	25.1	5.3	26.1	3.3	26.7	2.4	26.8	3.0	25.5	4.5	24.2	5.0	24.5	4.7	14
15	24.9	4.4	24.6	4.7	26.0	3.2	26.6	3.0	24.7	2.8	25.1	4.5	24.2	6.1	24.2	4.5	15
16	24.7	4.4	24.2	4.9	25.6	2.7	26.3	2.8	25.1	2.3	24.5	3.6	23.7	5.0	23.2	3.9	16
17	23.4	3.4	23.0	4.2	24.8	2.4	25.4	2.4	24.2	2.4	23.3	2.5	22.4	4.3	22.6	3.9	17
18	21.9	2.6	21.1	2.7	23.9	1.7	24.2	1.7	23.2	2.0	22.4	2.5	21.0	3.3	21.2	3.1	18
19	21.1	2.3	19.2	2.0	22.5	1.3	23.0	1.3	22.5	1.7	21.9	2.4	19.7	2.6	20.6	2.6	19
20	21.0	2.6	18.3	1.5	21.9	1.1	22.2	1.0	22.2	1.4	21.3	2.1	19.2	2.3	20.2	1.1	20
21	19.5	1.7	17.9	1.5	21.1	0.9	22.1	0.6	21.6	1.6	21.2	2.0	20.1	3.3	19.7	1.6	21
22	19.2	1.6	17.4	1.5	20.5	1.0	22.0	1.0	21.9	1.7	21.4	2.3	19.6	3.4	20.0	1.4	22
23	19.3	1.6	17.2	1.6	20.4	0.9	21.3	0.7	21.7	1.8	21.1	2.2	18.5	2.5	19.6	1.7	23

Day / Hour	9d. Air	9d. Excess of air over Evap.	10d. Air	10d. Excess of air over Evap.	11a. Air	11a. Excess of air over Evap.	12a. Air	12a. Excess of air over Evap.	13d. Air	13d. Excess of air over Evap.	14a. Air	14a. Excess of air over Evap.	15d. Air	15d. Excess of air over Evap.	16a. Air	16a. Excess of air over Evap.	Day / Hour
Midnight	19.3	1.5	20.3	0.5	18.0	1.0	20.3	1.2	23.1	1.6	18.8	1.1	20.7	1.6	19.2	2.2	Mid-night
1h	18.7	1.6	20.3	0.4	19.9	1.1	20.7	1.0	23.1	1.6	18.6	1.0	20.9	1.6	18.6	2.0	1h
2	18.7	1.7	20.2	0.4	20.0	1.0	20.8	1.2	22.9	1.7	17.9	1.0	20.6	1.8	18.1	2.1	2
3	17.6	1.1	20.2	0.5	18.9	0.6	20.6	1.1	23.0	1.7	17.6	1.0	20.7	1.6	17.0	1.6	3
4	17.3	1.0	20.0	0.9	19.9	0.9	19.9	0.7	22.7	1.7	17.4	1.0	20.6	1.9	16.5	1.7	4
5	16.9	0.9	19.8	0.6	20.0	1.1	19.8	0.7	22.4	1.7	17.1	1.1	20.5	1.7	16.6	1.9	5
6	17.1	0.9	18.9	0.9	19.9	0.8	19.9	0.6	22.1	1.8	17.2	1.0	20.3	1.8	15.9	0.9	6
7	17.0	0.9	19.0	1.0	19.9	0.9	19.6	0.6	22.1	1.8	17.8	1.1	20.0	1.9	16.3	1.2	7
8	21.8	2.0	21.2	1.6	21.3	1.0	21.4	0.6	23.5	2.0	21.5	1.5	21.6	2.6	19.1	1.1	8
9	23.3	3.1	23.6	4.0	24.0	3.2	23.7	1.5	25.0	2.9	23.1	2.2	23.1	4.2	23.2	4.5	9
10	24.1	3.4	24.1	4.3	24.4	3.5	25.1	2.6	26.2	3.2	24.3	3.3	23.9	4.4	23.9	5.1	10
11	24.0	4.0	24.7	4.7	24.7	4.2	25.7	3.1	25.8	2.8	21.0	0.9	24.2	4.2	24.3	5.7	11
Noon	24.7	4.1	25.0	5.0	24.9	4.2	25.6	2.6	26.3	3.1	21.0	0.9	24.1	3.6	24.3	5.3	Noon
13h	25.0	4.7	24.5	4.9	24.7	4.0	26.1	2.4	27.0	4.0	23.2	3.1	24.7	4.7	24.5	5.0	13h
14	25.1	5.0	24.9	5.6	24.8	4.2	25.3	1.7	27.0	4.1	23.5	3.3	24.4	4.6	25.0	5.5	14
15	24.8	4.6	24.4	5.3	24.2	3.5	25.2	1.7	26.3	4.1	23.7	3.4	24.0	5.0	23.8	4.2	15
16	24.4	4.6	23.9	4.7	24.0	4.0	24.8	1.5	25.7	3.6	23.6	2.6	23.3	4.9	23.6	4.3	16
17	23.3	3.6	23.0	4.0	23.3	3.2	24.6	1.4	25.0	3.0	22.2	2.1	22.3	1.6	22.6	4.0	17
18	21.5	2.0	20.7	2.5	22.2	2.4	22.7	1.3	23.5	2.3	21.8	1.9	21.2	3.4	21.2	2.6	18
19	20.1	1.7	20.3	2.3	21.2	2.0	23.1	1.3	20.6	1.3	21.0	1.7	20.2	2.4	19.6	2.3	19
20	20.0	1.0	19.6	1.7	21.2	2.0	22.4	1.0	20.2	1.1	20.8	1.5	20.0	2.2	19.2	1.6	20
21	21.0	1.2	19.2	1.3	20.7	1.5	22.5	1.1	19.8	1.1	21.2	1.9	20.1	2.3	16.7	1.6	21
22	20.6	1.0	19.0	1.3	20.6	1.3	22.9	1.4	19.1	1.1	20.9	1.5	19.9	2.3	18.9	1.6	22
23	20.8	0.9	18.1	1.1	20.5	1.4	23.1	1.6	18.6	1.0	20.9	1.7	19.7	2.4	19.1	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).

MAY, 1943.

Day / Hour	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	19.6	1.8	21.3	1.0	21.1	0.3	20.9	0.8	17.2	1.3	17.0	1.2	19.2	0.4	19.4	1.9	Midnight
1h	19.2	2.2	20.8	0.7	21.1	0.1	20.7	0.6	16.7	1.3	16.5	1.4	19.6	0.6	16.4	1.7	1h
2	18.7	1.6	20.7	0.7	21.2	0.2	20.8	0.8	16.3	1.2	16.2	1.2	19.8	0.8	17.3	1.2	2
3	19.4	2.0	20.3	1.6	21.1	0.2	20.3	0.6	16.0	1.0	16.1	1.2	19.8	0.8	17.0	1.1	3
4	19.6	2.2	19.2	1.1	21.1	0.1	19.8	0.6	15.9	1.0	16.0	1.1	19.0	1.0	16.7	1.5	4
5	19.5	2.0	18.6	1.0	21.2	0.2	19.6	0.5	15.9	1.0	15.9	1.1	18.2	1.1	16.2	1.2	5
6	19.4	1.8	18.6	1.1	21.3	0.3	19.6	0.9	15.8	1.0	15.9	1.2	18.0	1.0	16.3	1.2	6
7	19.8	1.8	18.7	1.0	21.2	0.2	19.0	0.6	16.0	1.0	16.2	1.0	19.0	0.9	16.8	0.8	7
8	22.0	2.9	21.5	1.3	21.8	0.4	21.7	1.2	19.6	1.3	19.0	1.6	20.3	1.2	20.4	0.9	8
9	23.2	3.4	23.6	1.5	23.8	1.0	23.5	1.1	22.5	2.3	22.6	1.8	23.0	2.4	22.8	2.8	9
10	23.8	3.8	21.6	1.2	24.0	1.3	25.2	2.2	23.4	2.9	23.6	2.2	24.2	3.5	23.5	3.4	10
11	22.1	1.9	22.3	1.2	24.8	1.8	25.0	2.5	24.8	3.2	24.7	3.4	24.0	2.4	24.0	3.7	11
Noon	23.0	2.8	24.0	1.5	25.1	2.1	25.7	3.0	25.1	4.1	25.1	3.5	24.1	2.6	24.5	4.0	Noon
13h	23.5	3.0	24.3	1.9	25.2	2.2	25.2	2.7	25.1	3.6	24.7	3.1	24.4	3.3	24.8	4.3	13h
14	23.2	2.3	24.7	2.4	25.0	2.0	25.3	3.1	25.2	3.5	24.5	3.4	23.6	1.7	24.8	3.3	14
15	23.7	3.3	24.2	1.8	24.7	1.9	25.1	3.1	25.0	3.5	24.0	3.0	23.1	2.8	24.3	4.2	15
16	23.3	2.4	24.2	2.2	24.4	1.5	24.7	2.9	24.7	3.6	22.4	1.7	22.1	1.2	23.7	3.7	16
17	23.2	2.3	23.5	1.8	24.0	1.1	23.2	2.2	23.5	2.5	22.2	2.2	21.6	1.6	22.8	3.1	17
18	22.3	1.8	22.9	1.1	23.7	0.9	21.6	1.5	21.7	2.0	21.5	1.7	20.5	1.6	21.2	2.2	18
19	22.0	1.5	22.3	0.8	23.2	0.7	20.2	1.2	19.6	1.4	20.2	1.1	19.3	1.3	20.2	2.1	19
20	22.0	1.1	21.9	0.9	22.6	0.8	19.6	1.4	18.6	0.8	20.0	0.9	19.2	1.5	19.4	1.5	20
21	21.9	1.0	21.5	0.5	22.6	0.7	18.7	0.8	18.7	1.2	19.7	0.8	18.6	1.3	18.9	1.2	21
22	21.9	0.9	21.6	0.5	22.0	0.9	18.2	1.2	18.1	1.2	19.0	0.9	18.5	1.2	18.7	1.1	22
23	21.9	1.2	21.4	0.4	21.4	0.7	17.6	1.3	17.4	1.3	19.3	0.6	19.1	1.1	18.6	1.6	

Day / Hour	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	18.9	1.4	16.4	0.7	18.3	0.8	19.4	1.3	18.3	2.3	19.1	1.6	19.2	2.4	19.4	1.4	Midnight
1h	18.5	1.4	16.8	1.0	18.8	1.0	19.9	1.0	17.3	1.8	19.2	2.8	18.7	0.9	19.3	1.4	1h
2	18.0	0.5	16.2	1.2	18.7	0.7	19.8	1.0	16.2	1.2	18.6	2.5	19.4	2.4	19.0	1.3	2
3	18.2	1.2	17.3	0.9	19.4	0.7	20.0	1.0	16.1	1.2	19.2	2.0	18.7	0.8	18.9	1.2	3
4	17.3	1.1	16.9	0.9	19.1	0.6	20.0	1.2	16.2	2.0	19.0	1.5	19.0	1.5	18.7	1.3	4
5	17.1	0.8	16.8	0.8	19.2	0.8	20.0	1.5	15.2	1.8	18.7	2.3	18.8	1.1	18.4	1.2	5
6	17.1	0.9	16.4	1.2	20.0	1.0	19.2	1.2	14.5	1.7	19.1	2.1	19.1	1.6	18.3	1.2	6
7	18.1	1.1	16.2	1.2	19.4	1.0	20.0	1.0	15.8	1.8	19.1	2.1	19.4	1.9	18.6	1.2	7
8	20.4	1.4	19.2	1.2	22.0	1.6	22.0	1.8	19.7	3.2	21.2	2.4	21.3	3.2	21.2	1.7	8
9	23.0	2.6	23.1	2.4	24.0	3.0	22.8	2.3	21.7	3.9	22.4	4.0	22.6	4.4	23.4	2.9	9
10	23.8	3.3	24.0	3.0	24.2	3.0	23.9	3.3	22.6	5.4	23.7	5.2	22.9	3.8	24.1	3.4	10
11	24.3	4.3	24.7	2.9	25.0	3.5	24.2	4.0	23.1	6.0	24.2	5.7	22.4	3.4	24.4	3.5	11
Noon	24.7	4.5	25.3	3.7	25.4	4.0	24.4	4.4	23.7	6.0	24.9	6.1	23.4	4.4	24.8	3.7	Noon
13h	24.5	4.1	25.6	3.8	25.0	3.7	24.2	4.2	24.0	5.5	24.0	4.2	22.5	3.1	24.9	3.9	13h
14	24.8	4.6	25.5	3.6	25.0	3.5	24.1	5.0	23.6	5.5	23.8	4.6	22.0	2.7	24.8	3.8	14
15	24.4	4.4	25.0	2.8	24.5	3.7	23.7	4.9	23.4	5.4	21.3	2.0	21.8	2.9	24.4	3.8	15
16	23.9	3.9	24.8	3.8	23.9	3.7	23.0	5.0	23.2	5.7	22.1	3.1	21.7	2.9	23.0	3.5	16
17	22.7	2.9	23.6	2.8	22.8	3.0	21.9	4.4	22.1	4.4	20.0	1.3	21.2	3.4	23.0	2.8	17
18	21.0	2.2	21.9	1.8	21.6	2.3	20.7	3.6	20.9	3.8	19.6	1.6	20.1	2.1	21.8	2.2	18
19	19.2	1.5	20.6	1.0	20.4	1.4	19.7	2.3	20.5	3.4	19.9	2.0	20.6	2.6	20.8	1.8	19
20	18.2	1.4	20.5	1.5	20.7	1.7	19.6	2.2	19.7	1.8	20.0	1.8	20.1	2.4	20.4	1.5	20
21	17.9	1.3	19.0	1.7	21.0	2.0	19.6	2.1	19.8	2.0	20.2	2.1	19.4	1.8	20.1	1.4	21
22	18.0	1.1	18.2	1.2	20.8	1.9	19.6	2.5	20.5	3.1	20.9	2.8	18.9	1.2	20.0	1.5	22
23	17.4	1.4	17.4	0.9	20.1	1.8	18.9	2.1	20.3	2.5	20.5	3.1	19.0	1.2	19.7	1.5	

TABLE XII.-DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during MAY, 1943.

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. 1943.

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.
Mid-night	12	1.6	09	1.7	12	1.7	12	1.3	17	1.6	12	2.9	11	1.8	11	1.9	10	2.1	d13	1.2	11	1.1	08	2.3	23	3.4	13	1.4	12	2.4	11	1.9
1h	13	2.1	10	0.9	12	1.8	12	1.5	17	1.5	12	2.3	11	2.3	11	1.7	10	1.9	14	0.9	11	1.6	08	2.1	24	3.8	14	2.0	11	2.8	11	1.7
2	13	2.0	10	0.8	12	2.5	12	1.2	14	1.6	13	3.1	11	2.6	11	2.3	10	2.0	14	1.1	11	1.9	08	1.4	23	3.6	15	1.7	11	3.1	11	1.8
3	11	3.2	12	1.7	11	2.6	12	0.9	13	1.8	13	3.1	11	2.5	11	2.0	11	1.9	14	1.1	11	2.4	08	1.9	22	4.4	16	1.6	11	2.9	11	1.8
4	12	2.3	12	1.9	11	1.9	11	1.6	12	1.9	13	2.5	11	2.1	11	1.9	11	1.6	12	1.8	12	2.1	08	1.3	21	3.8	16	1.5	12	2.7	11	2.0
5	12	2.1	12	1.4	11	2.2	11	1.5	12	1.8	13	1.8	11	1.5	11	1.9	11	2.0	14	1.3	11	2.2	08	1.3	21	3.7	10	1.2	12	2.7	11	2.2
6	11	2.5	12	1.5	11	1.9	11	2.0	12	1.9	13	2.4	11	2.1	11	1.8	12	1.5	13	2.2	10	3.6	08	1.8	22	2.4	10	1.8	12	3.5	11	2.1
7	11	1.9	12	1.8	11	2.3	11	1.5	12	1.8	11	3.1	11	2.6	11	1.6	12	1.1	13	2.9	06	1.2	06	1.4	22	2.2	10	1.3	12	2.6	11	2.1
8	12	1.9	12	1.3	11	1.6	11	0.9	12	1.1	10	4.2	10	3.5	12	3.0	12	2.9	12	3.2	07	2.3	08	1.8	25	3.9	10	1.2	12	3.8	11	2.1
9	11	4.3	11	3.8	06	1.4	11	1.0	12	1.2	11	5.5	12	5.4	12	4.9	13	3.4	12	4.7	09	4.6	03	4.3	22	4.6	09	3.0	12	5.4	10	3.1
10	09	5.0	11	4.4	06	2.1	r32	1.8	08	1.1	10	5.6	10	6.2	11	4.4	13	4.4	12	5.5	08	4.9	02	4.8	23	4.1	12	4.0	10	5.8	09	4.1
11	12	4.6	09	4.4	04	2.6	31	3.1	r32	1.5	10	5.5	10	7.6	11	6.4	12	4.8	12	5.1	06	4.5	02	5.6	22	4.8	14	3.8	12	6.0	09	3.5
Noon	09	3.9	08	4.1	03	3.4	31	2.9	29	2.3	12	7.0	12	6.7	10	5.4	10	5.1	12	5.3	06	5.1	02	6.2	21	5.4	12	3.4	09	6.2	09	3.1
13h	10	5.9	09	4.3	02	3.7	28	2.4	29	1.8	10	6.2	12	7.1	11	5.1	11	4.5	10	4.8	06	4.6	02	6.2	21	4.3	12	4.6	11	6.1	07	4.0
14	09	5.5	10	5.0	01	3.2	27	2.9	30	1.8	11	6.9	10	6.3	10	5.6	11	4.4	10	4.4	05	4.6	01	5.1	20	5.0	12	5.8	12	5.2	08	4.0
15	10	5.3	10	3.7	01	2.5	26	2.6	r10	2.9	10	6.4	10	6.9	10	4.9	11	3.9	09	4.1	07	4.7	30	6.3	20	5.4	13	5.6	12	5.9	10	3.0
16	10	4.9	11	4.2	02	3.1	27	3.0	10	2.4	10	6.0	12	6.1	11	4.5	11	3.8	10	4.1	06	3.8	31	5.1	21	4.9	12	4.7	12	5.5	10	3.7
17	11	4.0	10	2.8	01	2.0	28	2.1	12	1.9	10	5.6	09	4.5	12	4.2	12	2.4	10	3.2	08	3.2	29	4.9	22	3.2	12	4.4	11	4.3	09	2.4
18	12	2.7	10	2.1	01	1.1	27	1.1	12	1.9	11	3.9	12	3.1	11	3.0	12	1.4	10	1.9	07	2.7	30	4.2	22	2.2	12	3.1	11	2.0	10	1.8
19	12	2.2	12	2.2	01	1.1	26	0.7	13	2.0	11	3.6	12	2.6	11	2.9	12	2.0	10	2.9	08	2.9	26	3.2	22	1.8	12	2.2	11	2.6	09	1.5
20	14	1.6	12	2.2	01	1.1	27	1.1	13	2.0	11	3.5	12	2.0	10	2.8	13	2.3	10	2.0	08	2.3	25	4.4	21	1.2	12	2.4	11	2.9	11	1.9
21	14	2.6	11	1.8	07	1.4	27	1.1	13	3.1	11	3.3	11	2.8	10	2.0	12	3.2	10	1.8	08	2.3	26	3.1	19	1.4	11	3.1	11	2.8	11	2.2
22	13	1.9	12	1.8	07	1.4	r18	0.9	13	2.7	11	3.4	11	3.0	12	3.1	13	1.8	10	1.3	08	1.6	24	4.1	19	1.2	11	2.8	11	2.5	11	1.8
23	12	2.2	12	2.6	11	1.7	14	1.7	12	3.1	11	3.4	11	2.4	09	2.5	r02	0.8	10	1.1	08	1.9	24	4.4	20	1.5	11	2.8	12	2.8	11	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.	
Mid-night	12	2.5	r03	1.2	12	1.6	07	1.1	15	2.0	12	1.6	12	1.7	12	2.3	12	2.8	10	1.4	12	1.9	11	2.1	11	2.6	10	2.6	10	2.6	1.9
1h	12	1.6	03	1.2	12	1.0	07	0.7	15	1.9	12	1.3	12	1.1	12	2.0	12	1.8	10	1.9	12	1.5	11	3.0	11	1.7	12	2.7	10	2.6	1.8
2	12	2.4	03	1.1	r28	1.3	07	0.7	15	1.4	12	1.9	12	1.1	12	1.8	12	2.5	12	2.3	12	2.4	11	2.0	11	1.7	12	1.6	11	4.1	2.0
3	12	2.6	03	0.8	28	1.1	07	0.6	13	1.8	12	2.2	19	0.7	13	2.6	12	2.1	12	2.9	12	2.2	10	2.3	11	2.5	08	2.9	08	2.8	2.1
4	12	2.7	03	1.4	r18	0.8	07	0.6	13	1.6	12	2.2	19	0.7	12	1.9	12	1.6	12	2.6	12	2.6	12	2.4	10	2.2	12	1.8	08	4.3	2.0
5	12	2.3	03	1.6	18	1.0	07	0.6	13	1.9	12	1.7	19	1.1	12	2.3	12	1.8	12	2.4	12	3.2	12	2.4	11	1.6	12	2.0	10	3.7	2.9
6	13	2.0	a11	1.8	18	1.1	07	1.1	13	1.2	12	1.6	13	1.7	12	1.9	12	1.3	12	1.9	13	3.2	11	2.7	11	1.8	12	3.7	11	3.9	2.1
7	14	2.0	11	1.2	18	1.4	11	1.0	13	1.6	12	1.8	13	1.4	12	1.5	12	2.1	13	1.6	11	2.2	12	2.3	12	1.8	12	2.9	11	3.4	2.1
8	13	2.1	11	1.1	16	0.9	11	0.7	13	0.7	12	0.8	13	1.2	12	1.3	13	2.0	13	0.9	12	2.7	12	3.0	14	1.9	12	3.5	09	4.2	2.1
9	10	3.0	07	1.6	16	0.7	a22	1.5	a21	1.8	12	0.6	13	1.1	12	1.7	12	3.1	12	3.0	12	3.1	13	3.1	14	1.3	09	3.6	09	5.1	3.1
10	06	3.1	32	1.2	06	2.0	22	2.2	21	2.1	a22	2.0	15	1.2	11	2.6	10	3.6	10	3.5	12	4.1	12	5.2	11	4.1	11	5.3	09	5.9	3.8
11	12	2.5	02	0.7	05	3.0	22	1.6	26	3.0	26	1.9	d29	0.8	08	3.0	10	3.3	11	4.0	12	4.8	12	6.3	10	5.8	10	5.8	07	5.5	4.1
Noon	12	1.8	28	2.0	07	2.5	24	2.8	25	3.2	28	1.7	26	1.2	10	2.9	12	3.0	09	2.6	09	4.3	12	5.3	11	5.3	09	5.9	06	6.9	4.1
13h	14	1.1	28	1.7	06	2.9	24	2.3	24	3.9	03	1.2	23	1.7	10	3.4	11	3.1	10	3.4	12	4.4	09	5.7	12	5.2	11	5.9	09	5.5	4.1
14	09	2.6	02	2.9	07	2.4	23	2.6	23	3.1	a22	1.2	21	1.3	11	4.8	09	3.0	08	2.8	12	4.4	12	4.5	11	5.1	12	6.0	10	5.0	4.1
15	12	2.3	06	3.1	07	2.4	24	2.1	24	3.2	d02	2.2	r08	1.9	09	3.5	07	3.2	11	3.6	13	4.6	12	4.8	12	6.2	12	6.3	09	5.0	4.1
16	11	1.9	05	2.1	07	1.8	23	3.1	21	3.0	09	2.1	09	1.1	09	3.5	09	3.6	11	3.5	13	4.4	12	4.4	10	5.2	09	5.2	10	4.0	3.8
17	12	1.4	05	1.5	07	1.2	23	1.4	22	1.6	08	1.9	09	1.7	10	2.5	09	2.0	11	3.0	12	3.0	11	5.5	12	3.9	11	4.4	09	4.4	3.1
18	12	1.2	05	1.1	07	0.6	23	1.4	24	1.2	08	1.3	12	2.0	10	2.3	09	1.2	10	1.7	11	1.4	11	3.4	12	4.1	12	4.2	10	2.4	2.2
19	12	1.9	r25	1.1	06	0.6	23	0.7	24	1.1	08	1.4	12	2.0	12	1.5	09	1.4	10	1.8	11	2.9	11	2.7	19	2.6	12	2.4	10	3.0	2.1
20	12	1.9	28	1.2	07	0.7	23	0.7	r16	1.4	08	2.0	12	1.8	12	1.6	09	0.9	12	2.0	10	3.3	12	2.6	10	1.7	12	3.7	10	4.0	2.1
21	11	2.0	d12	1.2	07	0.7	23	1.4	12	1.2	09	2.4	12	2.1	12	2.5	10	1.4	13	1.2	10	3.0	12	2.3	10	3.6	12	4.1	11	2.3	2.2
22	11	2.0	12	0.9	07	0.6	r15	1.7	12	1.3	09	1.8	12	1.8	12	2.8	10	1.8	12	1.1	11	2.9	12	2.8	11	3.1	09	4.4	06	2.1	2.1
23	11	2.0	r20	0.8	07	0.6	15	1.8	12	1.8	09	1.2	13	2.2	12	2.3	10	1.4	13	1.3	11	1.8	12	2.7	12	3.2	10	4.2	12	2.5	2.1

TABLE XIII.-WIND FREQUENCY (NUMBER OF OCCASIONS), MAY, 1943.

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	-	4	1	20	1	1	-	1	1	-	-	1	-
9	-	1	30	-	-	1	1	5	2	17	1	1	-	1	2	-	-	-	-
15	-	7	24	1	1	-	1	7	7	9	-	-	-	1	-	2	[illegible]	-	1
21	-	-	31	-	-	-	-	4	5	17	1	-	-	1	-	1	1	1	-
Totals				1	1	2	2	20	15	63	3	2	-	4	3	3	2	2	1

TABLE XIVa.-RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for MAY, 1943.

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
1h	...	...	...	...	...	...	...	...	...	0.3	0.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...	...	3.1	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	0.1	1.1
4	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...	...	...	...	...	...	0.5	2.2
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5
6	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	0.2	...
7	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	7.0	...	...	...	...	7.7	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	1.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...
18	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	2.2	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	0.2	...	...	0.8	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	0.5	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4.2	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...	0.2	...
23	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	1.1	...	...	...	...	...	...	...	1.3	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...

TABLE XIVb.-RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for MAY, 1943.

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
1h	...	...	...	...	...	...	...	...	...	0.3	0.2	...	...	...	...	...	...	1.9	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.0	...	...	...	...	...	...	...	...	...	...	...	0.5
3	...	...	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...	...	2.0	...	...	...	...	...	...	...	...	...	...	0.1	3.2
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	0.1	...	1.1	...	...	...	...	...	...	...	0.2	...	0.1	...	...	...	...	0.1	...	...	...	...	0.4
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	1.5	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	1.6	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.0	0.8
10	...	...	...	...	...	...	0.3	...	...	...	...	...	...	2.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	1.2	...	...	...	...	...	...	0.6	...	...	...	0.8	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	3.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7
13h	...	...	...	...	2.6	...	...	...	...	...	...	...	...	0.1	...	...	...	0.2	0.5	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	3.0	...	...	...	...	...	...	0.2	...	3.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	0.7	...	3.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...
16	...	...	...	...	...	...	...	...	...	...	...	0.1	...	2.1	...	...	1.7	...	0.8	...	...	...	...	...	...	...	...	...	...	1.2	...
17	...	...	0.1	...	...	...	...	...	...	...	...	13.3	...	0.5	...	...	...	...	1.0	...	...	...	...	...	...	...	...	...	...	1.0	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	0.4	0.8	0.3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...	...	...	...	...	...	0.2	1.4
20	...	...	...	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	5.5	...	...	...	...	...	...	...	...	...	...	...	0.2	0.9
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8	...	...	...	...	...	...	...	...	...	...	...	0.3	1.1
22	...	...	...	...	...	...	...	0.7	...	...	...	...	...	...	...	...	...	0.7	...	...	...	...	...	...	...	...	...	...	...	0.1	0.9
23	...	...	0.3	...	1.0	...	...	0.8	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7
24	...	...	...	...	...	...	...	...	0.2	2.6	...	...	...	...	...	...	1.8	0.3	...	...	...	...	...	...	...	...	...	...	...	...	1.2

TABLE XV.-TOTAL MONTHLY RAINFALL at various Stations in MAURITIUS according to RIVER SYSTEMS indicated on the CHART for MAY, 1943.

RIVER SYSTEM.	STATIONS	Approximate Altitude in feet.	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Sèche	20	2.00	50.0	5.52	
	St. Antoine	50	1.10	27.9	4.41	
	Bel Mont	50			4.27	
	Poudre d'Or	20			4.22	
	Mon Loisir S.E.	300	2.14	54.4	5.61	6
	Forbach	300	1.54	39.1	4.63	6
	Couroupa	...			7.00	
	Labourdonnais	250	0.95	24.0	4.90	5
	Mapou Water Office			No record.		
	Beau Séjour	300	1.70	43.20	6.13	6
	Mont Piton	650	1.15	29.20	5.64	5
	Mon choix	700	0.89	22.60	5.16	4
	Antoinette	640	3.26	83.30	6.13	12
	Mon Songe	620	3.50	88.90	6.29	10
	Botanical Garden.	325	2.01	51.20	4.57	12
	The Observatory	179	1.69	43.00	3.92	12
	Solitude	175	1.53	38.90	3.62	4
	St. André-cour	90			4.10	
	La Nicolière	...	3.99	101.30	10.30	12
	California	...	3.81	96.80	6.06	8
	Australia	...	4.16	105.7	...	6
6	Union Regnard S.E.	600	3.00	76.2	7.66	7
	Constance La Gaite	100	2.23	56.60	5.93	8
	Rich Fund	600	3.60	91.40	8.61	11
	La Joffrette	...	3.75	95.30	...	8
	Belle Vue Allendy	...	2.79	70.90	7.62	8
4	Sans Souci	900	10.67	271.00	13.54	13
	Beau Champ G.R.S.E.	20	2.87	72.9	5.79	11
	Olivia	400	4.61	117.1	10.30	13
	Trois Ilots	...	4.27	108.5	...	12
	Belle Rive	400	6.52	165.6	13.65	14
	Sébastopol	700			...	
	Bonne Veine	400	5.85	148.6	10.27	13
5	Rose Belle	850	5.52	140.2	14.83	14
	New Grove	680	7.02	176.3	...	11
	Mon Trésor	...	6.89	175.0	...	12
	Mon Désert-Carie	75	2.44	62.0	7.10	11
	Ferney	20			9.45	
	Sauve Terre	...	2.70	68.6	...	10
6	Tivoli	1300	3.62	91.9	13.67	6
	La Flora	1050	4.22	107.2	14.06	13
	Riche Bois Britannia	650	4.67	118.6	8.92	12
	Britannia Estate	700	4.21	106.9	10.55	13
	Savannah Mill	200	4.76	120.9	7.87	9
	St. Aubin	300	3.67	93.2	6.75	9
	St. Avold	900	4.09	103.9	11.59	14
	Colmar	400	4.33	110.0	8.30	12
	Union S.E.	...	4.53	115.1	7.17	
	Fontenelle	320	3.52	89.4	7.24	
	Choisy	200	2.90	73.70	6.20	10
	Beau Bois	...	2.54	64.50	9.00	10
	Bel Air	...	5.55	141.00	6.74	7
	St. Félix	...	6.40	162.60	...	7
9	Bel Ombre	40	4.05	102.9	6.16	11
	Beau Champ B. ou Cap	70	3.39	86.1	6.03	12
	Frédérica	...	3.80	96.5	...	11
	Pierre Fonds	...	1.49	37.80	4.43	9
	Ste. Marie	...	3.26	82.8	...	12
	Hussonia	...			...	
7	Curepipe Gardens	1840	4.13	104.90	9.58	12
	Mare aux Vacoas G.E.	1850	4.67	118.60	13.23	14
	Mare aux Vacoas Arnaud	1830	5.26	134.10	12.74	17
	La Marie Filter Beds	1700	3.33	84.60	7.69	11
	Sophie			No record		
	Réunion	...	3.01	76.50	6.26	8
	Aerological Station	1393	3.53	89.60	7.75	19
	Phoenix	...	3.72	94.5	5.30	7
	Quatre Bornes	...	1.69	42.7	...	6
2	Quatre Bornes Board	1090	2.20	55.90	...	7
	Le Reduit Dep. of Agr.	1000	2.72	69.0	3.62	26
	Alma	1450	6.90	175.30	10.15	13
	Bagatelle	1250	3.44	87.4	5.31	9
	Highlands	1300	3.99	101.3	6.11	9
	Trianon	950	2.50	63.5	4.00	8
	Val Ory	1100			4.50	
	Bassin	...	1.46	37.1	4.90	7
	Hermitage	1450	3.74	95.0	9.65	9
	Eoène	...	3.61	91.7	...	10
	Bégà	...	2.98	75.7	...	10
	Mon Rêve	...	2.63	6.66	...	10
	Mont Pevril	...	2.55	64.6	...	10
	Minissy	1150	3.51	89.2	5.30	10
	Praislines	...			...	
	La Ferme	350	1.89	48.00	3.30	8
3	Line Barracks	...	2.70	68.50	...	9
	Richelieu Tobacco Res. Stn	...	2.95	75.00	...	13

TABLE XVI.-PILOT BALLOON OBSERVATIONS FOR THE MONTH OF MAY, 1943.

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,500 metres		2,000 metres		2,500 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.
1	12.10	101	4.5	106	4.4	116	8.7	123	10.1	124	13.7	146	7.1	...	...	...	...	...	...	...	...	...	...
2	8.50	101	2.2	112	3.2	112	7.2	114	7.9	112	8.0	082	3.4	349	0.5	306	2.7	208	2.1	228	3.0	257	2.6
3	17.02	360	3.3	354	4.6	349	6.3	345	7.7	336	9.7	333	17.4			(at 4,500m.)		216	4.7	at 5,000m.		235	6.7
4	7.52	146	1.4	216	0.9	327	4.0	324	5.6	317	7.2	304	6.7	298	5.1	264	5.6	260	4.2	283	6.5	270	13.5
5	9.05	135	0.9	086	1.5	051	0.7	022	1.1	332	0.7	227	2.0	236	5.1	265	6.0	275	6.6	261	10.2	282	9.3
6	9.18	135	4.5	119	20.2	117	21.8	117	21.4	119	18.1	187	4.0	191	3.6	134	7.1	222	5.4	224	9.5	241	7.5
7	16.52	105	5.5	119	10.0	116	15.2	115	21.6	115	21.1	111	4.2	143	5.3	169	5.5	163	1.4	161	8.2	206	7.6
8	7.13	123	0.5	128	11.3	119	11.9	115	11.2	100	9.3	360	0.8	007	1.1	132	2.7	172	2.0	213	5.7	210	6.7
9	13.59	112	3.9	110	15.0	107	12.8	104	10.5	117	6.6	246	6.8	306	2.0	360	0.7	198	1.3	198	7.1	...	...
10	9.10	124	2.7	107	8.4	111	7.9	110	7.5	113	11.5	118	8.0	...	...	...	...	...	...	...	...	...	...
11	9.36	079	4.0	066	4.2	091	8.8	070	7.1	066	8.0	071	8.2	072	5.7	028	2.7	010	1.2	...	...	...	...
12	9.50	034	2.7	026	5.0	021	7.7	004	8.0	358	6.5	...	...	...	...	...	...	...	...	...	...	...	...
13	9.20	270	2.7	259	4.7	261	7.8	261	9.7	268	10.9	...	...	...	...	...	...	...	...	...	...	...	...
14	9.14	124	0.9	132	7.0	133	10.5	142	10.3	134	6.1	...	...	...	...	...	...	...	...	...	...	...	...
15	9.09	140	2.7	120	5.5	129	9.1	134	8.2	160	4.0	156	3.4	245	4.5	280	2.4	020	1.4	204	6.9	239	8.6
16	9.26	106	2.7	107	8.5	098	7.6	093	7.3	097	7.8	073	2.7	285	3.9	313	1.5	063	0.4	261	1.8	268	6.2
																	4,500m.		5,000m.		5,500m.		6,000m.
17	8.32	123	1.3	113	7.1	087	7.3	081	7.2	063	6.5	059	2.0	038	1.8	(255	4.6	260	10.2	266	12.5	262	17.2
18	9.15	079	0.9	079	3.5	068	3.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	9.42	070	0.9	079	2.7	062	4.9	052	6.4	042	6.2	027	8.2	010	8.4	...	...	...	...	...	...	...	...
20	9.00	225	0.5	249	2.6	287	3.4	314	5.1	355	3.2	331	9.7	346	11.0	354	11.5	...	...	...	...	...	...
21	11.14	281	0.9	251	4.2	234	4.8	242	5.9	255	5.3	276	4.8	270	7.1	289	6.1	308	8.9	302	11.9	299	13.0
22	9.11	281	0.5	283	0.9	259	3.9	245	4.7	236	3.9	256	6.9	246	10.8	260	8.5	283	11.8	...	...	...	...
23	9.51	135	0.5	184	1.4	112	0.5	077	1.7	058	2.6	...	...	...	...	...	...	...	...	...	...	...	...
24	9.50	110	0.1	118	6.0	117	7.5	131	3.7	149	2.1	243	1.6	270	2.6	226	5.1	239	3.6	297	3.9	316	7.5
25	9.32	112	2.7	114	8.1	118	6.7	111	5.6	112	2.1	056	4.3	062	4.0	070	2.3	203	2.6	277	5.1	312	7.9
26	11.12	135	1.8	119	3.9	096	4.7	088	5.6	103	2.3	108	5.3	135	2.0	194	3.7	297	4.0	308	8.3	...	...
27	9.20	146	1.8	138	5.7	132	7.9	129	7.3	125	4.2	116	2.3	118	3.1	100	2.3	273	3.8	275	8.1	286	8.2
28	9.05	156	2.2	126	8.4	126	8.9	126	9.6	136	6.7	146	0.7	162	2.3	212	3.8	...	...	...	...	...	...
29	13.09	110	3.6	125	8.4	126	11.3	125	12.8	129	14.6	128	11.7	...	...	...	...	...	...	...	...	...	...
30	10.13	101	7.6	103	9.8	113	7.2	122	6.8	113	12.2	096	9.2	087	13.7	089	11.7	103	7.9	...	...	...	...
31	9.05	124	4.9	109	9.4	102	14.7	095	13.0	091	11.1	089	11.1	...	...	...	...	...	...	...	...	...	...

c.2

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20° 5' 39" S.-LONGITUDE 3h 50m 12.6s E.)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JUNE, 1943.

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 JUNE, 1943.

Month and day	Mean Declination (West)	Mean Horizontal Force (C.G.S. Units)	Mean Vertical Force (C.G.S. Units)	Daily Range ƒ Declination	Daily Range ƒ Horizontal Force	Daily Range ƒ Vertical Force
	'			Unit 1 γ		
JUNE	'			'		
1	14°....	.22419	.29995	...	42	21
2	29.6	410	996	3.5	60	14
3	29.4	409	997	2.8	32	15
4	29.5	415	995	4.3	23	15
5	...	420	994	...	25	14
6	...	418	992	...	35	17
7	29.9	407	997	4.3	42	12
8	29.5	389	999	6.8	54	24
9	...	368	...	...	40	..
10	...	394	...	...	38	..
11	29.7	402	.30002	3.6	31	13
12	29.9	400	004	4.3	46	13
13	30.2	402	001	5.0	22	36
14	29.8	401	002	3.5	29	22
15	30.6	406	003	3.8	27	14
16	30.4	413	002	2.8	21	19
17	30.5	418	001	2.3	18	16
18	30.8	423	.29999	4.0	28	29
19	30.8	429	996	2.6	58	31
20	30.8	408	.30003	6.0	42	20
21	30.8	406	002	4.3	70	16
22	30.4	405	...	5.4	28	..
23	30.8	405	...	5.3	65	..
24	30.2	405	005	5.2	33	9
25	30.5	405	004	4.0	23	10
26	30.8	408	001	2.0	26	17
27	30.8	412	000	3.0	23	22
28	30.8	414	.29999	3.0	89	21
29	...	405	.30001	...	32	20
30	31.0	416	.29998	3.3	39	20
..	...	...	...	...	..	..
Mean	14.30.31	.22406	.30000	3.97	36.0	18.5

HORIZONTAL FORCE.

6d. Slightly disturbed in parts.
7d. Commencement during second half of a slightly disturbed period of long duration ending on 14d. Minor irregular features throughout.
19d. to 26d. Slightly disturbed period of long duration. Very minor features throughout.
28d. Important positive wave (50γ) culminating at 10h. 20m. on a slightly disturbed trace. Another important positive wave (40γ) between 28d, 23h. and 29d, 1h.

T = .37445: Mean Dip = 53°14.66: (X = .21694: Y = .05612: Z = .30000)

ƒ 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, 1943.

Declination (West)		Horizontal Force		Dip (South)		Resulting
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	Vertical Force
d h m	° '	d h m		d h m	° '	
4.14.37	14.26. 7	3.10.10	.22431	4.14.44	53.12.75	.29987
11.14.39	14.28. 0	5.11.46	.22419	11.14.52	53.14.65	.29986
18.14.34	14.29. 7	10.11.10	.22399	18.14.41	53.12.12	.29972
25.14.42	14.30. 7	15.13.02	.22403	25.14.52	53.16.06	.30003
29.12.34	14.30. 0	21.11.57	.22424	29.12.45	53.13.94	.29994
		28.12.08	.22422			

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

JUNE, 1943.

14° +

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	30.7	29.7	30.3	29.5	30.0	30.0	29.7	30.0	31.5	30.5	31.0	31.0	31.0	31.0	30.7	30.7	Midnight
1h	30.7	29.7	30.3	29.5		29.5	29.5	30.3	31.3	30.3	30.7	31.0	31.0	30.0	30.5	31.0	1h
2		29.5	30.0	29.5		29.5	29.0	30.3	32.0	31.0	30.0	30.7	31.0	29.3	30.7	30.7	2
3		29.7	30.0	29.7		29.3	29.7	29.5	30.0		29.0	30.3	30.7	30.7	31.0	30.5	3
4		29.7	30.0	29.5		26.0	30.0	30.0	31.0		30.3	30.0	30.5	30.5	30.5	30.5	4
5		29.7	30.0	29.5		28.5	30.0	29.5	30.5		30.3	30.0	30.0	29.0	30.3	30.3	5
6	29.5	29.3	29.5	29.5		29.5	30.0	29.0	30.0		30.0	29.7	27.3	28.0	30.0	30.3	6
7	28.3	29.0	28.5	28.5	29.0	29.0	29.5	28.0	30.0		29.7	28.3	28.4	28.3	29.7	29.5	7
8	28.5	29.3	27.7	29.0	30.0	28.5	29.7	29.0	30.0		29.7	28.5	29.5	28.0	29.7	29.3	8
9	30.0	30.5	29.0	30.0	31.0	29.3	30.3	29.5	30.3		30.0	30.0	30.5	29.5	31.0	30.0	9
10	30.5	30.3	30.0	30.5	31.3	30.0	30.5	28.0	31.0	31.0	30.0	30.3	32.0	30.0	31.7	31.0	10
11	30.3	30.0	29.5	29.7	31.0	29.0	30.0	27.5	30.7	30.7	29.0	30.0	32.3	30.7	32.0	31.3	11
Noon	30.0	29.5	28.7	28.7	30.3	29.5	30.0	27.5	30.5	30.0	27.7	30.0	31.5	31.0	32.3	31.0	Noon
13h	28.5	28.5	28.7	28.0	29.7		29.7	27.5		29.0	27.5	29.0	29.0	30.0	31.5	30.3	13h
14	28.3	27.7	28.3	26.7	28.0		28.5	27.3		27.0	27.7	27.5	27.5	29.0	29.7	29.7	14
15	27.5	27.0	28.0	27.0	27.7		27.7	26.7		26.5	27.7	27.0	27.5	27.5	28.5	28.5	15
16	28.0	28.0	27.7	28.0	28.0		28.0	27.0			27.5	28.0	28.0	28.0	28.5	29.0	16
17	29.5	30.3	29.5	30.3	30.0		30.0	30.0			29.0	29.3	30.0	30.0	30.0	30.0	17
18	30.0	30.5	30.3	31.0	30.7		30.7	31.0	32.0	30.5	30.3	30.7	31.0	30.7	30.7	31.0	18
19	30.0	30.3	30.3	31.0	31.5		31.5	31.3	31.5	31.0	30.5	31.3	31.0	31.0	30.7	31.0	19
20	30.0	30.3	30.5	31.0	31.5	30.5	32.0	32.0	31.7	32.0	31.3	31.3	31.0	31.0	31.0	31.0	20
21	30.0	30.3	30.3	30.7	31.5	30.3	31.5	33.5	32.0	31.0	31.0	31.3	31.3	31.0	31.0	30.7	21
22	29.7	30.3	30.0	30.3	31.0	30.0	30.7	32.0	31.5	31.0	31.3	31.0	31.5	30.7	31.0	30.7	22
23	30.0	30.5	29.7	30.3	30.3	30.0	30.0	31.5	32.0	30.7	31.3	31.3	31.0	30.5	31.0	30.7	23

14° +

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Hour \ Day
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	30.7	30.7	30.7	30.7	31.0	31.0	31.5	32.0	31.5	31.5	31.5	31.0		31.7	...	30.8	Midnight
1h	30.7	30.7	30.3	30.5	31.0	30.7	31.0	32.5	31.0	30.7	31.0	31.0		31.5	...	30.7	1h
2	31.0	31.0	30.3	31.0	30.0	29.0	29.7	29.7	31.7	29.7	31.5	31.5		31.5	...	30.3	2
3	31.0	31.0	30.3	31.0	31.7	29.5	30.0	29.0	30.3	30.3	30.0	30.7		31.5	...	30.3	3
4	30.5	31.0	30.5	29.7	29.0	30.0	30.0	29.0	29.0	30.5	30.0	30.5		31.0	...	30.1	4
5	30.3	30.5	30.5	29.0	26.7	30.0	30.3	28.5	28.0	30.3	29.7	30.3		31.0	...	29.8	5
6	30.0	30.3	30.3	30.3	29.7	30.0	30.0	28.0	28.0	30.2	30.0	30.3		31.0	...	29.6	6
7	29.5	29.5	29.7	27.5	29.0	29.0	28.0	28.3	26.7	29.7	30.0	30.0		30.0	...	29.0	7
8	29.3	29.0	29.7	27.0	29.3	27.3	27.7	27.5	30.0	30.5	30.7	30.0		30.0	...	29.1	8
9	29.5	30.7	30.7	29.0	29.5	28.0	29.0	27.5	31.0	31.0	31.5	31.0		30.7	...	30.0	9
10	30.0	32.0	31.3	30.3	30.0	29.3	30.0	29.7	31.5	31.5	32.0	31.5		31.3	...	30.6	10
11	30.3	33.0	31.5	31.5	31.0	29.5	30.7	29.0	31.3	31.3	31.7	32.0	31.0	31.0	...	30.7	11
Noon	30.7	32.5	31.0	32.3	31.5	30.0	31.0	29.7	31.0	31.5	31.0	31.3	30.7	30.7	...	30.5	Noon
13h	31.3	32.0	30.0	32.3	31.0	29.7	31.3	30.0	30.0	30.5	30.0	29.0	30.0	29.0	...	29.8	13h
14	31.0	30.7	29.7	31.0	31.0	30.0	31.0	30.0	30.0	30.3	29.7	29.5	29.7	29.5	...	29.3	14
15	29.7	29.7	29.7	30.7	30.3	30.5	30.7	30.5	30.3	30.0	29.0	29.7	29.7	30.0	...	28.9	15
16	29.0	29.0	30.0	31.0	30.0	31.0	30.0	30.3	29.5	30.0	29.5	29.5	30.0	30.0	...	29.0	16
17	30.3	30.3	31.0	32.0	31.3	31.5	31.0	31.5	30.0	30.7	30.7	30.7	31.0	31.0	...	30.4	17
18	31.0	31.0	32.0	32.5	32.5	32.0	32.0	32.3	31.7	31.5	31.5	31.5	31.5	31.7	...	31.3	18
19	31.3	31.5	32.3	33.0	33.0	32.3	33.0	32.5	31.7	31.5	31.7	31.7	32.0	32.0	...	31.6	19
20	31.0	31.3	32.0	32.0	33.0	32.3	33.0	32.7	32.0	31.5	32.0	32.0	32.0	32.3	...	31.6	20
21	31.0	31.0	32.0	32.3	33.0	32.0	33.0	32.0	32.0	31.7	31.5	31.5	32.0	32.0	...	31.6	21
22	31.0	31.0	31.5	32.0	32.0	32.7	32.7	32.0	31.5	31.5	31.5	31.5	31.7	31.7	...	31.3	22
23	30.7	31.0	31.0	31.5	31.5	31.5	32.0	31.7	31.5	31.5	31.3	31.5	31.7	31.5	...	31.1	23

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

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

JUNE, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	.22000 + (C.G.S. Unit)																
Midnight	410	402	395	404	410	418	402	384	375	387	393	395	402	397	400	405	Midnight
1h	409	417	397	406	410	422	405	392	379	388	388	402	400	400	402	407	1h
2	410	412	401	409	409	423	406	391	392	392	400	395	398	411	403	409	2
3	410	410	403	410	412	418	408	404	395	393	403	399	398	405	402	412	3
4	415	410	405	408	414	424	409	399	397	398	397	402	400	401	403	413	4
5	420	412	406	415	416	424	410	406	394	404	401	404	401	410	407	412	5
6	423	416	410	414	420	415	412	405	399	405	404	410	399	412	411	413	6
7	428	419	416	415	420	417	415	414	409	405	412	418	409	410	412	417	7
8	433	420	422	416	421	439	419	420	393	406	412	423	404	416	413	422	8
9	437	423	426	418	426	433	420	395	400	407	410	418	407	407	416	426	9
10	443	431	427	420	434	431	420	390	397	408	415	416	410	404	421	424	10
11	444	442	419	423	427	437	423	397	394	404	418	419	410	403	417	420	11
Noon	438	437	416	425	416	420	425	402	389	389	418	390	411	404	413	412	Noon
13h	425	427	416	427	417	416	424	386	380	371	413	389	413	408	407	410	13h
14	418	400	408	423	419	418	423	382	375	370	412	392	412	395	399	413	14
15	409	386	404	418	420	422	419	372	369	382	402	377	412	387	394	407	15
16	402	382	403	413	423	419	396	383	383	387	388	380	406	391	397	407	16
17	409	389	403	413	423	412	395	379	387	389	393	391	395	396	402	412	17
18	416	400	408	415	424	415	399	382	378	391	399	392	393	396	407	413	18
19	416	401	408	414	425	410	396	370	388	393	396	390	391	392	405	410	19
20	412	400	406	411	425	405	389	366	379	397	387	395	393	394	405	411	20
21	411	400	405	409	423	405	390	372	376	392	398	398	394	395	404	411	21
22	412	399	405	410	419	405	385	386	379	393	394	395	391	400	405	412	22
23	414	401	405	410	424	404	383	370	390	392	399	397	393	396	403	412	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Hour \ Day
	.22000 + (C.G.S. Unit)																
Midnight	412	413	421	407	386	395	388	386	397	395	399	420	408	401	...	400	Midnight
1h	414	412	425	409	395	397	399	391	399	397	399	415	392	405	...	402	1h
2	415	413	430	420	394	403	410	402	398	410	400	418	393	405	...	406	2
3	413	415	433	419	409	409	404	400	400	402	409	427	396	409	...	408	3
4	419	417	430	410	410	410	404	402	410	401	406	420	407	410	...	408	4
5	420	419	430	431	422	414	406	409	413	405	410	421	409	412	...	412	5
6	423	421	434	406	412	417	414	408	412	405	411	422	406	416	...	412	6
7	427	423	440	405	414	412	411	416	415	411	412	432	406	420	...	416	7
8	426	427	440	412	423	417	421	417	413	415	416	443	410	426	...	420	8
9	422	430	440	415	436	418	433	405	417	414	419	440	411	432	...	420	9
10	423	433	441	418	440	407	427	419	417	421	416	462	416	435	...	422	10
11	424	437	447	417	439	408	438	421	410	417	410	439	424	440	...	422	11
Noon	427	440	449	422	427	409	439	412	407	415	410	420	422	438	...	418	Noon
13h	428	439	454	426	435	410	422	415	416	418	416	419	412	430	...	416	13h
14	424	431	449	417	420	413	418	408	407	420	410	412	405	415	...	410	14
15	417	423	435	407	402	406	409	398	394	411	409	401	400	410	...	403	15
16	411	419	419	402	388	394	397	390	395	405	412	389	399	403	...	399	16
17	410	418	423	394	367	389	374	389	396	403	411	373	400	405	...	399	17
18	416	423	428	395	386	396	360	396	397	405	417	393	401	409	...	402	18
19	414	421	423	389	383	402	389	402	398	405	412	395	400	410	...	402	19
20	414	420	415	395	370	398	378	398	398	403	413	399	401	410	...	400	20
21	413	419	396	392	378	394	389	415	405	403	417	397	400	410	...	400	21
22	413	422	397	392	386	405	389	409	408	402	421	388	399	410	...	401	22
23	412	421	401	390	402	395	393	402	399	402	422	385	399	410	...	401	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, 1943.

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	999	997	998	996	996	994	998	1002	1005		1002	1007	1005	1004	1003	1003	Midnight
1h	998	997	998	994	995	993	997	1001	1003		1002	1006	1006	1004	1003	1003	1h
2	998	996	997	994	994	992	997	999	1003		1001	1006	1007	1003	1004	1003	2
3	998	997	996	995	993	992	996	997	997		999	1006	1006	1006	1005	1003	3
4	998	997	997	995	993	991	996	997	1000		1002	1006	1007	1006	1005	1003	4
5	999	998	999	996	994	991	995	995	998		1001	1005	1006	1005	1006	1004	5
6	999	999	998	996	994	993	996	996	998		999	1004	1005	1004	1005	1005	6
7	997	998	996	994	994	993	995	997	997		997	1001	1006	1003	1003	1002	7
8	998	1002	998	997	998	993	997	995	999		997	1002	1006	1006	1003	1003	8
9	999	1004	1002	1002	1000	995	999	1002	1000		999	1003	1008	1007	1007	1006	9
10	998	1000	1001	1001	998	996	1000	1000	1004		1000	1006	1006	1006	1006	1008	10
11	995	996	996	993	993	990	998	994	998	1006	998	1002	1002	1002	1002	1002	11
Noon	988	993	989	989	986	984	997	985	993	1006	999	998	987	996	997	995	Noon
13h	980	992	992	987	989	983	991	989	984	1003	997	997	972	986	996	989	13h
14	979	990	989	988	986	982	991	993	990	997	998	997	975	986	993	990	14
15	983	992	987	990	986	983	992	997	995	997	1001	998	985	987	996	990	15
16	991	997	989	991	987	985	990	998	997		1002	1003	995	994	1002	996	16
17	997	1003	996	995	993	992	997	1003	998		1005	1007	1004	1004	1007	1002	17
18	999	1003	1000	998	996	996	999	1003			1007	1010	1006	1007	1007	1006	18
19	1000	1003	1000	999	997	997	999	1004		1003	1007	1009	1006	1008	1007	1006	19
20	1000	1003	1001	999	997	999	1002	1006		1003	1010	1008	1006	1008	1007	1006	20
21	999	1003	1001	999	997	999	1001	1009		1002	1008	1007	1006	1008	1006	1005	21
22	996	1002	1002	998	997	999	1002	1003		1002	1008	1007	1006	1005	1005	1003	22
23	997	1001	1000	997	996	998	1002	1006		1002	1007	1007	1005	1005	1003	1003	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	1003	1003	998	999	1005	1004		1006	1006	1006	1004	998	997	1003	...	1001	Midnight
1h	1002	1003	998	998	1003	1004		1006	1006	1004	1003	999	1002	1002	...	1001	1h
2	1001	1002	997	997	1002	1002		1004	1006	1004	1004	1003	1003	1002	...	1001	2
3	1002	1002	996	997	1000	1000		1005	1005	1006	1003	997	1003	1001	...	1000	3
4	1002	1003	996	996	998	1000		1004	1004	1006	1003	1000	1002	1002	...	1000	4
5	1002	1003	997	996	999	1000		1004	1004	1005	1004	1001	1003	1002	...	1001	5
6	1003	1003	997	999	1000	1000		1003	1004	1005	1004	1001	1004	1003	...	1001	6
7	1003	1001	996	995	997	997		1000	1004	1002	1004	1001	1003	1001	...	999	7
8	1005	1004	1000	1000	998	998		1000	1006	1003	1006	1002	1003	1001	...	1001	8
9	1006	1007	1004	1007	1000	1000	1000	1004	1006	1003	1006	1002	1004	1000	...	1003	9
10	1004	1008	1005	1015	1003		1002	1005	1003	997	1006	998	1006	999	...	1003	10
11	998	1004	998	1013	1007	1012	1003	1003	1003	997	997	996	1005	995	...	999	11
Noon	994	996	997	1009	1009	998	1003	1007	1002	997	986	996	998	988	...	995	Noon
13h	991	988	988	1001	1004	996	1006	1007	998	993	987	986	993	984	...	991	13h
14	991	985	976	997	996	994	1003	1009	997	989	986	984	986	985	...	989	14
15	992	979	974	998	994	997	1000	1006	1001	992	989	987	986	986	...	990	15
16	996	986	987	1001	994		997	1005	1002	994	994	993	995	992	...	995	16
17	1003	995	995	1005	1003		1002	1008	1006	1001	1000	1003	1001	1000	...	1001	17
18	1007	1001	998	1006	1006		1007	1007	1007	1004	1002	1004	1004	1003	...	1003	18
19	1007	1002	1000	1007	1006		1006	1006	1006	1004	1002	1004	1005	1004	...	1004	19
20	1007	1003	1001	1007	1010		1007	1007	1006	1004	1002	1004	1005	1003	...	1004	20
21	1007	1004	1003	1006	1000		1007	1006	1006	1004	1001	1003	1006	1003	...	1004	21
22	1006	1003	1003	1007	1007		1007	1006	1004	1004	999	1004	1005	1002	...	1003	22
23	1004	1001	1002	1006	1006		1006	1005	1005	1003	999	1005	1003	1001	...	1003	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, 1943.

Month and day 1943.	Observations at 10 a.m.									Temperature of the Air.							Rainfall		Duration of Bright Sunshine	Percentage of Possible Sunshine
	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 recorded by the Casella Pluviograph.	Duration		
JUNE	mbs.	°C	°C	°C	%	mbs.	o	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	971.0	18.1	0.9	16.6	91	18.9	80	6.7	10	16.3	17.9	19.4	17.1	20.5	16.3	4.2	0.5	25	6.1	55
2	970.9	18.0	0.9	16.5	91	18.8	95	5.4	8	16.0	17.5	20.0	17.0	21.3	15.8	5.5	0.9	15	7.9	72
3	971.7	19.9	2.5	15.7	77	17.8	75	4.0	6	16.8	19.6	20.2	17.0	22.5	16.5	6.0	1.0	5	8.4	77
4	971.5	20.2	2.1	16.7	80	19.0	60	2.7	8	16.3	19.4	20.6	16.6	23.6	15.1	8.5	0.0	0	7.1	65
5	971.6	21.8	4.9	13.2	58	15.2		Calm	1	15.5	21.3	22.1	17.2	24.2	14.6	9.6	0.0	0	8.7	80
6	972.0	18.2	0.5	17.4	95	19.9	90	1.3	9	16.5	17.9	18.9	17.3	21.3	16.0	5.3	6.5	140	3.7	34
7	973.7	17.7	0.6	16.7	94	19.0	120	4.9	10	17.1	17.4	18.0	16.6	19.7	16.9	2.8	20.9	330	2.1	19
8	974.2	19.7	3.8	12.9	65	14.9	110	8.1	7	16.1	19.2	19.7	16.8	20.2	15.9	4.3	1.1	35	8.9	82
9	974.2	18.1	0.7	16.9	92	19.2	115	5.4	8	16.5	17.5	18.0	15.6	19.0	16.0	3.0	11.6	185	4.6	42
10	973.9	17.8	1.3	15.6	87	17.7	80	4.5	9	15.3	17.4	19.7	16.3	20.7	15.0	5.7	1.7	25	7.4	68
11	973.2	19.2	2.5	15.0	77	17.1	70	0.9	6	15.8	18.7	20.6	14.6	22.0	14.0	8.0	0.0	0	8.9	82
12	972.3	19.9	4.0	12.7	63	14.7	95	2.9	0	13.1	19.0	20.3	15.2	22.0	13.0	9.0	0.6	10	9.9	91
13	973.0	19.4	3.4	13.4	58	15.4	120	1.5	5	15.2	18.7	18.9	16.6	21.5	14.2	7.3	1.5	25	8.6	79
14	972.7	17.1	0.5	16.3	95	18.5	115	5.6	10	15.8	16.8	18.9	16.8	19.0	15.8	3.2	17.8	305	5.2	48
15	972.3	18.0	0.5	17.2	95	19.6	90	4.5	8	15.5	17.4	19.1	16.8	21.0	15.0	6.0	2.7	55	6.2	57
16	971.9	17.1	0.4	16.5	96	18.8	75	0.9	8	16.0	17.0	19.7	17.2	21.9	15.7	6.2	0.9	25	3.7	34
17	972.2	18.6	1.5	16.1	86	18.3	95	2.0	9	16.9	18.2	20.8	18.0	21.9	16.1	5.8	3.4	95	3.3	30
18	971.8	20.6	3.5	14.6	69	16.6	95	2.2	0	17.2	20.0	21.9	16.7	23.0	16.8	6.2	5.7	75	9.8	90
19	970.5	21.1	2.9	16.4	75	18.7		Calm	3	15.8	20.5	22.9	16.2	24.3	15.8	8.5	0.0	0	7.8	72
20	970.6	17.1	0.6	16.1	94	18.3	160	4.5	9	13.8	16.4	18.2	14.5	19.7	13.5	6.2	3.2	45	7.4	68
21	972.4	16.9	2.2	12.9	76	14.9	130	2.2	8	13.9	16.7	17.4	14.1	19.2	13.3	5.9	0.5	10	3.2	29
22	973.5	17.0	2.1	13.3	79	15.3	110	2.7	8	13.9	16.8	18.0	15.7	20.2	13.0	7.2	0.7	10	9.1	83
23	973.3	18.7	2.4	14.6	75	16.6	95	4.7	7	15.6	18.2	19.2	16.8	20.9	15.3	5.6	1.5	40	8.1	74
24	974.0	19.1	1.2	17.1	88	19.5	110	5.8	4	15.4	18.7	20.5	17.5	21.2	15.0	6.2	5.4	100	9.2	84
25	975.6	19.9	3.2	14.3	70	16.3	95	2.5	3	16.7	19.4	18.7	17.3	22.0	15.9	6.1	4.7	70	8.0	73
26	975.7	18.3	0.6	17.0	92	19.4	115	3.6	8	16.3	18.0	19.9	17.1	22.2	16.0	6.2	1.8	40	7.0	64
27	975.1	18.7	0.8	17.4	92	19.9	110	4.7	9	17.0	18.1	20.0	17.1	20.6	16.3	4.3	5.7	130	3.8	35
28	975.0	18.3	1.3	16.1	87	18.3	120	4.5	3	16.2	17.7	18.9	17.3	20.9	15.9	5.0	10.4	170	7.6	70
29	974.7	19.2	2.3	15.4	79	17.5	95	3.6	3	17.0	18.7	19.9	17.3	21.2	16.2	5.0	3.4	55	8.1	74
30	974.2	18.8	0.9	17.3	91	19.6	90	3.8	10	17.0	17.8	20.7	16.6	21.4	16.8	4.6	3.4	50	5.8	58
..	...	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	..
Mean	972.9	18.7	1.8	15.6	823	17.8	..	3.5	6.6	15.9	17.9	19.7	16.5	21.3	15.4	5.9	117.5	2070	6.85	62.8
Average	970.9	19.8	2.1	16.3	80.1	18.5	..	4.6	5.3	...	...	...	...	21.9	15.6	6.3	102.3	...	7.20	65.8
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+42.6 mbs.	Amount of Rain	-53.1 mms.
Temperature of the Air	+ 3.7°C	Duration of Sunshine	+ 9.5 hrs.
Vapour Pressure	+ 1.6 mbs.	Mean of Maximum Temperatures	+ 2.6°C
Relative Humidity	-10.7%	Mean of Minimum Temperatures	+ 1.6°C
Velocity of Wind	+ 1.0 m.p.s.	Absolute Maximum Temperature	+ 1.0°C
Amount of Cloud	- 0.9	Absolute Minimum Temperature	- 1.1°C

Greatest Rainfall Intensity 5.0 mms. in 15 mins.

TABLE VII.-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of JUNE, 1943.

Month and Day 1943	Atmospheric Pressure		Temperature of the Air.					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew		Relative Humidity		Vapour Pressure	Minimum on the Grass.	Rainfall		Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
	Mean	Excess above Average	Daily Maximum	Daily Minimum	Daily Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Dines Pluviograph	Duration		
JUNE	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs.	°C	mms.	min.	mms.	
1	1012.7	+ 1.8	23.2	18.5	4.7	20.0	- 1.3	1.5	17.6	0.0	86	+ 7	20.1	16.8	13.9	290	2.2	7.3
2	1012.1	+ 1.1	24.1	18.0	6.1	20.7	- 0.5	2.5	16.6	- 0.9	77	- 2	18.9	15.5	0.3	10	2.5	3.4
3	1012.8	+ 1.8	24.5	17.8	6.7	21.1	- 0.1	2.6	16.8	- 0.7	76	- 3	19.1	14.5	0.2	15	4.2	3.8
4	1012.9	+ 1.7	24.6	16.1	8.7	20.2	- 0.9	2.1	16.7	- 0.7	80	+ 1	19.0	12.6	0.0	...	3.5	2.9
5	1013.1	+ 1.8	25.3	15.8	9.5	20.3	- 0.7	2.5	16.1	- 1.2	77	- 2	18.3	12.7	0.0	...	2.5	2.4
6	1014.1	+ 2.7	24.2	17.9	6.3	20.5	- 0.5	1.7	17.7	+ 0.6	84	+ 5	20.3	15.3	0.1	5	2.5	5.7
7	1016.0	+ 4.5	23.0	16.9	6.1	20.0	- 0.9	1.5	17.6	+ 0.6	86	+ 8	20.1	13.5	3.8	140	1.9	5.6
8	1016.6	+ 5.0	23.6	18.4	5.4	20.8	0.0	3.2	15.5	- 1.4	72	- 6	17.6	13.4	0.0	...	3.9	5.5
9	1015.9	+ 4.2	22.9	18.5	4.4	20.3	- 0.5	2.4	16.3	- 0.6	78	0	18.5	13.5	4.9	60	2.8	4.9
10	1015.3	+ 3.5	23.6	17.1	6.5	20.2	- 0.5	2.7	15.7	- 1.1	75	- 3	17.8	13.1	0.0	...	4.6	2.7
11	1013.9	+ 2.0	24.2	16.1	8.1	19.7	- 1.0	2.6	15.4	- 1.4	76	- 2	17.5	12.1	0.0	...	4.0	1.6
12	1013.7	+ 1.7	24.5	13.0	11.5	19.2	- 1.4	3.0	14.0	- 2.7	72	- 6	16.0	9.5	0.0	...	4.0	2.6
13	1014.1	+ 2.0	24.0	16.4	7.6	20.1	- 0.5	2.8	15.4	- 1.3	75	- 3	17.5	11.8	0.3	5	4.5	3.2
14	1013.7	+ 1.5	23.0	17.8	5.2	20.0	- 0.6	2.1	16.5	- 0.2	80	+ 2	18.8	13.4	3.9	75	3.0	4.0
15	1013.5	+ 1.2	23.8	17.2	6.6	20.3	- 0.2	2.1	16.8	+ 0.2	80	+ 2	19.1	13.6	1.7	35	4.7	5.6
16	1013.1	+ 0.7	23.5	16.7	6.8	19.8	- 0.7	1.6	17.2	+ 0.6	85	+ 7	19.6	12.9	4.0	35	2.7	3.7
17	1013.0	+ 0.5	24.0	18.7	5.3	20.7	+ 0.3	1.1	19.0	+ 2.6	90	+ 12	22.0	15.0	1.4	50	3.1	7.6
18	1012.1	- 0.5	24.8	17.0	7.8	20.6	+ 0.2	1.6	18.1	+ 1.7	86	+ 8	20.8	15.4	2.5	45	1.2	3.9
19	1011.4	- 1.4	24.5	16.7	7.8	20.1	- 0.2	1.1	18.3	+ 2.0	90	+ 12	21.0	14.9	4.9	40	5.5	6.0
20	1011.9	- 1.0	23.7	14.4	9.3	18.2	- 2.1	2.1	14.7	- 1.6	80	+ 2	16.7	12.5	0.3	5	2.8	2.3
21	1014.5	+ 1.5	22.6	11.9	10.7	18.0	- 2.3	3.3	12.1	- 4.2	68	- 10	14.1	10.0	0.0	...	3.2	5.9
22	1015.2	+ 2.1	23.4	15.3	8.1	19.0	- 1.2	2.9	14.1	- 2.1	73	- 5	16.1	11.8	0.1	5	3.1	5.2
23	1015.0	+ 1.8	23.6	17.7	5.9	20.1	- 0.1	2.5	15.9	- 0.3	77	- 1	18.1	14.8	1.7	45	4.4	6.2
24	1015.6	+ 2.3	24.4	17.3	7.1	20.7	+ 0.5	2.3	16.9	+ 0.7	79	+ 1	19.2	14.0	1.5	50	3.9	4.5
25	1016.9	+ 3.5	24.5	18.9	5.6	20.8	+ 0.6	2.1	17.4	+ 1.2	81	+ 4	19.9	17.2	7.1	100	3.8	5.7
26	1017.3	+ 3.8	24.3	18.0	6.3	20.9	+ 0.6	1.9	17.8	+ 1.7	83	+ 6	20.4	15.0	0.8	30	6.4	5.5
27	1017.1	+ 3.6	23.5	18.3	5.2	20.6	+ 0.5	2.0	17.4	+ 1.3	82	+ 5	19.9	14.0	2.9	90	1.9	7.5
28	1016.5	+ 2.9	24.0	17.9	6.1	20.5	+ 0.4	1.3	18.5	+ 2.4	88	+ 11	21.3	15.0	7.5	285	2.5	7.3
29	1016.1	+ 2.5	24.2	18.1	6.1	21.0	+ 0.9	2.1	17.6	+ 1.5	81	+ 4	20.1	15.2	0.6	20	2.3	4.2
30	1015.5	+ 1.8	24.7	17.9	6.8	21.0	+ 0.9	2.1	17.6	+ 1.5	81	+ 4	20.1	15.0	0.0	...	3.4	4.8
..	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...	...	...	...
Mean	1014.4	+ 2.0	23.9	17.0	6.9	20.2	- 0.3	2.2	16.6	+ 0.1	79.9	+ 1.9	18.9	13.8	Sum 64.4	Sum 1435	3.4	4.7
Aver.	1012.4	...	24.4	17.0	7.4	20.5	...	2.4	16.5	...	78.0	...	18.8	13.4	64.9	1174	3.4	4.8
Col.	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, 1943.

Anticyclonic conditions prevailed throughout the month and mean pressure was 2.0 mbs., above normal, being below on three days only, 18th to 20th.

Rainfall was normal and well distributed.

All other elements were about normal.

TABLE VII(Ctd.).--DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of JUNE, 1943.

Month and Day 1943.	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.	%	m.p.s.	m.p.s.	°C	°C	°C	°C									
1	7.1	64	4.1	+ 0.9	25.2	25.1	24.4	23.4	Or$_o$r$_o$	Or	0	Or$_o$	Or	c	Or$_o$r$_o$	Cr	.
2	9.9	90	3.9	+ 0.6	25.2	25.1	24.2	23.1		bc	c		bc		b		.
3	8.5	78	3.1	- 0.2	25.2	25.4	24.2	23.2	bcr$_o$	0	c			bc		b	.
4	5.8	53	2.1	- 1.2	25.2	25.3	24.1	23.2		b		bc	c	bc	b	b$_o$	.
5	8.3	76	1.9	- 1.4	25.2	25.2	24.1	23.1	b$_o$		b		bc	c	bc	b	.
6	2.7	25	2.2	- 1.1	25.2	25.1	24.0	23.0	b	bc		c				bc	.
7	4.8	44	3.5	+ 0.2	25.2	25.1	24.0	23.0		b	bc	Cr$_o$r$_o$	cr	c		bc	.
8	9.0	83	4.4	+ 1.0	25.2	25.1	23.9	22.8	bc	c	bc	cq		bc		b	.
9	7.5	69	4.6	+ 1.4	25.2	25.1	23.9	22.8	bc	Cr	c	Or$_o$r$_o$	cr	c		bc	.
10	9.9	91	4.6	+ 1.2	25.2	25.1	23.7	22.2		b	bc	c		bcq		b	.
11	8.8	81	2.7	- 0.7	25.2	25.1	23.6	22.3		b		bc			b		.
12	10.5	96	3.3	- 0.1	25.1	25.0	23.5	22.0	b$_o$	b	bc	b	bc	c		b	.
13	9.8	90	3.1	- 0.3	25.1	24.8	23.4	22.0		b		bc		c		bc	.
14	7.4	68	3.7	+ 0.2	25.1	24.7	23.3	22.1	bc		c	cr$_o$	c	bc		b	.
15	6.9	63	3.6	+ 0.1	25.1	24.7	23.2	21.9	bc	Cr$_o$r$_o$	0		c		bc		b
16	4.6	42	2.7	- 0.8	25.2	25.0	23.2	21.9		b	bc	cr$_o$r$_o$	c	bc		b	.
17	5.2	48	2.5	- 1.0	25.1	25.0	23.0	21.9	bcr$_o$	c	0	Or$_o$	c	bc	Cr$_o$r$_o$	c	.
18	9.2	84	2.5	- 1.0	25.1	25.1	23.1	22.2	bc	c	bc	b		bc	c	b	.
19	6.3	58	1.5	- 2.1	25.1	24.9	23.2	22.5		c	bc	b	Cr$_o$	c	0	c	.
20	5.6	53	3.5	- 0.1	25.1	24.9	23.2	22.2		b	bc	0	c	bc		b	.
21	3.7	34	2.8	- 0.8	25.1	24.6	23.2	21.9	b$_o$		b		c	0		Or$_o$r$_o$	.
22	10.1	93	3.4	- 0.2	25.1	24.5	23.0	21.4		c			bc			b	.
23	7.0	64	3.7	+ 0.1	25.1	24.5	22.9	21.5	bcr$_o$		c	bc	c	bc	c	Cr$_o$r$_o$	.
24	9.8	90	4.0	+ 0.4	25.1	24.6	22.7	21.6	Cr	c		bc			b		.
25	6.8	62	3.7	0.0	25.1	24.6	22.6	21.7	bc	ORR	0	bc		c		bc	.
26	6.1	56	3.1	- 0.6	24.9	24.2	22.8	22.1	Cr$_o$	bc	b		c	bc		b	.
27	3.0	27	3.4	- 0.3	24.9	24.3	22.6	22.0	bcr$_o$	Cr$_o$	bc	Cr$_o$		c		cd$_o$	0
28	5.2	48	3.8	+ 0.1	24.9	24.2	22.6	21.7	c	Cr$_o$r$_o$	c		cd$_o$	Or$_o$	0	c	.
29	7.7	71	3.6	- 0.1	24.9	24.6	22.8	21.9	bc	b		bc		c		cd$_o$	.
30	7.6	70	3.1	- 0.6	24.9	24.6	22.8	22.1	bc		c		bc	b		b$_o$	
..	...	..	...	...	...	...	...	...									
Mean	7.17	65.7	3.28	- 0.21	25.11	24.85	23.39	22.29									
Aver.	7.48	58.8	3.49	...													
Col.	19	20	21	22	23	24	25	26	27								

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JUNE, 1943.

Element	Highest	Date	Lowest	Date
Atmospheric Pressure	1018.9mbs. at 09.00hrs.	on 26th.	1009.8mbs. at 16.00hrs.	on 19th.
Temperature of the Air	25.3°C	on 5th.	11.9°C	on 21st.
Daily Range of Temperature of the Air ...	11.5°C	on 12th.	4.4°C	on 9th.
Temperature of the Dew Point ...	20.9°C at 14.00hrs.	on 19th.	11.1°C at 12.00hrs.	on 22nd.
Minimum on Grass			9.5°C	on 12th.
Relative Humidity	99.1% at 08.00hrs.	on 24th.	47.0% at 12.00hrs.	on 22nd.
Vapour Pressure	24.7mbs. at 14.00hrs.	on 19th.	13.2mbs. at 12.00hrs.	on 22nd.
Evaporation in 24 hours	6.4mms.	on 26th.	1.2mms.	on 18th.
Wind Velocity	9.8m.p.s. at 15.00hrs.	on 9th.	0.6m.p.s. at 17 & 18hrs.	on 19th.
Rainfall in 24 hours	13.9mms. ending 23.00hrs.	on 1st.		
Duration of Sunshine	10.5hrs.	on 12th.	2.7hrs.	on 6th.

Mean Day Temperature of Air 21.77°C. Mean Night Temperature of Air 18.58°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 & over mms.	Lightning	Thunderstorm
...	8	18	4	...	8	11	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).

JUNE, 1943.

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	140	132	129	132	136	139	156	171	168	160	148	142	147	147	141	137	Midnight
1h	139	126	128	131	136	136	157	170	167	154	141	139	148	143	139	132	1h
2	136	127	123	129	130	133	156	169	160	152	140	137	142	137	136	128	2
3	125	120	120	124	126	130	152	168	159	151	139	130	140	135	131	124	3
4	121	116	119	123	126	129	150	163	157	153	136	129	136	130	129	122	4
5	127	119	119	122	126	130	150	162	154	153	136	130	136	129	129	125	5
6	127	110	121	123	129	132	152	162	159	157	138	132	138	130	129	128	6
7	128	117	128	130	132	137	159	167	160	159	141	138	146	137	137	133	7
8	130	120	135	137	138	143	163	170	167	160	147	141	150	142	140	140	8
9	134	128	142	139	139	149	167	175	169	163	149	148	152	151	148	149	9
10	137	130	140	138	140	149	169	176	169	167	148	148	152	150	146	143	10
11	130	129	136	137	136	144	169	172	167	160	147	142	150	145	143	142	11
Noon	129	123	130	122	130	140	162	165	164	150	141	134	143	140	140	132	Noon
13h	118	113	124	124	119	133	157	156	152	143	134	129	132	129	130	122	13h
14	115	109	120	122	117	130	153	155	144	140	129	122	128	124	120	120	14
15	110	106	116	116	119	130	151	155	147	140	123	121	126	122	119	119	15
16	110	108	117	117	120	133	152	158	152	142	123	122	127	123	123	120	16
17	115	113	119	119	122	140	157	159	152	147	129	129	130	128	132	123	17
18	119	115	122	122	127	142	157	162	153	151	132	129	132	131	139	129	18
19	123	120	128	129	132	150	162	167	155	153	139	140	138	137	140	132	19
20	131	128	132	132	138	156	167	170	159	154	143	146	142	140	138	133	20
21	130	130	136	137	140	159	169	172	161	154	146	149	146	147	137	136	21
22	137	132	139	139	140	160	170	171	162	154	149	150	149	145	139	136	22
23	136	131	137	140	142	161	170	170	161	152	148	146	149	142	136	134	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	Hour \ Day
Midnight	132	136	121	119	137	157	153	159	163	178	179	175	166	160	...	149	Midnight
1h	132	130	121	117	135	156	152	158	164	173	177	169	163	161	...	147	1h
2	130	128	116	111	132	155	151	157	162	170	170	169	160	161	...	144	2
3	128	120	112	108	132	154	148	155	161	169	166	167	159	162	...	140	3
4	126	120	110	107	134	154	147	152	160	168	168	163	159	162	...	139	4
5	128	120	110	105	134	155	146	152	162	166	165	164	161	161	...	139	5
6	131	122	110	109	139	160	145	155	165	171	167	168	165	161	...	141	6
7	136	129	112	111	142	162	149	160	172	179	172	169	168	161	...	146	7
8	138	132	119	119	151	166	153	165	178	183	173	171	173	161	...	150	8
9	143	137	122	126	155	168	157	168	182	189	178	178	177	167	...	155	9
10	142	132	122	130	156	160	158	167	182	185	180	178	176	166	...	155	10
11	140	130	121	130	153	157	157	161	179	181	178	171	170	163	...	151	11
Noon	140	120	119	128	148	150	156	158	170	176	170	162	163	157	...	146	Noon
13h	123	111	110	117	140	140	143	150	162	163	162	153	152	149	...	136	13h
14	117	108	108	110	137	137	138	143	159	160	159	151	149	142	...	132	14
15	112	108	101	109	136	134	137	142	157	159	159	150	150	140	...	130	15
16	115	109	098	110	138	136	137	143	157	160	162	152	150	140	...	132	16
17	119	110	102	112	142	139	140	148	160	162	165	153	150	142	...	135	17
18	120	112	105	118	148	141	147	152	162	168	169	159	152	145	...	139	18
19	121	118	113	123	151	147	152	157	169	172	172	162	154	149	...	143	19
20	128	123	120	130	157	150	154	161	173	179	180	167	157	150	...	148	20
21	133	122	122	132	161	152	159	163	179	180	183	167	161	153	...	151	21
22	137	122	124	138	159	152	159	165	180	182	182	169	161	153	...	152	22
23	137	122	122	137	158	153	159	163	179	181	179	169	161	151	...	151	23

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

Hour \ Day	JUNE, 1943.																															
	a 1	d 2	d 3	a 4	a 5	d 6	a 7	a 8	d 9	d 10	d 11	d 12	a 13	a 14	d 15	a 16	d 17	d 18	d 19	a 20	a 21	d 22	a 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	..	Mean
Midnight	10	2	3	1	0	1	1	5	1	1	1	0	2	3	3	1	9	5	9	0	0	8	5	10	1	6	6	7	1	6	..	3.6
1h	10	3	3	0	0	1	1	5	1	1	1	0	2	3	3	2	9	5	9	0	0	8	5	8	1	6	6	7	1	6	..	3.6
2	10	2	3	0	0	0	1	6	1	1	1	0	2	3	3	2	9	6	9	0	0	8	5	8	1	6	6	7	1	6	..	3.6
3	10	1	3	1	1	1	1	7	1	1	1	0	2	3	3	2	9	7	9	0	0	9	5	8	1	6	9	7	1	5	..	3.8
4	10	2	3	1	1	3	1	6	1	1	1	1	2	3	3	2	9	7	9	0	0	9	5	7	1	6	9	7	1	6	..	3.9
5	10	5	9	1	1	6	1	5	8	2	1	2	1	4	10	3	10	1	2	0	1	9	5	6	10	6	8	8	1	6	..	4.7
6	9	6	9	1	1	9	3	2	9	4	1	4	2	4	10	3	10	1	1	1	1	9	7	6	10	8	6	8	2	7	..	5.1
7	9	7	9	2	2	9	3	5	9	3	1	3	1	4	9	5	10	2	1	4	1	7	7	5	10	8	6	7	2	8	..	5.3
8	9	6	7	3	2	9	7	6	8	3	3	1	2	6	9	7	8	2	2	7	4	5	7	4	6	9	7	6	3	9	..	5.6
9	8	6	6	4	2	9	10	8	7	7	4	0	3	8	9	9	7	2	2	9	7	3	8	4	2	9	9	6	3	7	..	5.9
10	7	6	4	4	2	8	10	6	10	7	4	1	3	6	6	8	7	2	3	9	7	3	6	4	4	5	9	7	4	8	..	5.7
11	6	5	3	5	3	8	9	7	10	6	5	1	3	7	6	9	6	3	9	9	8	3	6	5	4	5	9	7	4	8	..	6.0
Noon	7	5	2	6	3	8	9	8	10	6	5	2	5	8	8	8	9	3	8	9	8	4	6	5	6	5	9	9	6	8	..	6.5
13h	10	5	4	8	5	8	9	8	9	6	3	3	5	7	7	6	8	6	9	1	9	4	6	5	7	5	6	10	6	8	..	6.4
14	9	5	4	8	6	8	10	7	8	4	2	2	5	7	8	6	5	6	8	1	10	4	7	6	7	6	6	9	6	7	..	6.2
15	8	5	4	8	7	7	10	7	4	2	0	3	5	6	7	5	5	7	8	2	9	4	5	4	9	7	7	9	7	7	..	5.9
16	7	4	4	7	7	6	10	6	3	2	1	5	5	4	6	3	5	7	9	2	9	2	7	2	8	8	7	9	7	1	..	5.4
17	5	1	3	5	6	5	10	5	4	1	2	8	4	2	4	1	5	8	9	0	9	1	8	2	7	8	7	10	7	1	..	4.9
18	4	1	3	5	6	5	10	5	4	1	2	8	7	2	3	1	5	8	9	0	9	1	6	2	7	6	9	8	7	1	..	4.8
19	6	1	3	0	1	6	2	6	3	1	0	3	7	1	4	1	6	1	7	0	9	3	6	2	8	2	7	6	7	0	..	3.5
20	2	1	1	0	0	5	4	3	2	1	0	4	5	1	4	1	6	1	4	0	10	5	5	2	8	1	7	5	7	0	..	3.2
21	2	1	1	0	1	5	4	3	2	1	0	4	3	1	5	1	8	1	2	0	10	5	5	1	6	1	6	5	6	0	..	3.1
22	10	1	0	0	0	5	4	3	2	1	0	4	2	1	3	1	8	1	2	0	10	5	6	1	6	1	6	5	6	0	..	3.3
23	1	1	0	0	0	5	4	3	1	1	0	4	4	1	2	1	8	1	4	0	10	5	10	1	6	1	6	5	6	0	..	3.1

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

Hour ENDING \ Day	JUNE, 1943.																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	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	15	0	0	0	17	0	5	0	0	17	0	16	0	0	0	0	0	17	17	20	3	0	0	0	0	0	0	0	12	0	..	2.3
8	26	43	2	35	60	0	31	60	17	52	17	60	32	0	0	12	0	60	60	21	53	50	10	47	0	0	0	7	60	0	..	13.6
9	52	60	29	60	60	0	37	60	55	60	60	60	60	0	43	0	22	60	60	0	48	50	14	60	53	8	8	55	60	22	..	20.6
10	56	60	60	43	60	6	12	60	43	60	50	60	60	56	52	9	10	60	60	0	2	60	31	60	60	29	5	60	60	52	..	21.7
11	56	60	60	47	60	13	4	60	56	60	24	60	60	33	60	13	36	60	50	0	40	60	48	60	60	33	12	60	60	29	..	22.3
12	44	60	60	60	60	22	45	45	12	60	60	60	60	47	48	0	0	60	10	6	55	60	54	60	60	50	11	60	59	53	..	22.3
13	19	60	60	21	58	25	29	55	27	60	60	60	60	53	37	6	4	60	8	50	12	60	60	60	60	56	38	33	60	45	..	21.6
14	20	60	60	0	33	34	17	60	60	60	60	60	60	60	39	40	43	60	10	60	2	60	60	60	60	60	39	5	46	52	..	22.3
15	35	60	60	32	12	43	26	60	60	60	60	60	60	60	40	60	60	60	33	60	0	60	60	60	25	42	20	24	37	46	..	22.9
16	32	60	60	30	45	2	53	30	60	60	60	60	60	60	60	60	60	40	50	60	0	60	60	60	27	53	30	7	6	60	..	22.8
17	57	56	48	20	35	18	25	46	55	44	60	60	60	60	35	60	60	12	21	60	0	56	25	60	2	33	13	1	0	60	..	19.1
18	11	15	11	2	0	0	0	0	2	0	15	15	17	12	0	19	15	0	0	10	0	21	0	3	0	2	2	0	0	35	..	3.5
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

The Total Amount of Registered Sunshine was 215.0 hrs. and the Total Possible Sunshine was 327.2 hrs.

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

(To obtain Temperatures on the Absolute Scale add 273).

JUNE, 1943.

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	18.8	1.2	18.5	0.9	19.5	1.4	18.2	1.2	16.8	1.0	18.4	1.5	18.5	0.3	19.5	1.5	Mid-night
1h	19.3	1.4	18.7	1.3	19.0	1.1	19.0	1.7	16.5	1.0	18.0	1.5	18.1	0.1	19.3	1.8	1h
2	18.9	0.9	18.3	1.2	19.1	1.0	18.6	1.1	16.7	1.0	18.1	1.2	17.8	0.5	19.2	1.9	2
3	19.0	0.7	18.6	1.4	19.6	1.5	18.0	1.0	16.5	1.0	18.5	1.4	17.3	1.8	19.5	2.0	3
4	19.0	0.7	18.0	1.0	19.7	1.7	17.8	1.0	16.2	1.0	18.6	1.3	17.2	1.4	19.7	2.1	4
5	18.9	0.6	18.5	1.6	20.0	2.1	17.2	1.0	16.1	1.0	19.0	1.2	18.2	1.2	19.1	1.7	5
6	19.4	0.6	19.0	2.0	19.7	2.2	16.8	1.0	16.0	1.0	19.5	1.3	19.6	1.6	19.9	3.0	6
7	18.9	0.6	19.1	1.6	20.4	2.6	16.4	0.9	16.1	1.1	19.9	1.4	19.9	1.4	19.7	2.8	7
8	19.0	0.6	20.5	1.5	20.9	1.9	19.3	2.0	18.8	1.3	20.2	1.5	21.1	1.6	20.8	3.2	8
9	20.6	1.6	22.7	3.4	22.2	2.6	23.0	3.0	22.9	3.1	21.3	1.5	20.7	1.4	22.0	3.6	9
10	21.3	1.7	23.0	3.6	23.3	3.7	23.1	3.0	23.7	4.2	22.8	2.8	20.4	1.2	22.6	4.4	10
11	22.2	1.8	23.6	4.1	24.0	4.4	24.0	3.7	24.3	4.4	23.4	3.1	21.5	1.8	23.2	5.1	11
Noon	21.5	2.5	23.5	4.3	24.2	5.0	24.5	4.5	24.8	5.1	24.0	3.5	22.6	2.4	23.3	5.1	Noon
13h	21.1	2.1	23.9	4.7	24.0	4.8	23.5	3.3	25.0	5.0	22.9	2.2	21.7	1.8	23.5	5.3	13h
14	20.5	1.5	23.4	3.7	23.8	4.8	23.2	2.9	24.7	4.7	22.9	2.4	21.2	1.2	23.5	4.8	14
15	21.4	2.0	23.1	3.7	23.5	3.9	23.8	3.4	24.0	3.9	22.0	2.0	21.1	1.6	23.1	4.1	15
16	21.8	2.2	22.8	3.7	23.0	3.6	23.3	3.4	24.2	4.1	21.1	1.5	21.5	2.0	22.2	3.4	16
17	21.4	2.3	21.9	3.0	22.1	3.3	23.0	3.2	23.4	3.5	21.1	1.6	20.6	1.5	21.9	3.8	17
18	20.3	2.3	20.5	2.4	21.4	2.6	21.1	2.1	21.7	2.4	20.5	1.4	20.1	1.7	21.1	3.5	18
19	19.7	1.7	19.7	1.9	19.9	1.4	19.4	1.8	20.4	2.1	20.9	1.9	20.0	1.8	19.6	3.0	19
20	19.6	1.6	19.8	1.9	20.0	1.5	18.9	1.5	19.9	1.8	20.0	1.2	20.0	1.8	19.7	2.7	20
21	19.1	1.4	19.8	2.0	20.0	1.5	18.4	1.1	19.7	1.7	20.0	1.2	19.9	1.9	19.0	2.5	21
22	18.9	1.4	19.2	2.1	19.0	1.0	17.7	1.0	19.3	2.0	19.5	1.3	19.8	1.9	18.8	2.5	22
23	18.5	1.1	19.3	1.7	18.0	1.0	17.2	1.0	18.8	1.7	19.7	1.1	20.0	2.1	18.4	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	18.8	1.8	19.3	2.7	19.0	1.1	16.2	1.3	18.8	1.7	17.8	0.8	18.9	2.1	19.8	1.5	Mid-night
1h	19.2	1.5	19.5	2.8	18.9	1.8	16.8	1.8	18.6	1.3	18.0	1.1	19.2	2.3	18.8	1.7	1h
2	19.2	1.4	19.4	2.7	18.8	1.0	16.5	1.6	18.7	1.2	18.6	1.2	18.3	1.5	17.2	1.0	2
3	19.2	1.4	18.9	2.1	18.3	0.8	16.2	1.7	18.9	2.1	18.8	1.3	17.8	1.1	16.9	1.1	3
4	18.8	1.3	18.0	1.7	17.6	1.1	15.4	1.4	17.2	1.4	18.2	1.1	18.0	1.2	16.7	0.7	4
5	18.7	1.6	17.8	1.5	16.7	1.1	13.8	0.8	16.6	1.5	18.6	0.9	17.2	1.2	17.8	0.3	5
6	19.0	1.1	17.5	1.4	16.7	0.8	13.0	0.7	16.4	1.3	18.7	0.8	18.3	1.2	17.0	0.9	6
7	19.1	1.1	19.0	2.0	18.2	1.2	14.0	0.9	17.8	1.5	18.9	0.7	18.9	1.7	17.0	0.8	7
8	19.6	0.6	19.7	2.2	18.8	1.1	19.2	3.0	18.4	1.4	19.0	0.6	19.0	1.3	20.0	1.0	8
9	21.5	2.3	21.2	2.3	22.4	3.6	22.1	4.6	22.0	3.7	20.0	1.0	21.0	1.8	20.0	1.0	9
10	20.7	1.4	21.5	2.5	22.2	3.1	23.2	5.5	22.5	4.1	20.9	1.9	22.9	3.7	22.0	1.3	10
11	21.9	2.7	22.8	3.8	22.5	4.3	23.9	5.1	23.5	5.5	20.5	1.5	23.0	3.7	20.3	0.3	11
Noon	20.4	1.4	23.0	3.9	23.5	5.5	24.1	6.2	23.7	4.9	21.8	2.3	22.8	3.5	20.6	0.6	Noon
13h	21.2	1.6	22.1	3.1	23.7	5.9	24.0	5.4	23.6	5.5	22.0	2.5	22.2	3.2	22.0	1.6	13h
14	22.7	3.6	23.1	4.6	24.0	6.1	23.5	4.8	23.8	5.1	22.8	3.8	22.0	2.8	23.2	3.2	14
15	22.3	3.8	23.0	5.2	23.6	5.6	23.0	4.4	23.2	5.6	22.6	4.3	23.0	3.9	23.2	3.7	15
16	22.5	4.0	22.0	4.5	23.1	5.0	22.4	4.7	22.5	4.7	22.2	4.1	22.6	3.6	23.4	4.4	16
17	21.7	4.1	20.5	3.3	21.7	3.6	21.5	4.1	21.6	4.0	21.3	3.4	21.7	2.9	22.0	2.9	17
18	20.6	3.4	20.2	3.1	19.8	2.0	21.0	3.7	20.5	2.5	20.2	2.7	20.7	2.0	20.3	1.6	18
19	20.3	3.3	19.8	2.7	17.8	1.5	19.2	2.1	19.6	2.1	19.9	2.6	20.1	1.5	19.2	1.3	19
20	20.4	3.6	19.3	2.3	16.5	1.4	18.1	1.8	18.9	1.8	19.5	2.3	20.0	1.4	19.5	1.6	20
21	20.1	3.4	19.4	2.2	16.8	1.8	17.8	2.1	18.9	1.9	19.2	2.1	20.1	1.4	19.2	1.3	21
22	20.0	3.5	19.0	2.1	17.0	1.1	16.2	1.2	18.0	1.3	19.6	2.4	20.0	1.8	19.1	1.1	22
23	19.7	3.1	18.8	1.8	16.2	1.2	18.0	1.1	18.5	1.0	19.3	2.3	20.0	2.0	19.2	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).

JUNE, 1943.

Hour \ Day	17d. Air	17d. Excess of air over Evap.	18d. Air	18d. Excess of air over Evap.	19d. Air	19d. Excess of air over Evap.	20d. Air	20d. Excess of air over Evap.	21d. Air	21d. Excess of air over Evap.	22d. Air	22d. Excess of air over Evap.	23d. Air	23d. Excess of air over Evap.	24d. Air	24d. Excess of air over Evap.	Hour
Midnight	19.3	0.5	19.0	0.2	18.0	0.8	16.2	0.3	17.5	3.0	16.0	1.0	18.1	1.1	18.7	0.6	Midnight
1h	18.8	0.7	19.3	0.4	18.2	0.4	15.5	0.5	16.2	3.3	16.3	0.9	17.6	1.0	18.6	0.4	1h
2	18.6	0.7	19.2	0.2	18.5	0.5	15.3	0.5	17.0	3.0	16.2	0.9	18.7	1.0	18.5	0.7	2
3	19.0	0.4	19.1	0.2	18.0	0.4	15.1	0.7	15.8	2.7	16.1	1.3	18.1	1.0	18.1	0.2	3
4	19.0	0.3	19.0	0.4	18.0	0.4	14.6	0.5	14.0	1.7	16.1	1.1	18.0	1.0	17.9	0.3	4
5	18.7	0.3	18.8	0.5	17.0	0.1	14.7	0.5	12.5	1.4	15.7	0.8	17.9	1.3	17.6	0.7	5
6	19.4	0.4	18.5	0.5	17.0	0.6	14.9	0.6	12.0	0.9	16.1	1.2	18.0	1.4	17.5	0.7	6
7	19.0	0.1	19.0	0.4	17.2	0.7	14.5	0.6	12.2	1.0	16.0	1.6	16.1	1.1	17.1	0.2	7
8	19.6	0.2	20.8	0.6	19.6	0.6	17.3	0.2	16.3	2.1	16.4	0.9	18.3	0.8	18.6	0.1	8
9	21.2	1.2	22.6	1.6	22.5	1.7	19.4	0.2	19.4	3.3	19.9	3.3	20.4	2.9	21.8	2.6	9
10	22.7	2.0	23.5	3.5	23.4	2.6	19.7	0.9	20.0	4.1	22.0	5.3	22.7	4.9	22.6	3.5	10
11	22.5	2.4	24.1	3.7	24.0	3.3	21.0	1.8	21.0	4.3	22.6	6.0	22.9	5.1	23.3	4.3	11
Noon	21.5	0.7	24.2	3.9	23.8	2.8	21.5	3.1	22.0	5.2	23.0	6.7	23.0	4.7	23.6	4.0	Noon
13h	23.3	2.4	24.3	3.6	23.3	2.2	22.0	3.4	22.1	5.6	23.4	6.7	23.0	5.2	24.2	5.6	13h
14	23.7	3.3	24.3	3.8	22.0	0.7	22.2	4.0	22.0	5.9	23.3	6.0	22.8	4.6	24.3	4.7	14
15	23.8	3.8	23.0	2.2	22.6	1.7	22.2	4.3	21.1	5.3	22.5	5.5	23.0	4.9	23.8	3.8	15
16	23.1	2.6	23.2	3.2	22.9	1.9	21.2	4.1	21.2	5.7	22.4	5.6	22.4	4.4	23.1	4.0	16
17	22.4	2.2	22.2	3.0	22.7	1.4	20.3	4.0	20.9	5.2	21.3	4.4	21.9	4.0	23.0	4.0	17
18	20.8	0.9	20.2	1.1	22.0	1.0	19.1	3.2	19.7	4.6	19.7	3.2	20.4	2.9	21.9	3.3	18
19	20.2	0.5	19.2	0.7	20.6	0.6	19.0	3.3	18.7	3.7	18.0	1.9	20.0	2.1	21.5	3.3	19
20	20.6	0.6	18.3	1.0	19.2	0.4	18.7	3.5	18.2	2.6	18.3	1.3	19.3	1.8	20.5	2.3	20
21	20.3	0.4	17.7	0.6	18.5	0.6	18.3	3.3	17.4	1.6	18.1	1.4	19.1	1.4	20.0	1.8	21
22	20.2	0.6	17.6	0.5	17.2	0.2	17.4	3.0	16.6	1.9	17.9	1.4	19.0	1.2	20.0	1.8	22
23	19.2	0.4	17.4	0.8	16.8	0.4	17.0	3.0	16.2	1.2	18.2	1.3	19.2	1.2	20.1	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.	... Air	... Excess of air over Evap.	Mean Air	Mean Excess of air over Evap.	Day
Midnight	20.0	1.6	19.5	0.6	18.7	1.2	19.2	1.3	19.7	0.8	19.0	1.0	...	...	18.5	1.2	Midnight
1h	20.2	2.1	19.0	0.9	19.1	0.9	19.0	1.3	19.8	0.8	19.1	0.7	...	...	18.5	1.3	1h
2	20.1	2.1	19.0	0.9	18.9	0.6	19.1	1.3	20.1	1.0	19.3	0.4	...	...	18.4	1.1	2
3	20.0	1.6	19.2	0.3	18.5	0.5	19.9	1.6	19.1	0.9	19.8	1.1	...	...	18.3	1.2	3
4	19.9	0.9	19.4	0.5	18.7	0.3	19.7	1.3	18.7	0.8	19.6	0.7	...	...	18.0	1.1	4
5	19.3	1.3	19.5	0.6	19.2	0.3	19.6	1.1	18.8	0.9	19.5	0.7	...	...	17.6	1.0	5
6	19.0	0.9	19.0	0.2	19.4	0.5	19.5	1.2	18.1	0.4	19.5	0.5	...	...	17.6	1.0	6
7	19.1	1.1	18.9	0.3	19.3	0.2	19.5	0.8	18.3	0.5	19.6	0.6	...	...	18.0	1.0	7
8	19.0	0.4	19.6	0.3	19.6	0.3	19.8	0.1	19.5	0.7	20.1	0.9	...	...	19.3	1.1	8
9	21.3	2.5	21.3	1.6	21.0	1.2	21.5	1.5	21.6	2.6	21.6	1.8	...	...	21.4	2.3	9
10	23.3	4.5	22.9	3.5	22.5	2.7	23.0	3.4	23.0	3.9	23.2	3.2	...	...	22.4	3.3	10
11	24.2	5.2	23.7	4.1	22.8	2.8	23.5	3.4	24.0	4.2	23.7	3.6	...	...	22.9	3.7	11
Noon	23.5	3.8	24.1	3.8	22.6	2.7	23.0	2.7	23.8	3.6	24.1	3.8	...	...	23.1	3.8	Noon
13h	24.4	4.9	24.0	4.2	23.3	4.0	22.7	2.2	24.1	4.1	25.0	4.9	...	...	23.2	3.9	13h
14	24.0	4.6	23.7	3.6	23.3	4.2	22.0	1.5	23.5	3.9	25.0	4.8	...	...	23.1	3.8	14
15	22.6	3.3	23.0	3.0	22.8	4.0	22.0	2.1	22.6	3.1	24.0	4.2	...	...	22.8	3.7	15
16	22.2	3.0	23.1	3.3	23.0	5.0	21.3	1.5	23.2	4.0	24.0	4.3	...	...	22.6	3.6	16
17	20.7	1.6	22.5	2.6	22.4	3.4	21.0	1.0	22.5	3.4	23.3	4.3	...	...	21.8	3.2	17
18	20.0	1.0	21.7	2.4	21.4	2.6	20.0	0.9	21.1	1.9	21.0	2.2	...	...	20.6	2.3	18
19	20.0	1.0	20.5	1.7	20.7	2.6	19.7	0.7	21.0	2.1	20.5	2.2	...	...	19.8	1.9	19
20	20.1	1.1	20.2	1.9	19.7	1.9	19.6	0.7	20.5	1.9	19.3	1.4	...	...	19.4	1.7	20
21	20.0	1.0	20.0	2.0	19.0	1.8	19.5	0.5	20.3	1.6	18.5	1.3	...	...	19.1	1.6	21
22	18.7	0.8	19.7	1.7	19.3	1.7	19.4	0.6	20.1	1.2	18.1	0.9	...	...	18.7	1.5	22
23	18.0	0.6	19.2	1.6	18.6	1.4	19.5	1.0	19.9	1.1	18.0	0.8	...	...	18.6	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 JUNE, 1943.

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, 1943.

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.
Mid-night	10	2.2	10	4.0	10	3.2	10	1.9	11	1.7	12	1.9	12	2.0	12	4.7	12	2.6	12	3.7	12	3.1	12	2.7	12	2.7	12	1.9	11	3.0	12	3.5
1h	08	3.8	10	3.2	10	2.9	10	2.6	11	2.1	12	2.0	12	1.3	12	4.3	12	2.2	12	4.0	11	2.5	12	2.7	11	1.8	12	1.8	11	3.5	12	2.2
2	06	3.0	11	2.4	10	2.1	10	1.9	11	2.0	12	1.4	12	1.2	12	2.5	11	2.6	11	3.4	12	2.4	14	3.0	11	1.8	12	2.6	11	1.6	12	2.1
3	08	1.0	11	2.5	09	2.2	10	1.6	11	2.1	12	1.7	12	1.1	12	5.3	12	2.4	12	2.9	12	1.8	14	3.4	12	3.2	12	3.3	12	2.5	12	2.1
4	10	2.8	11	2.4	10	2.9	10	0.9	11	2.1	12	1.5	15	1.6	12	4.4	12	2.9	12	3.0	12	1.9	12	2.3	14	3.0	11	2.2	12	2.3	13	2.0
5	08	3.7	11	3.5	10	3.0	10	2.2	11	2.2	12	0.9	13	2.8	12	3.0	11	2.1	11	2.7	12	2.2	12	1.2	14	2.5	11	2.7	12	1.5	13	1.4
6	09	3.9	10	2.5	10	2.3	10	2.0	11	2.3	12	1.3	12	2.3	12	3.6	11	3.0	11	2.9	12	2.1	15	1.8	14	2.9	11	3.1	10	1.9	13	1.7
7	09	3.2	10	3.7	09	2.4	10	1.8	11	1.6	12	1.3	12	2.2	12	3.5	12	3.7	12	4.0	11	2.4	11	1.2	12	1.4	12	2.9	10	1.7	13	2.0
8	09	4.7	10	4.0	10	3.4	10	1.8	11	1.2	16	1.0	11	4.0	12	4.4	10	4.0	11	4.0	05	2.0	12	3.2	17	1.8	10	2.4	08	1.7	11	3.2
9	08	5.4	09	4.9	09	2.3	07	2.3	08	1.6	20	1.6	11	6.0	10	5.8	10	5.1	10	5.2	10	4.1	12	4.6	12	3.4	10	3.1	12	3.4	11	4.0
10	08	6.0	09	5.5	08	4.4	07	3.1	09	2.0	09	2.2	10	7.1	12	6.9	11	5.6	10	6.2	09	4.4	10	4.8	12	5.0	12	6.1	10	5.1	11	3.3
11	09	5.0	08	5.9	05	4.3	07	2.9	12	2.2	11	2.6	13	3.7	11	6.8	12	6.5	09	7.0	09	4.2	09	5.0	10	4.5	09	4.4	11	5.0	r03	2.9
Noon	05	5.6	08	5.8	08	4.4	05	3.0	11	1.8	12	3.1	12	4.8	09	6.6	12	5.3	10	7.8	09	4.4	10	4.5	13	4.8	10	5.0	09	5.3	06	3.1
13h	11	4.9	08	5.8	09	5.0	10	2.7	08	1.8	13	3.5	12	5.0	12	7.7	11	6.8	08	7.7	07	4.0	10	5.0	13	4.6	11	6.4	10	5.8	07	2.9
14	09	5.5	08	5.8	09	4.9	08	2.2	11	1.7	09	3.7	13	4.6	11	7.1	11	8.9	09	7.9	09	3.6	10	5.6	11	4.7	11	6.5	12	5.2	08	4.4
15	08	4.8	10	5.6	10	4.8	08	2.1	d24	3.1	12	3.5	13	3.8	09	6.3	12	9.8	11	6.6	08	3.2	10	5.3	13	5.2	09	6.5	12	5.1	07	4.2
16	09	4.9	09	5.0	10	5.2	08	2.0	21	3.0	10	3.1	10	5.2	10	5.1	11	7.2	10	5.7	12	3.6	10	3.5	10	4.9	10	5.2	r2	4.7	09	3.1
17	09	4.3	08	4.1	09	3.6	06	2.1	22	2.0	12	3.1	12	4.4	10	4.4	11	6.4	10	3.9	10	2.2	11	4.9	11	3.8	10	3.4	12	4.1	09	2.3
18	09	4.1	09	3.0	09	2.3	07	1.5	21	1.2	13	2.1	13	3.1	11	3.2	11	5.7	11	4.7	09	1.4	11	4.7	12	2.8	11	2.9	12	4.1	09	2.0
19	09	4.5	09	2.8	09	2.0	11	1.8	r12	1.2	14	3.1	11	3.7	11	2.2	12	5.2	10	3.4	13	1.4	11	2.0	14	2.2	11	3.4	12	3.9	11	2.3
20	08	3.9	10	2.6	09	2.0	11	2.1	12	2.0	11	1.7	13	3.4	11	2.2	12	4.7	11	3.1	13	1.4	11	1.3	13	1.4	13	2.3	11	3.3	10	2.3
21	09	4.6	09	3.3	09	2.0	11	1.8	12	1.3	12	2.0	10	3.3	12	2.3	14	4.4	10	5.3	13	3.9	11	1.4	13	2.0	11	2.7	11	3.2	10	2.7
22	10	3.4	10	2.5	09	1.8	11	1.6	12	1.6	12	1.7	12	3.7	12	1.9	12	3.9	12	3.3	12	2.1	10	2.1	12	1.9	10	3.9	11	3.9	11	2.4
23	11	2.7	10	3.2	09	1.9	11	2.0	12	1.9	12	1.8	12	3.0	12	1.9	12	3.7	11	2.8	12	2.1	10	0.8	12	1.7	11	3.5	11	3.2	11	2.3

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.	
Mid-night	11	2.7	08	2.4	09	1.4	13	1.8	11	2.5	13	3.4	11	2.2	08	2.1	10	3.7	08	2.4	09	2.4	10	3.2	08	4.4	08	2.6	..	...	2.7
1h	11	1.6	12	2.3	09	1.8	13	1.4	12	2.8	13	3.2	11	2.2	08	1.8	10	3.8	10	2.1	09	2.2	09	2.6	08	3.0	10	2.3	..	...	2.5
2	11	1.8	13	1.0	09	1.2	13	1.9	12	2.4	13	2.6	10	1.9	10	2.6	10	3.7	09	1.9	10	1.2	10	2.3	07	4.0	09	2.9	..	...	2.3
3	11	1.7	12	1.4	09	1.0	12	1.7	11	2.0	13	2.6	11	3.2	10	2.4	10	3.4	09	2.1	10	1.9	10	3.3	07	3.1	08	3.0	..	...	2.4
4	13	1.7	11	2.1	11	1.8	12	2.1	11	0.6	12	2.0	11	3.7	10	2.6	06	3.3	10	2.2	11	1.4	10	3.0	08	2.3	08	3.4	..	...	2.3
5	13	1.4	11	2.1	11	1.8	12	1.8	11	1.3	14	2.4	10	3.8	10	2.3	06	3.0	10	2.3	10	3.0	08	3.2	09	3.1	07	2.3	..	...	2.3
6	10	2.5	11	1.9	11	2.2	12	1.7	12	1.6	12	2.2	10	3.2	11	2.7	07	4.1	10	2.2	10	2.7	07	3.4	09	2.3	10	2.1	..	...	2.5
7	07	2.3	11	2.7	11	1.8	12	1.5	12	1.7	15	1.9	10	2.7	10	2.8	09	2.2	10	2.3	07	4.7	09	2.5	06	2.8	09	2.6	..	...	2.5
8	11	1.9	11	2.3	11	1.2	12	1.2	12	1.6	15	2.6	10	2.4	10	3.2	09	2.2	10	1.8	09	3.3	10	3.1	10	3.0	10	2.7	..	...	2.7
9	12	1.3	10	3.6	09	1.4	18	1.2	13	1.6	14	3.2	09	4.2	11	3.4	09	3.3	10	2.2	10	3.5	10	4.4	10	4.5	07	4.2	..	...	3.5
10	11	2.2	10	3.5	07	1.8	14	1.0	13	3.9	11	4.6	09	6.3	10	6.0	09	4.1	08	5.3	09	4.6	09	5.1	09	4.6	09	4.6	..	...	4.5
11	08	4.3	09	4.0	06	2.3	14	4.6	13	4.0	13	4.9	09	6.0	10	5.7	06	4.9	09	5.0	08	5.7	10	5.6	10	4.5	06	4.7	..	...	4.6
Noon	08	2.3	09	4.2	03	2.1	14	5.5	14	5.2	09	5.2	11	5.3	09	4.5	08	5.9	09	4.5	09	5.7	10	5.4	09	5.1	06	4.0	..	...	4.7
13h	06	3.3	09	4.2	07	1.8	13	6.1	12	4.2	10	5.4	11	6.3	08	8.0	06	5.6	07	4.7	07	5.1	09	4.8	11	5.3	07	4.4	..	...	5.0
14	06	3.9	08	2.9	11	1.5	16	6.4	15	4.2	11	4.9	09	5.4	08	5.8	09	5.9	08	4.1	06	5.0	08	4.7	08	5.9	10	3.9	..	...	4.9
15	08	4.0	07	4.4	06	1.6	15	6.9	13	4.8	11	5.3	09	4.8	06	4.8	06	5.1	10	6.3	08	4.8	10	4.9	09	5.2	09	4.3	..	...	4.9
16	08	3.8	07	3.2	06	1.1	13	5.5	14	4.4	11	5.3	12	5.8	06	6.6	07	5.1	08	5.2	06	4.3	08	3.5	10	3.5	10	4.2	..	...	4.5
17	09	3.1	08	2.1	03	0.6	13	4.8	13	3.8	11	3.7	11	3.3	08	3.7	09	4.4	08	4.4	08	3.6	09	4.1	09	4.1	10	3.5	..	...	3.6
18	10	1.8	09	1.6	03	0.6	13	4.3	14	2.6	10	2.4	11	3.1	08	5.3	09	3.7	09	2.9	09	4.1	08	4.3	11	3.2	10	3.1	..	...	3.1
19	10	2.0	09	2.1	d13	1.3	12	5.4	12	1.3	11	3.0	10	2.7	09	3.8	08	1.8	10	2.2	09	1.5	08	4.2	11	3.8	10	1.8	..	...	2.7
20	10	2.3	09	2.0	13	1.0	12	5.4	12	2.1	11	2.0	10	1.8	09	3.1	07	3.3	10	2.0	10	2.7	10	2.5	10	3.5	10	2.4	..	...	2.5
21	12	2.6	09	1.9	13	1.4	12	4.7	10	2.4	10	3.1	10	2.3	11	3.7	08	2.2	09	2.3	10	2.4	09	3.4	12	3.3	10	2.2	..	...	2.8
22	10	3.5	09	1.5	13	1.8	11	3.1	13	2.8	10	2.7	10	2.5	10	3.8	08	1.9	10	2.3	10	2.7	09	4.1	08	1.9	10	2.0	..	...	2.6
23	12	3.0	09	2.0	13	1.5	09	3.0	13	2.4	11	3.0	07	2.6	10	3.6	09	2.1	10	1.8	10	3.2	09	3.9	08	1.7	10	2.0	..	...	2.5

TABLE XIII.-WIND FREQUENCY (NUMBER OF OBSERVATIONS), JUNE, 1943.

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	-	-	-	-	6	5	16	1	-	-	-	-	-	-	-	-
9	-	2	28	-	-	-	-	9	10	8	1	-	1	1	-	-	-	-	-
15	-	7	23	-	-	1	2	12	5	8	-	1	-	-	-	1	-	-	-
21	-	-	30	-	-	-	-	7	8	14	1	-	-	-	-	-	-	-	-
Totals				-	-	1	2	34	28	48	3	1	1	1	-	1	-	-	-

TABLE XIVa.-RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for JUNE, 1943

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d
1h	0.6																		0.1					0.9						
2	2.1																		0.1				0.5			0.1	0.4		0.1	
3			0.1												0.1		0.4						0.3			0.6				
4																								0.3		0.1				
5	3.5								0.1															0.2	5.3			0.2		
6	1.2								1.7					0.2	0.5												0.2			
7									0.4								0.9			0.3			0.5				1.6	0.2		
8	0.1	0.3	0.1				0.1		0.6					1.0			0.1							0.1	0.2		0.5	2.0		
9							0.1							1.9	1.1															
10							0.8		1.4					0.1																
11							2.3							0.3													0.2			
Noon							0.1		0.6					0.4		3.1		0.4												
13h							0.2		0.1							0.9												0.2		
14	0.8						0.1												4.7									0.3		
15	1.8						0.5																							
16	0.1																											0.4		
17							0.1											0.1							0.1			0.1		
18																												1.9		
19	0.5						0.1																		0.1			1.9		
20	0.6																	0.3							0.1			0.3		
21	0.4																	0.3				0.1			0.2					
22	1.5																													
23	1.2					0.1							0.3																0.5	
24																		1.4					0.4		1.1					

TABLE XIVb.-RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for JUNE, 1943

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
1h							0.4	0.3						0.9				2.7						0.8	0.6				0.2	
2			1.0				0.3	0.4						1.9	0.5									0.2		0.4		0.3	0.5	
3														0.5				2.4						0.3						0.1
4						1.5	1.7		0.5					0.8		0.3	0.2	0.6						1.7			0.3	0.4		0.3
5							5.8		2.2					0.7	0.9								0.1	0.7	1.7		0.2			0.3
6						0.4	3.4	0.2	0.8					1.4			0.9										1.2	1.2	0.8	1.6
7						0.3	1.2		1.3					0.9	0.2		1.3						0.7		0.2	0.1	1.7	1.7	0.5	0.1
8						0.4	1.0		0.5					2.0						3.2				0.5			1.5	0.8		
9		0.8				0.9	1.8		1.5	0.4			0.4	1.9	0.6	0.6														0.2
10														0.8																0.8
11	0.4						0.6		0.9					2.2													0.4			
Noon							0.9		0.4					3.8			0.2													
13h									2.5	0.3																				
14						0.2	0.2		0.4																	0.5				
15	0.1						0.6		0.2																0.2	0.2				
16							0.5		0.2																					
17						0.3	0.2																		0.3	0.2				
18						0.4	0.3		0.2																0.4	0.4		0.5		
19						0.8	0.9						0.7												0.5			2.9	0.4	
20						0.8	0.2								0.2								0.1		0.6			0.6		
21						0.3	0.4										0.6											1.7	1.0	
22												0.4	0.4		0.3							0.2	0.1	0.9			0.4	0.3		
23		0.1				0.1	0.5										0.1					0.1	0.3	0.3						
24						0.1	0.4	0.2				0.2					0.1				0.5	0.4	0.2		0.2					

TABLE XV.-TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS according to RIVER SYSTEMS indicated on the CHART for JUNE, 1943.

RIVER SYSTEM.	STATIONS	Approximate Altitude in feet.	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20	2.94	74.4	2.41	
	St. Antoine	50	1.65	42.0	2.40	
	Bel Mont	50			2.85	
	Poudre d'Or	20			2.74	
	Mon Loisir S.E.	300	3.35	85.1	3.91	14
	Forbach	300	2.22	56.4	2.55	12
	Couroupa				2.43	
	Labourdonnais	290	1.99	50.5	3.02	12
	Mapou Water Office			No Record.		
	Beau Sejour	300	3.36	85.3	4.05	17
	Mont Piton	650	3.42	86.9	4.59	14
	Mon Choix	700	3.69	93.7	4.36	11
	Antoinette	640	2.71	68.8	4.20	12
	Mon Songe	620	2.46	62.5	4.48	11
	Botanical Gardens	325	2.48	63.0	3.01	23
	The Observatory	179	2.53	64.4	2.41	22
	Solitude	175	1.66	42.2	1.38	13
	St. Andre-cour	90			1.87	
	La Nicollere	...	3.22	81.8	5.29	19
	California	...	2.62	66.5	...	11
	Australia	...	3.05	77.5	...	
2 & 3	Union Flacq S.E.	600	3.21	81.5	5.04	14
	Constance La Gaite	100	3.01	76.5	4.18	15
	Rich Fund	600	4.23	107.4	4.57	16
	La Joffrette	...	4.20	106.7	...	13
	Belle Vue Allendy	...	2.84	72.1	3.74	12
4	Sans Souci	900	16.03	407.2	10.46	24
	Beau Champ G.R.S.E.	20	3.34	84.8	4.10	19
	Olivia	400	5.13	175.7	6.03	20
	Trois Ilots	...	4.39	111.5	...	17
	Belle Rive	400	7.63	193.6	6.27	25
	Sebastopol	700			...	
	Bonne Veine	400	8.53	216.7	6.55	23
5	Rose Belle	850	7.54	191.5	8.31	24
	New Greve	650	7.35	186.7	9.60	20
	Mon Tresor	...	7.63	193.6	...	18
	Mon Desert-Carie	75	3.36	85.3	3.78	16
	Ferney	20			6.20	
	Sauve Terre	...	3.11	79.0	...	20
6	Tivoli	1300	10.69	271.5	9.35	25
	La Flora	1050	9.21	233.9	8.16	25
	Riche Bois Britannia	650	6.01	252.7	5.87	24
	Britannia Estate	700	7.68	195.1	8.19	25
	Savannah Mill	200	3.75	95.3	4.81	19
	St. Aubin	300	2.86	72.6	4.94	18
	St. Avold	900	10.23	259.8	7.72	25
	Colmar	400	7.44	189.0	6.79	23
	Union S.E.	...	4.62	117.3	3.37	
	Fontenelle	320	5.95	151.1	4.61	
	Choisy	200	4.56	115.8	3.18	15
	Beau Bois	...	7.30	185.4	...	23
	Bel Air	...	4.17	105.9	3.42	7
	St. Felix	...	5.30	134.6	...	10
7,8, 9 & 10	Bel Ombre	40	4.35	110.5	3.64	20
	Beau Champ B. au Cap	70	4.55	115.6	2.79	16
	Frederica	...	5.56	141.2	3.27	18
	Pierre Fonds	...	1.79	45.5	1.11	20
	Ste. Marie	...	5.78	146.8	...	18
	Hussonia	...			...	
11	Curepipe Gardens	1650	8.83	224.3	7.55	16
	Mare aux Vacoas G.E.	1640	11.16	283.5	7.79	27
	Mare aux Vacoas Arnaud	1630	13.56	344.4	10.62	28
	La Marie Filter beds	1700	7.36	186.9	6.01	26
	Sophie			No Record.		
	Reunion	1420	5.68	144.3	4.60	24
	Aerological Station	1393	4.63	117.5	3.65	26
	Phoenix	...	5.21	132.3	...	11
	Quatre Bornes	...	2.13	54.1	...	13
12	Quatre Bornes Board	1090	10.00	254.0	...	8
	Le Reduit Dep. of Agr.	1000	2.88	73.2	2.33	28
	Alma	1460	8.44	214.4	7.64	22
	Bagatelle	1250	6.71	170.4	4.33	20
	Highlands	1300	6.90	175.3	4.78	21
	Trianon	950	2.60	66.0	2.71	13
	Val Ory	1100			3.10	
	Bassin	...	1.79	45.5	1.35	11
	Hermitage	1450	7.27	184.7	7.10	19
	Ebene	...	3.40	86.4	...	22
	Bega	...	2.24	56.9	...	20
	Mon Reve	...	3.77	95.8	...	22
	Mont Pevril	...	2.72	69.1	...	22
	Minissy	1150	3.71	94.2	3.00	22
	Plaisance	...			...	
	La Ferme	350	0.63	16.0	1.35	6
13	Line Barracks	...	0.53	13.6	...	16
	Richelieu Tobacco Res. Stn.	...	0.45	11.4	...	9

TABLE XVI.-PILOT BALLOON OBSERVATIONS FOR THE MONTH OF JUNE, 1950.

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,500 metres		2,000 metres		2,500 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.
1	9.06	101	4.5	109	10.4	099	13.3	093	13.1	089	11.7	070	7.5	031	6.1	104	3.2	069	3.9	003	2.2	248	2.9
2	9.35	104	3.6	104	13.6	104	15.0	100	13.0	091	10.7	072	3.1	237	2.3	087	2.4	190	1.7	...	...	...	...
3	9.38	107	3.1	095	7.7	085	11.3	085	13.1	087	16.4	092	8.0	107	4.1	084	6.3	081	2.6	108	2.9	140	1.7
4	10.00	074	0.9	068	3.5	079	4.0	071	4.9	066	5.9	...	...	...	...	...	...	...	...	...	...	...	...
5	9.05	135	0.5	090	2.7	090	4.0	125	4.9	134	5.2	154	4.6	176	4.8	178	6.8	182	9.2	185	9.1	183	6.6
6	9.12	136	0.5	119	1.4	087	3.7	072	4.1	107	5.0	...	...	...	...	...	...	...	...	...	...	...	...
7	10.00	135	4.5	128	10.4	122	14.9	114	13.1	119	0.4	...	...	...	...	...	...	...	...	...	...	...	...
8	10.00	135	6.3	123	10.6	129	10.8	132	13.0	128	17.8	117	9.6	170	2.8	155	3.2	295	2.6	333	3.3	114	2.3
9	9.20	112	4.5	115	12.3	112	16.4	113	16.1	110	15.0	114	9.4	117	9.7	118	9.5	...	...	...	...	...	...
10	11.15	118	6.7	107	10.0	101	12.6	099	16.2	101	17.9	102	5.4	107	4.5	094	7.3	124	5.6	155	7.9	...	...
11	12.30	101	4.5	107	11.7	105	16.5	100	12.5	107	4.0	106	9.0	118	6.8	...	...	...	...	...	...	...	...
12	9.10	124	3.6	121	8.8	126	10.9	128	10.3	154	5.3	174	2.1	174	1.0	158	3.7	160	3.9	175	3.5	176	5.6
13	9.22	112	3.6	144	3.8	135	5.4	117	6.6	111	6.8	124	6.0	151	6.3	177	4.6	180	6.5	182	5.	173	9.4
14	9.20	124	1.3	116	9.6	106	12.3	096	12.7	095	16.2	099	11.0	...	...	...	...	...	...	...	...	...	...
15	9.33	101	4.5	113	11.9	115	14.5	115	10.1	109	9.8	106	7.3	107	3.0	...	...	...	...	...	...	...	...
16	9.20	146	0.9	104	7.2	086	9.0	076	9.8	066	11.2	064	7.9	...	...	...	...	...	...	...	...	...	...
17	9.13	124	0.4	117	4.0	094	7.1	078	8.3	070	8.2	088	6.2	...	...	...	...	...	...	...	...	...	...
18	9.25	101	3.6	121	8.2	114	9.7	103	9.5	089	8.0	054	7.8	074	2.5	079	4.2	043	1.3	312	2.9	321	6.4
19	9.15	090	0.5	093	4.6	087	3.9	101	2.6	170	1.2	287	2.3	315	5.7	279	5.1	...	...	...	...	...	...
20	9.35	158	0.5	185	1.1	167	4.0	177	8.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	9.17	169	0.5	176	4.6	150	5.8	148	5.9	143	3.7	...	...	...	...	...	...	...	...	...	...	...	...
22	9.15	141	0.9	138	3.7	128	7.5	119	7.6	109	7.0	136	7.8	151	5.3	166	8.8	173	6.5	193	10.7	204	124
23	9.23	101	4.5	100	7.1	107	8.1	106	11.3	109	10.7	...	...	...	...	...	...	...	...	...	...	...	...
24	9.49	101	5.2	110	9.4	107	9.4	101	10.5	084	9.3	080	10.7	101	8.6	089	6.7	076	7.6	091	8.7	...	...
25	14.00	112	5.4	108	13.4	104	17.0	096	16.4	094	15.6	075	7.9	...	...	...	...	...	...	...	...	...	...
26	11.23	101	4.5	097	8.6	099	10.2	099	9.4	108	7.3	066	5.7	...	...	...	...	...	...	...	...	...	...
27	9.18	090	6.7	099	7.9	096	14.1	096	14.9	097	13.7	086	11.4	...	...	...	...	...	...	...	...	...	...
28	9.40	112	4.5	113	12.7	106	14.6	100	12.6	092	11.0	073	12.1	098	11.6	063	6.0	034	3.3	...	...	...	...
29	9.42	124	3.6	126	8.9	124	8.0	113	7.1	091	7.7	059	6.9	083	2.7	108	4.1	052	1.2	305	3.0	279	6.7
30	14.58	124	3.6	114	7.1	112	6.9	116	7.4	123	7.4	141	4.0	174	3.7	...	...	...	...	...	...	...	...
..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

c.2

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20° 5' 39" S -LONGITUDE 3h 50m 12.6s E.)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JULY, 1943.

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 July, 1943.

Month and Day	Mean Declination (West)	Mean Horizontal Force (C.G.S.)	Mean Vertical Force (C.G.S.) (Units)	Daily Range ƒ Declination	Daily Range ƒ Horizontal Force	Daily Range ƒ Vertical Force
				Unit 1 γ		
JULY	° ′			′		
1	14°31.3	.22414	.29998	2.8	12	18
2	31.3	424	...	3.5	27	..
3	31.4	407	...	3.5	55	..
4	31.9	409	996	4.3	110	25
5	...	400	...	...	50	..
6	...	392	...	...	47	..
7	31.4	401	.30004	4.5	18	19
8	31.4	397	001	3.5	56	13
9	...	369	006	...	37	14
10	31.4	393	003	6.0	63	18
11	31.5	397	003	3.3	32	13
12	...	404	011	...	27	20
13	31.4	402	010	2.7	41	19
14	30.9	414	013	2.3	27	12
15	31.3	411	012	4.5	42	18
16	31.4	407	017	4.3	50	11
17	31.2	414	016	3.5	26	13
18	31.8	411	012	3.8	49	20
19	30,8	411	009	6.5	36	20
20	...	413	008	...	32	22
21	...	408	010	...	27	13
22	...	410	008	...	33	19
23	...	409	...	...	13	..
24	...	410	005	...	17	23
25	...	412	005	...	21	27
26	...	423	002	...	43	36
27	31.3	409	006	4.0	39	18
28	32.1	417	005	4.0	42	22
29	31.3	419	004	3.0	31	27
30	32.2	415	007	4.0	91	19
31	31.4	405	006	3.2	45	21
Mean	14°31.43	.22408	.30007	3.86	40.0	19.3

T = .37451: Mean Dip = 53°14.95: (X = .21692: Y = -.05619: Z = .30007).

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

Description of the Principal Magnetic Disturbances.

HORIZONTAL FORCE.

3d. Very slightly disturbed in parts.

4d. Commencement at 12h of a moderately disturbed period subsiding on 7d. Important fluctuations in force between 15h 30m and 16h 30m (52γ); between 20h and 21h (45γ) and between 4d 23h and 5d 1h. (57γ).

5d. Very moderately disturbed - minor fluctuations positive wave of (30γ) between 22h and 23h.

6d. (12h 30m to 14h 15m). Important and rapid decrease of (58γ). Trace slightly disturbed.

8d to 14d. Slightly disturbed in parts.

18d. Slightly disturbed during second half.

22d. Very slightly disturbed.

30d. Slightly disturbed. Irregular features mainly.

TABLE II.-RESULTS OF ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the Month of JANUARY, 1943.

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	Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
9.13.49	14.30.2	3.10.11	.22410	9.14.02	53.17.50	.30004
15.12.28	14.30.3	8.12.30	.22374	15.12.42	53.13.96	.30005
28.11.14	14.34.1	10.10.32	.22403	28.11.26	53.12.50	.30003
		15.12.57	.22419			
		22.11.10	.22430			
		26.11.16	.22419			

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

JULY, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	31.0	31.5	31.5	31.7	32.0		33.5	31.5		33.0	32.3	31.5	32.5	31.5	31.0	32.0	Midnight
1h	31.0	31.5	31.0	31.5	31.0		31.5	30.5		30.0	32.0	30.7	32.7	30.3	31.5	32.7	1h
2	31.0	31.3	31.0	31.0	32.5		32.7	31.0		31.5	32.0		32.0	30.7	31.5	32.7	2
3	31.0	31.5	30.0	31.0	32.0		30.0	32.0		32.0	31.5		31.0	30.7	31.5	33.0	3
4	31.0	31.3	30.7	30.7	32.3		31.0	29.0		31.0	31.5		31.0	31.0	31.3	32.5	4
5	31.3	31.3	30.5	30.5	32.3		31.0	30.7		31.5	31.5		30.0	30.5	31.0	32.0	5
6	31.0	30.7	30.3	30.5	28.0		30.0	30.5		31.5	31.5		29.5	30.7	31.0	31.0	6
7	30.0	30.0	30.0	30.3	29.0		30.7	30.5		30.0	31.0		30.0	30.3	30.5	30.0	7
8	30.0	30.0	30.0	30.0	29.0		31.0	31.0		27.5	31.5	28.5	31.0	30.3	30.7	28.7	8
9	30.7	31.0	30.0	31.0	31.0		31.5	31.7		30.5	32.0	31.0	32.0	31.5	32.0	30.3	9
10	32.0	32.0	31.5	32.3	30.7	29.5	31.5	31.0	31.5	31.7	32.5	32.5	32.5	32.0	33.0	31.0	10
11	32.5	32.3	31.7	32.7	31.5	30.7	32.0	31.5	28.0	31.0	32.7	32.0	32.7	31.0	32.0	31.5	11
Noon	32.3	32.0	31.5	32.5	31.5	31.5	32.5	31.5	29.0	31.0	31.5	30.0	32.7	30.5	30.0	31.0	Noon
13h	31.0	31.7	31.5	33.0	31.0	30.7	31.5	31.5	30.7	30.7	30.0		31.0	30.5	30.0	30.7	13h
14	31.0	30.5	31.0	32.5	31.3	28.7	30.5	30.5	30.5	31.0	30.0		30.5	30.0	29.5	30.0	14
15	30.0	29.0	31.0	31.0	30.0	26.0	29.5	30.0	31.0	30.7	29.7	29.0	30.0	29.7	29.7	29.7	15
16	29.7	29.3	30.7	30.7	30.0	29.0	29.0	30.7	30.0	30.5	30.3	29.0	30.0	29.7	30.0	30.0	16
17	31.5	31.5	31.7	31.7	31.7	30.7	31.0	31.0	31.0	31.5	30.7	31.0	31.0	30.7	30.7	31.0	17
18	32.0	32.3	33.0	33.0	32.5	31.0	32.0	32.5	33.0	33.5	32.8	31.5	31.7	31.5	31.5	31.5	18
19	32.5	32.5	33.3	33.3		33.0	32.7	33.0	32.7	33.0	32.6	32.0	31.5	31.5	31.5	32.0	19
20	32.3	32.3	33.5	33.0		33.0	32.5	33.0	33.5	33.0	32.0	32.5	32.5	31.7	31.5	32.5	20
21	32.3	32.2	32.7	34.3		32.7	32.3	33.5	33.5	32.5	32.5	32.0	32.5	32.0	32.0	32.7	21
22	32.0	31.7	32.3	33.0		32.7	32.0	33.5	34.0	33.0	33.0	32.0	32.5	31.7	32.3	32.5	22
23	32.0	31.5	32.3	33.5		32.7	32.0	33.0	33.5	32.0	31.7	32.5	31.7	31.5	34.0	32.3	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	32.0	31.5	32.0	32.0	●	●	●	●	●	●	32.5	32.0	32.0	32.0	32.5	32.0	Midnight
1h	33.0	30.7	31.5	30.7	●	●	●	●	●	●	31.5	32.0	31.7	32.0	32.5	31.5	1h
2	32.0	31.0	31.0	30.3	●	●	●	●	●	●	31.7	32.0	32.0	32.0	32.0	31.6	2
3	32.5	31.5	30.0	31.0	●	●	●	●	●	●	32.3	32.0	31.5	32.3	31.5	31.4	3
4	32.0	32.0	29.5	●	●	●	●	●	●	●	31.7	31.5	31.7	32.3	31.0	31.2	4
5	31.0	31.3	30.5	●	●	●	●	●	●	●	32.0	31.5	31.5	31.5	30.0	31.5	5
6	30.0	31.0	30.3	●	●	●	●	●	●	●	30.3	31.0	31.0	31.0	31.3	30.7	6
7	29.5	30.0	27.0	●	●	●	●	●	●	●	30.0	30.3	29.5	30.0	29.5	29.9	7
8	30.0	29.7	28.0	30.0	●	●	●	●	●	32.5	30.0	30.7	30.0	30.0	29.5	29.9	8
9	30.7	30.7	29.7	30.7	●	●	●	●	●	33.5	31.0	32.7	32.0	32.0	31.5	31.2	9
10	32.0	32.0	30.0	32.5	●	●	●	●	●	35.3	32.3	34.0	31.5	32.0	32.0	31.9	10
11	31.5	32.5	29.7	●	●	●	●	●	●	34.0	31.5	34.3	31.3	33.0	32.0	32.0	11
Noon	30.5	33.3	30.0	●	●	●	●	●	●	30.3	30.0	33.7	31.5	33.5	31.0	31.6	Noon
13h	30.0	33.0	30.0	●	●	●	●	●	●	29.3	30.3	33.0	30.5	32.0	30.0	31.1	13h
14	29.5	31.0	30.0	●	●	●	●	●	●	29.0	29.5	31.5	29.7	31.5	30.0	30.5	14
15	29.5	30.7	30.0	●	●	●	●	●	●	28.5	29.0	30.7	29.0	31.3	31.0	30.1	15
16	30.0	31.0	31.0	●	●	●	●	●	●	30.0	29.5	31.0	30.0	31.0	31.5	30.3	16
17	31.0	32.0	31.5	31.5	●	●	●	●	●	30.7	31.5	31.5	31.5	32.5	31.0	31.3	17
18	32.0	33.0	33.0	32.7	●	●	●	●	●	31.0	32.5	32.5	32.3	33.0	32.0	32.3	18
19	32.5	33.5	33.5	33.5	●	●	●	●	●	32.0	32.7	32.7	32.5	33.5	32.0	32.6	19
20	32.5	33.5	33.5	34.0	●	●	●	●	●	32.3	33.0	32.5	32.5	33.5	32.5	32.6	20
21	32.0	33.0	33.0	●	●	●	●	●	●	32.0	32.0	32.5	32.0	34.0	32.7	32.6	21
22	32.0	32.5	33.0	●	●	●	●	●	●	32.3	32.0	32.0	32.0	33.0	32.5	32.4	22
23	31.5	32.5	32.5	●	●	●	●	●	●	32.5	32.0	32.0	32.0	33.5	32.3	32.3	

● Registering light failed.

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, 1943.

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	410	413	420	392	385	396	393	396	395	388	391	390	394	399	412	401	Midnight
1h	410	417	419	392	406	390	399	400	390	403	392	396	413	409	412	399	1h
2	411	419	418	396	388	390	394	410	390	400	392	398	397	409	412	400	2
3	410	420	420	399	390	410	401	400	391	395	398	407	403	406	412	404	3
4	412	422	430	401	396	404	405	400	395	399	400	416	403	406	413	400	4
5	414	424	431	409	396	403	399	419	401	400	400	410	410	407	415	403	5
6	415	427	437	410	426	403	401	413	401	400	401	411	417	410	418	407	6
7	419	431	439	413	415	413	409	411	402	400	408	415	410	415	420	412	7
8	422	438	430	420	427	415	411	409	402	420	412	417	405	417	424	423	8
9	422	440	426	425	430	414	409	416	400	426	407	405	410	420	420	433	9
10	419	439	408	423	401	393	402	420	396	422	391	405	404	415	424	432	10
11	417	431	404	429	416	402	406	407	390	406	385	405	403	423	430	435	11
Noon	418	424	400	434	410	409	404	362	365	401	360	411	410	426	429	432	Noon
13h	415	427	396	439	400	411	403	403	361	396	390	400	414	422	421	426	13h
14	411	424	402	451	395	371	399	407	374	376	407	405	403	417	416	417	14
15	410	419	399	455	395	373	397	365	371	363	405	410	398	414	412	410	15
16	414	420	393	420	397	376	394	364	362	368	400	407	401	411	407	404	16
17	415	425	385	405	399	373	399	375	391	382	383	404	404	411	397	399	17
18	417	423	390	409	387	366	402	362	394	386	399	405	410	411	403	392	18
19	414	420	389	404	399	370	397	392	364	383	397	403	397	411	392	390	19
20	412	419	364	385	380	377	395	390	360	380	395	392	360	412	388	389	20
21	412	419	385	345	381	386	394	386	362	377	394	400	376	413	391	386	21
22	411	416	390	380	390	385	400	386	398	384	403	395	389	416	394	385	22
23	412	415	390	380	394	382	399	385	388	389	393	395	395	418	402	390	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	397	401	392	400	403	397	401	403	408	413	399	401	409	416	392	400	Midnight
1h	405	410	406	402	408	399	413	403	408	418	412	402	412	415	399	405	1h
2	407	410	400	415	410	409	411	404	409	419	413	406	412	416	399	405	2
3	405	421	412	410	411	410	411	409	410	421	407	406	410	419	403	407	3
4	410	413	420	410	414	413	410	410	410	423	403	410	410	420	410	409	4
5	410	417	412	411	422	416	410	413	410	425	399	412	410	430	419	412	5
6	416	417	412	409	417	415	411	411	412	427	412	413	415	439	410	414	6
7	422	421	408	418	420	418	413	416	415	430	418	420	421	438	412	417	7
8	420	430	417	426	421	421	413	419	418	431	420	423	427	451	417	421	8
9	420	430	428	431	422	430	413	415	415	430	421	422	429	445	416	421	9
10	417	428	425	432	413	430	410	415	415	433	417	423	430	429	420	417	10
11	416	430	407	426	405	419	400	410	412	438	414	432	440	434	403	415	11
Noon	412	430	414	423	410	426	404	402	399	436	423	442	440	439	410	414	Noon
13h	420	430	420	417	412	427	410	411	397	439	430	443	437	450	431	417	13h
14	423	431	424	420	405	406	412	415	406	432	424	435	432	424	425	413	14
15	422	429	421	418	402	396	410	410	411	429	410	430	423	423	400	406	15
16	420	408	421	417	396	405	408	412	415	422	403	420	417	420	403	405	16
17	421	394	416	415	400	399	411	412	416	418	398	408	413	399	402	402	17
18	417	382	410	409	406	403	413	410	416	419	399	410	411	387	400	402	18
19	415	385	408	403	405	401	410	410	417	418	394	412	410	360	395	400	19
20	412	386	410	402	401	402	406	410	416	418	391	411	410	368	390	396	20
21	410	389	393	406	402	397	405	410	415	413	396	410	412	380	386	395	21
22	410	389	389	400	400	401	408	409	416	403	401	410	416	380	392	398	22
23	403	386	391	400	395	400	404	407	415	396	401	410	417	399	392	398	23

TABLE V₈ – 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, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour
	.29000 + (C.G.S.Units).																
Midnight	999	998	...	1000	1011	●	1010	1004	1006	1006	1006	1004	1014	1012	1010	1013	Midnight
1h	998	997	...	999	996	●	1003	1004	1006	1002	1006	1002	1013	1008	1010	1014	1h
2	998	997	...	997	1002	●	1005	1001	1005	1003	1006	1004	1013	1009	1010	1013	2
3	998	997	...	997	998	●	1002	1002	1004	1003	1005	1004	1012	1010	1010	1013	3
4	999	997	...	997	999	●	1000	1002	1003	1002	1004	1004	1012	1012	1011	1013	4
5	1000	997	...	997	1000	●	1001	997	1002	1002	1005	1014	1012	1013	1012	1013	5
6	1001	997	...	998	996	●	1001	998	1002	1002	1004	1015	1010	1013	1012	1013	6
7	1000	996	...	997	995	●	1002	997	1000	998	1003	1011	1010	1012	1012	1013	7
8	1002	997	...	999	998	998	1004	998	1003	1000	1003	1011	1013	1015	1013	1012	8
9	1004	1001	999	1007	1003	1004	1008	1000	1008	1003	1005	1019	1013	1019	1016	1017	9
10	1003	●	1004	1007	1006	1004	1012	997	1012	1002	1003	1022	1012	1018	1017	1023	10
11	1001	●	1004	1003	1006	1004	1010	996	1007	997	1006	1020	1007	1013	1016	1023	11
Noon	993	●	1002	996	998	1003	1008	996	1010	994	1002	1014	1004	1011	1013	1017	Noon
13h	989	●	997	992	991	997	1003	998	1009	997	996	1003	1000	1010	1007	1013	13h
14	987	●	996	987	989	993	998	995	1006	1002	993	1003	998	1007	1000	1012	14
15	986	●	995	982	987	994	993	994	1005	1003	993	1003	1999	1007	1004	1012	15
16	990	●	996	978	987	999	994	1002	1004	1003	997	1006	1003	1008	1008	1013	16
17	998	●	1001	993	994	1004	1002	1003	1004	1004	1002	1012	1010	1015	1016	1018	17
18	1002	●	1004	998	●	1007	1004	1004	1007	1007	1006	1007	1012	1017	1016	1021	18
19	1003	●	1006	1001	●	1008	1004	1004	1007	1007	1005	1017	1012	1017	1016	1023	19
20	1003	●	1007	1003	●	1012	1006	1004	1008	1007	1004	1017	1017	1016	1017	1023	20
21	1003	●	1006	1013	●	1008	1006	1005	1008	1007	1006	1013	1017	1014	1018	1023	21
22	1002	●	1006	1006	●	1010	1006	1007	1014	1007	1005	1014	1016	1013	1017	1022	22
23	1000	●	1004	1006	●	1008	1006	1007	1007	1007	1004	1014	1013	1011	1018	1020	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.Units).																
Midnight	1017	1017	1014	1014	1012	1014	...	1007	1007	1005	1008	1008	1005	1004	1008	1009	Midnight
1h	1014	1013	1009	1012	1012	1013	...	1007	1008	1005	1003	1008	1004	1004	1007	1007	1h
2	1013	1013	1008	1008	1009	1012	...	1007	1008	1005	1004	1008	1004	1005	1007	1006	2
3	1013	1013	1005	1008	1007	1011	...	1007	1008	1005	1004	1007	1004	1004	1006	1006	3
4	1012	1010	1004	1008	1007	1010	...	1007	1010	1006	1006	1007	1005	1003	1006	1006	4
5	1012	1010	1006	1008	1006	1009	...	1007	1009	1006	1007	1007	1006	1002	1005	1006	5
6	1011	1012	1006	1009	1007	1008	...	1008	1009	1006	1006	1007	1006	1002	1006	1007	6
7	1009	1010	1004	1008	1006	1006	...	1007	1007	1005	1003	1006	1004	1000	1004	1006	7
8	1014	1011	1008	1009	1009	1007	...	1010	1010	1006	1004	1007	1008	1003	1007	1007	8
9	1022	1015	1013	1014	1016	1013	...	1015	1015	1010	1011	1013	1013	1008	1015	1012	9
10	1020	1017	1014	1015	1016	1013	1016	1016	1016	1012	1012	1012	1012	1013	1014	1013	10
11	1017	1017	1013	1015	1015	1007	1009	1011	1014	997	1004	1005	1001	1012	1013	1009	11
Noon	1016	1015	1008	1006	1015	998	997	1003	1003	978	996	997	989	1008	1005	1004	Noon
13h	1014	1011	1003	1003	1004	995	977	997	997	974	996	992	987	1003	1002	1000	13h
14	1012	1003	997	995	1003	999	978	996	989	984	997	991	986	997	994	998	14
15	1009	997	1002	993	1005	1000	990	993	989	992	999	995	992	999	999	998	15
16	1012	1004	1004	996	1006	1003	1001	994	994	997	1005	1003	1003	1002	1007	1001	16
17	1017	1008	1010	1003	1012	1007	1007	1000	1002	1004	1013	1007	1011	1004	1010	1007	17
18	1020	1013	1015	1008	1013	1013	1008	1006	1006	1007	1014	1010	1013	1011	1013	1011	18
19	1021	1016	1015	1010	1013	1013	1008	1005	1006	1007	1014	1009	1012	1014	1014	1011	19
20	1021	1016	1015	1012	1013	1011	1009	1006	1006	1007	1013	1008	1011	1016	1015	1011	20
21	1020	1017	1017	1012	1013	1009	1010	1006	1006	1006	1013	1008	1010	1016	1015	1012	21
22	1020	1015	1017	1013	1014	1009	1008	1007	1006	1006	1011	1007	1007	1013	1013	1011	22
23	1017	1015	1016	1013	1013	1010	1008	1007	1006	1007	1009	1006	1006	1013	1013	1010	23

● Registering light failed.

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TABLE VII.-RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION VACOAS(424.5 metres above mean sea level) during the month of JULY, 1943.

Month and day 1943	Observations at 10 a.m.									Temperature of the Air							Rainfall		Duration of Bright Sunshine	Percentage of Possible Sunshine
	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 recorded by the Gaselle Pluviograph	Duration		
JULY	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins	hrs.	%
1	972.1	18.2	1.2	16.2	88	18.4		Calm	9	16.1	17.3	16.6	16.3	22.4	15.2	7.2	0.8	20	0.5	5
2	970.4	18.8	1.7	15.9	83	18.1	110	2.7	7	15.4	18.3	19.5	16.2	21.0	14.9	6.1	0.0	0	8.6	79
3	972.6	19.7	2.8	14.9	74	16.9	100	4.9	3	16.2	19.1	18.9	16.1	21.6	15.4	6.2	0.0	0	9.8	90
4	974.8	19.7	2.7	15.1	75	17.2	110	4.0	5	16.8	19.3	21.9	17.4	22.0	15.9	6.1	0.0	0	9.4	86
5	974.4	19.3	2.8	14.5	74	16.5	110	4.9	10	15.0	19.0	19.8	17.2	21.4	13.1	8.3	2.5	35	5.0	46
6	976.4	18.0	2.1	14.5	80	16.5	110	5.8	7	15.4	17.6	18.7	16.9	20.1	14.8	5.3	0.0	0	7.2	66
7	976.5	19.8	4.8	10.9	56	13.0	105	5.8	3	16.3	19.2	20.2	16.9	21.5	16.1	5.4	0.0	0	9.5	87
8	974.8	19.4	3.3	13.6	69	15.6	130	4.5	4	16.0	18.8	19.0	16.4	21.0	15.0	6.0	0.5	10	6.1	56
9	972.8	19.0	3.4	13.0	68	15.0	110	5.4	3	14.8	18.6	19.9	14.6	21.2	14.5	6.7	0.0	0	9.7	89
10	973.0	18.4	2.3	14.4	77	16.4		Calm	6	12.9	17.9	19.4	16.7	22.3	10.5	11.8	0.0	0	4.3	39
11	974.2	18.7	3.8	11.7	64	13.7	125	3.6	5	13.4	18.2	18.9	14.9	20.9	13.2	7.7	0.0	0	10.2	94
12	975.0	18.0	1.1	16.2	89	18.4	120	3.1	9	14.9	17.7	17.7	15.1	19.9	13.2	6.7	6.6	200	4.7	43
13	973.9	17.0	2.1	13.3	79	15.3	125	5.8	3	13.4	16.6	19.1	14.5	20.4	12.8	7.6	0.0	0	9.7	88
14	972.1	17.7	2.6	13.1	74	15.1	160	0.9	6	12.3	17.2	20.5	12.1	21.1	11.3	9.8	0.1	0	7.9	72
15	972.6	16.2	3.1	10.3	68	12.5	170	4.9	8	13.5	15.7	16.7	14.3	18.2	11.5	6.7	1.8	35	9.3	85
16	976.6	17.1	4.6	8.1	55	10.8	135	5.4	8	13.0	16.7	16.6	13.0	18.4	12.8	5.6	0.5	20	7.1	64
17	976.1	16.9	3.0	10.3	65	12.5	110	7.6	10	13.1	16.4	17.2	14.1	18.2	12.5	5.7	5.1	75	9.0	82
18	975.9	17.2	4.0	9.6	61	12.0	110	5.8	?	13.3	16.9	19.7	14.2	19.6	13.2	6.4	6.8	85	8.2	75
19	972.7	17.7	1.9	14.0	79	16.0	100	4.5	6	13.4	17.3	18.9	15.2	20.5	12.5	8.0	1.2	20	7.9	72
20	972.8	17.9	0.8	16.5	88	18.8	90	4.5	9	15.4	17.2	19.4	17.2	21.9	15.2	6.7	3.1	75	5.4	49
21	973.7	17.9	0.5	17.1	95	19.5	90	4.9	10	16.9	17.6	18.1	18.0	21.0	16.9	4.1	5.0	85	2.3	21
22	974.5	20.0	2.2	16.4	80	18.7	105	7.2	4	17.1	19.5	20.7	17.3	22.0	16.7	5.3	5.1	110	7.7	70
23	975.3	19.7	2.0	16.4	81	18.7	110	4.5	10	17.0	19.2	18.4	16.8	20.1	15.9	4.2	2.2	40	6.2	56
24	974.2	17.6	0.6	16.6	83	18.9	120	4.5	10	16.3	17.1	19.7	16.8	20.8	16.1	4.7	4.1	70	6.8	61
25	974.2	18.0	1.1	16.2	89	18.4	110	4.9	8	16.6	17.6	19.3	16.8	20.2	16.5	3.7	17.8	255	5.7	51
26	973.2	19.8	2.9	14.9	73	16.9	110	4.9	3	16.5	19.3	19.9	16.4	21.7	16.2	5.5	8.4	130	7.9	71
27	971.6	19.6	2.7	15.0	75	17.1	105	0.9	8	14.2	19.2	21.7	17.1	22.7	13.2	9.5	0.8	15	6.0	54
28	971.6	20.0	2.7	15.5	75	17.6	110	2.7	5	16.1	19.4	20.0	16.3	22.2	15.8	6.4	0.0	0	9.3	84
29	972.7	19.5	3.4	13.5	68	15.5	105	6.7	2	15.6	19.0	20.2	15.5	21.3	15.5	5.8	0.9	5	9.8	88
30	974.0	18.2	1.5	15.7	85	17.8	110	5.4	4	16.0	17.8	18.9	17.3	21.4	15.3	6.1	4.0	60	9.4	85
31	974.7	19.2	1.4	16.9	86	19.2	110	3.1	7	16.3	18.6	19.4	16.8	22.0	16.1	5.9	1.5	25	7.9	70
Mean	973.8	18.5	2.5	14.2	760	16.2	...	3.3	6.3	15.1	18.0	19.2	15.9	21.0	14.4	6.6	78.8	1370	7.37	67.0
Average	972.0	18.9	2.0	15.5	80 7	17.6	...	4.8	5.8	...	...	...	...	20.8	14.9	5.9	120.9	...	7.09	64.5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+ 42.7mbs.	Amount of Rain	-17.0mms.
Temperature of the Air	+ 3.1°C.	Duration of Bright Sunshine	+ 8.7hrs.
Vapour Pressure	+ 2.2mbs.	Mean of Maximum Temperatures	+ 2.8°C.
Relative Humidity	- 4.7 %.	Mean of Minimum Temperatures	+ 1.4°C.
Velocity of Wind	+ 1.0 m.p.s.	Absolute Maximum Temperatures	+2.3°C.
Amount of Cloud	0.0	Absolute Minimum Temperatures	-0.3°C.

Greatest Rainfall Intensity 2.3mms in 15 mins.

TABLE VII:- DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of JULY, 1943.

Month and day 1943.	Atmospheric Pressure		Temperature of the Air.					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew point		Relative Humidity (Sat. = 100)		Vapour Pressure	Minimum on the Grass.	Rainfall		Amount of Evaporation	Mean amount of Cloud (Scale 0-10)
	Mean	Excess above Average	Daily Maximum	Daily Minimum	Daily Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Dines Pluviograph	Duration		
JULY	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs.	°C	mms.	Min.	mms.	
1	1013.1	- 0.6	24.4	15.1	9.3	18.2	- 1.8	0.8	16.9	+ 0.9	92	+ 15	19.2	11.9	20.5	255	2.3	5.7
2	1013.3	- 0.5	24.0	13.3	10.7	18.9	- 1.1	2.2	15.2	- 0.8	79	+ 2	17.3	11.1	0.0	...	2.2	2.6
3	1015.1	+ 1.2	24.1	16.1	8.0	20.2	+ 0.2	2.5	16.0	0.0	77	0	18.2	12.5	1.3	30	4.0	2.0
4	1016.0	+ 2.1	24.5	18.0	6.5	20.6	+ 0.6	2.4	16.7	+ 0.7	79	+ 2	19.0	14.3	0.0	...	4.0	3.3
5	1016.2	+ 2.3	24.3	15.7	8.6	20.2	+ 0.2	3.1	14.9	- 1.1	71	- 6	16.9	10.8	0.7	35	3.1	6.4
6	1018.4	+ 4.4	23.8	16.9	6.9	20.6	+ 0.6	3.5	14.7	- 1.3	69	- 8	16.7	13.6	0.0	...	4.1	7.9
7	1018.3	+ 4.3	24.6	18.9	5.7	21.3	+ 1.4	4.3	14.0	- 1.9	63	- 14	16.0	16.3	0.0	...	5.1	5.5
8	1015.7	+ 1.7	23.6	17.7	5.9	20.2	+ 0.3	2.8	15.5	- 0.4	74	- 3	17.6	14.1	0.0	...	3.8	4.9
9	1013.7	- 0.4	24.7	17.5	7.2	20.0	+ 0.0	3.2	14.6	- 1.3	71	- 6	16.6	13.0	0.0	...	4.0	2.0
10	1014.4	+ 0.3	22.8	13.0	9.8	17.5	- 2.4	1.9	14.2	- 1.7	81	+ 4	16.2	9.1	0.0	...	2.8	3.9
11	1016.0	+ 1.9	23.4	13.0	10.4	18.2	- 1.7	2.9	13.1	- 2.8	72	- 5	15.1	9.0	0.0	...	2.7	2.6
12	1016.4	+ 2.3	23.3	12.0	11.3	18.0	- 1.8	1.6	15.3	- 0.5	84	+ 7	17.4	8.6	0.4	25	2.8	3.4
13	1015.2	+ 1.1	24.8	15.0	9.8	18.2	- 1.6	2.6	13.6	- 2.2	75	- 2	15.6	10.9	0.0	...	2.9	3.5
14	1013.1	- 1.0	24.0	10.2	13.8	16.6	- 3.2	2.5	12.1	- 3.7	75	- 2	14.1	6.2	0.0	...	3.4	3.2
15	1014.5	+ 0.4	22.1	13.4	8.7	18.3	- 1.5	3.5	12.0	- 3.8	67	- 10	14.0	8.8	0.3	15	4.1	4.8
16	1018.7	+ 4.6	22.0	14.3	7.7	17.8	- 2.0	3.7	11.0	- 4.8	64	- 13	13.1	9.5	...	...	4.5	6.5
17	1018.4	+ 4.3	21.5	12.0	9.5	17.4	- 2.4	2.8	12.4	- 3.4	72	- 5	14.4	7.7	1.2	50	4.1	4.8
18	1016.1	+ 2.0	22.3	15.0	7.3	18.2	- 1.6	2.5	13.9	- 1.9	76	- 1	15.9	11.6	6.1	220	3.7	7.4
19	1013.6	- 0.5	22.9	13.4	9.5	18.2	- 1.6	2.6	13.6	- 2.0	75	- 2	15.6	9.8	0.2	5	4.5	4.4
20	1013.3	- 0.8	24.5	16.9	7.6	20.1	+ 0.3	1.5	17.7	+ 2.1	86	+ 9	20.3	12.9	11.6	245	2.3	7.2
21	1015.4	+ 1.3	21.6	18.9	2.7	20.5	+ 0.7	1.2	18.6	+ 3.0	89	+ 12	21.4	15.9	8.0	140	2.4	8.1
22	1016.8	+ 2.7	24.5	19.3	5.2	21.4	+ 1.7	1.9	18.3	+ 2.8	82	+ 5	21.0	16.5	1.8	35	2.9	4.5
23	1016.9	+ 2.8	24.1	18.1	6.0	20.3	+ 0.6	1.9	17.2	+ 1.7	82	+ 5	19.6	14.9	2.0	90	3.5	5.5
24	1016.0	+ 1.9	23.9	18.0	5.9	20.2	+ 0.5	2.1	16.7	+ 1.2	80	+ 3	19.0	15.2	0.9	35	3.1	4.2
25	1015.8	+ 1.7	24.0	19.0	5.0	20.4	+ 0.7	1.4	18.1	+ 2.6	87	+ 10	20.8	17.0	3.5	195	3.1	7.8
26	1014.0	- 0.1	24.6	16.2	8.4	20.1	+ 0.4	2.2	16.5	+ 1.0	80	+ 3	18.8	12.5	0.9	30	3.3	4.7
27	1012.5	- 1.6	24.5	13.9	10.6	18.8	- 0.9	1.8	15.8	+ 0.3	82	+ 5	17.9	10.2	0.0	...	2.7	5.0
28	1013.2	- 0.9	25.0	17.8	7.2	20.4	+ 0.7	2.2	16.6	+ 1.1	79	+ 2	18.9	13.9	0.0	...	2.7	3.0
29	1014.8	+ 0.7	24.1	16.2	7.9	19.8	+ 0.1	2.1	16.3	+ 0.8	80	+ 4	18.5	11.8	2.4	35	4.4	2.4
30	1015.6	+ 1.5	24.1	16.8	7.3	20.3	+ 0.6	1.8	17.4	+ 1.9	84	+ 8	19.9	12.5	0.0	...	4.9	4.7
31	1016.0	+ 1.9	24.3	17.3	7.0	20.2	+ 0.5	2.0	16.9	+ 1.4	81	+ 5	19.2	13.5	0.0	...	3.5	3.7
Mean	1015.4	+ 1.3	23.8	15.8	8.0	19.4	- 0.4	2.4	15.4	+ 0.4	77.7	+0.8	17.5	12.1	61.8 Sum	1440 Sum	3.4	4.7
Aver-	1014.1	...	23.7	16.5	7.2	19.8	...	2.4	15.8	...	76.9	...	17.8	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, 1943.

Anticyclonic conditions continued throughout the month. Mean pressure was 1.3 mbs., above normal and temperature 0.4 °C below. Rainfall was about normal but 33% of the total was recorded on the 1st. The other elements were about normal.

TABLE VII (Ctd).-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JULY, 1943.

Month and day 1943.	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.
JULY	hrs.	%	m.p.s.	m.p.s.	°C	°C	°C	°C									
1	2.1	19	1.8	- 2.0	24.8	24.1	22.8	21.9	b_o	b	bc	c	Or_or_o	ORR	Or_o	0	
2	10.6	97	2.5	- 1.3	24.8	24.1	22.8	21.7	bc	b			bc			b	
3	9.5	87	3.7	- 0.1	24.8	24.2	22.4	21.6	b_o		b		bc		b	b_o	
4	10.0	92	3.4	- 0.4	24.8	24.2	22.7	21.6				bc				b	
5	4.5	41	3.7	- 0.1	24.8	24.2	22.6	21.6		bcr_o	bc		c		bc	c	
6	7.1	65	4.1	+ 0.3	24.8	24.2	22.6	21.6	Cr_o		c	bc		c		o	
7	7.1	65	4.1	+ 0.3	24.8	24.2	22.6	21.6		0	c		bc			b	
8	3.1	28	3.3	- 0.5	24.8	24.4	22.6	21.6	b	bc	c		0	c	bc	b	
9	10.6	97	3.2	- 0.6	24.8	24.2	22.5	21.4	bc		b			bc		b	
10	3.2	29	1.6	- 2.2	24.8	24.1	22.5	21.4		b	bc		c		bc	b	
11	10.0	92	2.7	- 1.1	24.8	24.1	22.5	21.2	b		bc		c	bc		b	
12	6.5	59	3.4	- 0.4	24.7	24.1	22.3	20.9		b	bc	c	Cr	c	bc	b	
13	10.1	92	2.7	- 1.1	24.7	24.0	22.2	21.0		b		bc			b		
14	9.5	86	2.2	- 1.6	24.7	24.0	22.2	20.8	b_o	b			bc		b	b_o	
15	8.8	80	4.4	+ 0.6	24.6	24.1	22.0	20.9	bc	Or_o		bc		c		bc	
16	6.1	55	3.5	- 0.3	24.6	23.9	22.0	20.3	bc	c	bc		c	bc	c	Cr_o	
17	7.8	71	3.8	0.0	24.6	23.7	21.9	20.4		bc		Cr_or_o		c	bc	b	
18	7.2	65	3.9	+ 0.1	24.6	23.9	21.8	20.1	bcr	Cr_or_o	0		c		Or_or_o	0	
19	8.4	76	3.0	- 0.8	24.6	23.7	21.7	20.7		b		bc		c	bc	c	
20	5.7	52	2.7	- 1.1	24.6	23.6	21.7	20.5			Or_or_o			c		bc	
21	1.3	12	3.2	- 0.6	24.6	23.4	21.7	21.0		0		ORR		c		bc	
22	10.0	91	4.1	+ 0.3	24.5	23.5	21.8	21.2		bc			c		Cr_or_o	c	
23	8.6	77	4.0	+ 0.2	24.5	23.4	22.0	21.6		0	c	Or_o		c		Cr_or_o	
24	7.0	63	3.8	0.0	24.5	23.3	22.2	21.6		bc	cd_o	Cr_o		cq		bc	
25	7.0	63	4.0	+ 0.2	24.5	23.5	22.1	21.7	Cr	Or_or_o	c	Cr_o	Cq		Cr_o	c	Cr_o
26	6.1	55	2.6	- 0.1	24.4	23.2	22.2	21.8		c	Cr_o		c		bc	b	
27	8.4	76	1.4	- 2.3	24.4	23.4	22.3	21.7		b		bc		c	bc	b	
28	10.5	95	2.7	- 1.0	24.4	23.6	22.3	21.6			bc			b		b_o	
29	10.6	95	3.2	- 0.5	24.4	23.6	22.3	21.7		b	bc	Cr_o		bc	Cr_o	bc	
30	9.7	87	3.6	- 0.1	24.4	23.2	22.3	21.7		bc			c		bc	Cr_or_o	
31	9.9	88	2.9	- 0.8	24.4	23.2	22.3	22.0		b	bcr_o		c			bc	
Mean	7.68	69.6	3.28	-0.50	24.64	23.82	22.25	21.30									
Aver.	7.57	68.6	3.30	...	25.23	24.42	22.62	21.93									
Col.	19	20	21	22	23	24	25	26	27								

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JULY, 1943.

Element	Highest	Date	Lowest	Date
Atmospheric Pressure	1028.2mbs. at 09 & 10hrs,	on 16th	1010.7mbs. at 15.00hrs.	on 27th
Temperature of the Air	25.0°C at 12.50hrs.	on 28th	10.2°C at	on 14th
Daily range of Temperature of the Air ...	13.8°C	on 14th	2.7°C	on 21st
Temperature of the Dew Point ...	19.9°C at 10.00hrs.	on 21st	9.2°C at 14.00hrs.	on 15th
Daily range of temperature of the Dew Point	—			
Minimum on Grass			6.2°C	on 14th
Relative Humidity	99.0% at 20.00hrs.	on 1st	46.4% at 14.00hrs.	on 7th
Vapour Pressure	23.2mbs. at 10.00hrs.	on 21st	11.6mbs. at 14.00hrs.	on 15th
Evaporation in 24 hours	5.1 mms	on 7th	2.2 mms	on 2nd
Wind Velocity	7.7m.p.s. at 10.00hrs.	on 15th	0.6 m.p.s.	often
Rainfall in 24 hours	20.5 mms ending 21.00hrs	on 1st		
Duration of Sunshine	10.6 hrs.	often	1.3 hrs.	on 21st

Mean Day Temperature of Air 21.13°C Average Mean Night Temperature of Air 17.65°C Average

NUMBER OF DAYS OF:-

Mean Cloud Amount: 0	1 - 3	4 - 6	7 - 9	10	Rainfall: 0.1-1.9 mms.	1.0-4.9 mms.	5.0-9.9 mms.	10.0-24.9 mms.	25.0 & over mms.	Lightning	Thunderstorm
...	10	16	5	...	6	6	2	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.)

JULY, 1943.

The initial 10 or 9 is omitted. The unit in the table is 0.1 millibars.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
Midnight	150	129	151	168	159	180	189	179	148	138	151	174	162	142	130	177	Midnight
1h	147	129	151	167	159	179	188	170	143	138	151	171	160	140	127	177	1h
2	142	121	149	162	154	179	182	169	139	137	152	167	159	139	124	177	2
3	136	120	145	157	153	177	181	162	138	136	152	160	158	134	126	175	3
4	132	119	143	157	153	174	183	162	136	133	154	157	153	132	126	176	4
5	130	119	143	158	153	178	183	163	132	131	157	157	154	131	126	180	5
6	131	120	142	159	154	182	184	164	132	137	159	159	155	131	127	182	6
7	137	121	148	165	158	189	188	169	139	141	161	164	158	139	132	190	7
8	139	130	149	170	162	195	195	173	143	149	163	165	160	139	139	199	8
9	143	138	150	175	169	200	201	179	149	155	169	174	168	145	150	202	9
10	143	140	158	173	170	200	199	170	150	155	170	177	167	147	152	202	10
11	145	140	158	170	169	197	194	164	147	152	168	172	162	143	152	193	11
Noon	131	133	152	166	167	188	187	160	137	148	161	168	156	134	149	186	Noon
13h	130	128	142	157	156	180	182	150	129	140	157	160	148	124	139	178	13h
14	120	128	140	151	150	174	176	141	127	138	152	159	140	111	139	177	14
15	111	129	139	147	149	170	170	139	127	137	150	159	138	111	138	176	15
16	111	129	139	148	152	172	170	140	128	139	151	160	138	110	142	179	16
17	120	131	142	149	157	175	171	142	129	142	153	160	139	113	149	180	17
18	120	132	150	150	160	177	171	142	131	147	159	161	141	120	152	183	18
19	124	140	155	152	163	182	173	146	133	148	162	162	143	129	157	190	19
20	129	145	160	157	170	186	180	151	136	150	168	168	149	129	164	199	20
21	130	150	165	159	179	190	181	152	140	152	170	169	150	136	170	200	21
22	131	150	167	160	180	192	181	152	139	152	172	165	150	136	172	200	22
23	130	150	169	160	181	191	180	150	139	151	174	165	149	134	176	199	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	197	180	157	138	140	170	175	167	162	160	137	131	143	159	157	158	Midnight
1h	199	178	155	132	139	170	175	164	161	156	132	130	143	153	157	156	1h
2	195	174	148	132	138	166	174	162	160	152	128	127	141	153	156	153	2
3	189	169	139	139	133	161	171	160	158	145	123	126	139	153	155	151	3
4	188	167	140	129	132	160	170	158	156	142	121	123	140	153	155	148	4
5	184	167	139	129	136	162	172	159	155	141	121	120	140	155	156	149	5
6	189	164	139	130	140	163	177	160	157	145	125	123	142	159	157	151	6
7	191	164	140	131	147	167	180	161	160	152	128	130	148	162	160	155	7
8	192	169	142	139	153	172	183	167	162	157	131	134	150	168	165	160	8
9	197	171	147	141	161	177	182	168	167	159	140	140	157	170	173	165	9
10	200	170	141	141	163	177	181	167	168	157	139	141	157	169	176	165	10
11	190	166	139	140	161	173	176	162	167	150	132	138	153	162	170	162	11
Noon	183	159	132	132	160	167	166	157	160	139	124	130	147	154	163	155	Noon
13h	172	153	129	125	158	159	158	150	151	130	117	124	140	151	154	148	13h
14	169	148	120	125	151	158	156	147	149	124	110	123	136	147	150	143	14
15	168	145	119	124	150	157	152	145	148	121	107	121	136	144	147	141	15
16	169	145	119	124	152	159	156	147	150	120	108	122	139	146	148	143	16
17	170	148	120	126	157	162	158	151	151	123	111	128	143	148	152	145	17
18	172	151	121	129	160	169	159	155	152	129	119	131	147	150	157	148	18
19	179	156	131	131	166	173	160	162	155	130	126	138	155	154	159	153	19
20	184	159	138	138	170	177	166	164	159	134	131	141	160	157	162	158	20
21	184	158	140	140	172	181	169	167	160	137	136	148	161	160	165	160	21
22	182	159	140	141	172	180	169	167	161	137	135	149	162	160	168	161	22
23	181	159	140	140	170	178	169	165	161	137	132	149	162	159	166	160	23

TABLE IX:- AMOUNT OF CLOUD at every Hour of the Day (0 - CLEAR SKY, 10 = OVERCAST SKY).

Hour \ Day	JULY, 1943.																																
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	0	3	0	0	1	8	10	1	4	2	1	0	2	0	6	3	6	9	2	4	9	5	10	2	8	6	1	5	1	6	3	3.7
1h	0	2	0	0	1	8	10	0	4	3	1	0	2	0	6	5	6	6	3	7	9	5	10	2	8	7	1	6	1	6	3	3.9
2	0	0	0	3	1	8	10	0	4	2	1	0	3	1	6	5	6	8	2	9	9	3	10	0	8	7	1	6	1	6	2	3.9
3	1	0	0	3	1	7	10	0	4	1	2	0	3	2	9	7	6	6	2	9	9	4	10	1	10	8	1	7	1	7	2	4.3
4	1	0	3	3	1	7	10	0	4	0	2	1	3	3	9	7	6	7	2	9	9	2	10	3	10	8	1	5	1	7	2	4.4
5	1	1	3	4	3	7	9	5	2	2	4	1	4	3	2	5	2	8	2	9	9	0	1	6	9	9	1	4	1	7	1	4.0
6	1	3	1	4	3	7	9	7	2	2	4	2	3	4	1	3	2	10	2	9	10	1	1	4	8	9	1	7	1	7	1	4.2
7	4	3	1	4	6	6	9	9	2	4	4	4	3	6	6	8	8	9	4	10	9	1	3	8	8	9	1	4	1	6	2	5.2
8	4	4	1	4	8	5	8	9	2	6	4	3	4	5	6	7	8	9	6	10	10	2	4	9	8	10	2	2	2	5	8	5.6
9	4	4	3	4	9	5	8	9	2	6	4	4	4	4	2	7	4	5	6	9	10	3	4	8	9	9	5	4	1	4	7	5.4
10	6	6	4	5	9	6	7	9	2	6	4	8	6	4	3	8	8	5	6	9	10	3	10	9	10	6	7	4	3	4	8	6.3
11	7	6	2	6	9	6	6	10	2	6	4	5	6	4	5	7	6	5	8	8	10	2	4	9	10	4	9	3	2	3	7	5.8
Noon	8	7	3	5	9	7	4	9	2	7	6	8	6	6	8	5	6	8	3	7	10	2	3	8	8	4	9	3	2	4	7	5.9
13h	8	6	4	5	6	7	2	7	3	8	4	8	6	6	4	7	7	8	3	6	10	3	5	4	8	3	7	2	2	5	6	5.5
14	9	4	6	5	6	7	2	5	2	8	6	8	5	5	3	8	4	8	7	7	8	5	6	6	9	2	7	2	3	4	5	5.5
15	9	4	4	5	4	8	2	4	1	7	4	8	5	5	5	8	5	8	9	8	8	6	7	4	6	4	9	4	3	6	3	5.6
16	10	4	4	5	9	9	3	6	2	8	3	6	5	5	5	8	4	7	8	4	8	7	8	3	7	2	9	2	3	5	4	5.6
17	10	1	3	4	9	9	4	3	2	8	3	4	5	6	5	8	4	6	8	6	8	8	4	3	7	1	9	1	3	1	3	5.0
18	10	1	3	4	9	10	4	3	2	6	2	3	3	4	5	9	3	9	8	6	8	8	1	2	8	1	8	1	3	1	3	4.8
19	10	1	3	2	9	10	1	3	1	1	0	2	3	0	5	6	3	8	0	6	4	8	5	1	7	1	8	1	4	1	3	3.8
20	9	1	0	1	9	10	2	3	0	0	0	2	2	0	5	6	3	8	3	6	4	7	5	1	6	1	8	1	4	2	2	3.6
21	9	1	0	1	9	10	2	5	0	0	0	1	1	0	5	6	3	9	3	4	5	7	5	2	6	1	4	0	4	6	3	3.6
22	7	1	0	1	9	10	1	5	0	1	0	1	1	0	4	6	3	9	4	4	5	7	5	2	6	1	5	0	4	6	2	3.5
23	7	1	0	1	9	10	3	5	1	1	0	1	1	0	3	6	3	9	3	4	5	7	5	2	6	1	5	0	4	6	2	3.6

TABLE X:- DURATION OF BRIGHT SUNSHINE at every Hour of the Day as recorded by the CAMPBELL-STOKES SUNSHINE RECORDER.

Hour ENDING \ Day	JULY, 1943.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
7	0	15	0	11	0	7	0	0	20	0	20	0	10	4	5	0	0	0	6	0	0	22	10	0	0	0	25	25	25	0	25	3.8
8	0	60	20	60	0	60	0	0	60	0	60	60	60	37	60	15	0	0	50	45	0	60	50	3	17	0	60	60	60	32	35	17.1
9	17	60	60	60	0	47	15	0	60	35	60	60	60	60	60	26	42	47	50	32	0	60	60	37	25	0	60	60	60	60	59	22.2
10	0	60	60	60	20	60	30	0	60	27	60	48	60	60	60	60	44	60	60	5	17	60	28	15	36	7	50	60	60	60	53	22.3
11	0	60	60	60	30	57	31	0	60	43	52	43	60	60	60	53	52	60	60	50	13	60	50	25	38	42	40	60	60	60	50	24.1
Noon	0	60	60	60	10	25	60	16	60	19	55	30	60	60	40	60	47	39	60	60	0	60	60	60	40	60	40	60	60	60	60	24.0
13	45	60	60	60	56	55	58	29	60	10	47	58	60	60	45	30	58	11	60	60	0	60	60	53	60	60	50	60	60	60	60	26.1
14	58	60	60	60	60	55	30	0	60	0	57	48	60	52	60	37	45	60	60	45	0	60	60	60	60	60	50	55	60	60	60	25.8
15	6	60	60	60	48	26	60	50	60	0	59	16	60	60	53	29	60	48	38	11	28	58	47	60	60	59	40	60	60	60	60	24.3
16	0	60	60	55	47	20	60	36	60	20	60	21	60	60	30	47	53	57	22	24	18	58	42	58	57	30	40	60	60	60	60	23.1
17	0	60	53	55	0	13	60	43	60	28	60	6	57	58	55	15	60	50	30	12	0	55	52	52	15	49	40	60	60	60	60	21.3
18	0	20	17	1	0	0	20	11	15	7	10	0	1	1	1	0	5	0	7	0	0	0	0	0	12	0	10	8	13	6	12	3.0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

The Amount of Registered Sunshine was 237.1 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, 1943.

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	18.1	1.2	16.0	1.5	17.7	1.3	18.6	1.3	16.5	1.1	18.9	1.1	20.7	5.1	19.7	1.7	Mid-night
1h	17.7	1.0	15.1	0.8	16.1	1.0	18.7	1.2	16.3	0.7	19.0	1.3	20.5	4.1	19.2	1.4	1h
2	17.2	1.0	14.6	0.4	17.1	1.1	18.5	1.0	16.0	1.3	18.7	1.2	20.7	4.8	18.7	1.3	2
3	16.2	0.2	14.5	0.4	18.1	1.1	18.5	1.1	15.9	1.6	18.8	1.8	20.2	4.7	18.1	1.4	3
4	16.3	0.3	14.2	0.1	18.3	1.3	18.7	0.9	17.3	1.4	18.2	2.2	20.2	4.9	18.0	1.1	4
5	15.9	0.6	13.8	0.1	18.5	1.5	18.9	1.4	17.5	0.8	17.5	2.5	20.3	3.8	18.1	1.3	5
6	15.2	0.2	13.7	0.1	18.1	1.1	18.5	1.2	17.9	2.6	18.1	2.8	20.0	4.7	18.2	1.4	6
7	15.1	0.3	14.1	0.1	19.3	1.5	18.2	1.0	17.1	2.1	18.5	2.6	20.0	3.9	18.2	1.8	7
8	15.7	0.3	18.5	0.1	20.0	2.1	20.0	1.2	19.0	2.5	19.0	2.5	20.3	3.1	19.1	2.2	8
9	18.3	0.8	20.8	1.8	21.1	2.2	22.2	2.9	20.5	3.3	21.6	3.1	21.8	4.5	20.3	2.7	9
10	19.9	0.7	21.6	2.2	22.5	3.3	22.9	3.3	23.5	6.0	22.5	4.2	22.5	4.8	21.3	3.6	10
11	19.8	0.8	23.0	4.4	23.2	3.7	23.7	4.0	24.0	6.7	22.6	4.3	23.0	5.3	22.4	4.8	11
Noon	20.0	0.2	23.9	5.2	23.3	3.9	23.8	3.8	23.0	4.9	21.2	2.2	24.0	6.7	22.0	3.7	Noon
13h	22.0	2.4	24.0	5.4	23.9	4.9	24.3	4.6	24.1	6.1	22.7	4.4	24.5	6.0	23.0	5.2	13h
14	24.2	3.9	24.0	5.0	24.1	4.8	24.4	5.1	24.3	5.2	23.0	4.5	24.3	7.0	23.2	5.4	14
15	21.1	1.1	22.6	3.7	23.4	4.0	23.8	4.3	23.1	4.9	22.8	5.6	23.8	6.3	23.4	5.4	15
16	20.0	1.2	23.3	4.8	23.3	4.3	24.1	4.6	23.0	5.2	22.7	4.4	23.7	6.0	23.1	4.9	16
17	18.0	1.0	22.6	4.8	23.0	4.3	23.4	4.4	22.1	3.9	21.2	3.4	22.5	4.7	22.2	4.2	17
18	17.5	0.2	20.0	2.4	20.0	2.6	21.0	2.5	21.0	2.7	21.0	3.5	20.8	3.2	20.0	2.3	18
19	18.2	0.2	19.0	2.4	19.7	3.0	20.2	2.6	21.0	2.8	21.0	4.0	19.7	2.0	19.7	2.5	19
20	18.3	0.1	18.4	1.7	18.9	2.5	19.0	1.0	20.7	2.5	21.0	4.2	19.5	2.4	20.0	3.0	20
21	18.2	0.1	18.0	1.6	18.4	1.8	18.9	1.6	20.8	2.6	21.0	5.0	18.9	2.0	19.0	1.8	21
22	18.2	0.3	17.9	1.4	18.5	1.5	17.7	1.2	20.7	2.5	21.0	5.2	20.0	2.0	18.9	1.5	22
23	17.1	0.9	17.8	1.2	18.6	1.2	17.0	1.4	19.3	1.3	20.9	5.2	19.8	1.9	19.3	1.8	23

Day / Hour	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	18.9	1.5	14.1	0.7	13.0	1.1	12.1	0.8	18.3	1.7	13.2	1.2	13.4	1.1	18.1	5.3	Mid-night
1h	19.0	1.7	13.3	0.3	13.9	1.0	12.4	0.7	17.9	1.7	12.4	0.6	14.7	0.8	18.0	5.0	1h
2	19.6	2.2	13.0	0.4	14.6	0.9	12.2	0.7	17.3	1.7	11.6	0.3	14.8	1.1	17.3	4.0	2
3	19.0	2.0	14.6	0.7	14.8	1.0	13.4	0.8	17.2	1.7	11.0	0.2	15.5	0.9	18.0	4.4	3
4	18.7	2.1	13.1	0.4	14.8	0.9	13.3	0.8	16.1	1.6	10.8	0.3	16.2	0.3	16.5	4.0	4
5	17.9	2.2	12.9	0.6	14.9	0.9	13.1	0.8	16.4	1.5	10.7	0.2	16.2	0.8	14.9	2.4	5
6	17.8	1.9	12.8	0.7	15.0	1.3	14.2	0.8	16.0	1.4	11.3	0.9	16.5	1.2	15.4	2.4	6
7	17.7	2.1	13.7	0.7	14.0	1.2	15.0	0.8	15.7	1.7	12.0	1.0	16.2	1.4	14.5	1.9	7
8	19.3	2.3	15.9	0.9	17.1	2.1	18.5	1.0	17.8	1.6	15.3	1.8	18.3	3.0	15.0	2.0	8
9	22.0	4.6	18.8	0.8	20.2	3.0	21.8	2.4	19.5	3.0	18.9	1.8	19.5	4.1	18.2	3.5	9
10	23.3	5.8	21.5	3.1	22.5	5.8	21.9	2.4	20.5	3.7	20.4	3.8	20.6	4.9	20.5	5.5	10
11	23.7	5.8	22.2	3.6	23.3	5.9	20.9	2.3	21.7	4.1	21.5	5.0	21.3	5.6	20.5	5.0	11
Noon	24.6	6.6	22.0	3.4	22.9	5.2	21.4	2.2	22.5	5.0	22.5	5.6	21.0	4.8	21.7	6.4	Noon
13h	24.7	7.0	22.0	3.6	23.0	5.0	21.4	2.2	21.8	4.8	22.9	5.4	21.2	5.7	21.3	6.0	13h
14	24.4	6.4	22.2	3.2	23.2	5.3	21.6	2.2	21.7	4.7	22.6	4.7	21.5	6.6	19.5	4.4	14
15	23.5	5.6	22.4	2.9	23.0	5.7	21.4	2.2	21.5	4.1	22.8	4.9	20.6	5.7	19.8	4.3	15
16	23.4	5.3	22.0	3.6	22.5	5.7	21.4	2.2	20.8	3.5	22.8	5.4	19.7	4.4	19.3	4.3	16
17	22.2	4.1	21.8	3.5	21.6	4.7	20.5	2.0	20.0	2.8	21.6	4.1	19.3	4.8	18.7	3.7	17
18	20.1	2.4	21.1	3.1	20.1	3.5	19.0	1.5	19.4	2.5	20.2	4.0	18.5	4.2	17.7	3.2	18
19	18.5	1.8	19.0	3.0	17.6	2.1	19.0	1.5	16.8	2.2	17.0	2.2	18.4	4.0	15.8	2.7	19
20	17.2	1.2	17.5	2.1	17.2	2.0	19.0	1.7	16.0	1.8	15.2	1.8	18.3	3.6	17.0	2.7	20
21	16.6	1.3	16.0	1.8	16.9	1.8	18.7	1.7	14.7	1.5	14.1	1.5	18.7	4.2	16.9	2.3	21
22	15.5	0.7	15.0	1.5	16.5	2.0	18.5	1.7	14.3	1.3	13.9	1.7	18.6	3.9	16.8	2.5	22
23	15.0	0.9	13.6	1.2	13.2	1.1	18.2	1.7	14.0	1.0	13.6	1.5	18.8	5.5	16.5	2.9	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).

JULY, 1943.

Day / Hour	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	16.1	2.4	16.5	1.2	17.7	3.1	18.1	0.5	19.6	1.0	20.5	1.0	20.2	0.9	18.7	1.5	Mid-night
1h	16.2	2.0	16.1	0.9	16.0	1.8	18.3	0.7	19.7	0.9	20.4	1.0	20.0	1.2	18.8	1.5	1h
2	16.3	2.4	16.2	1.3	14.9	2.1	17.9	0.4	19.7	0.8	20.1	0.9	19.9	1.5	18.8	1.3	2
3	15.4	1.4	16.1	1.4	14.5	1.7	18.0	0.2	19.7	0.9	19.9	1.7	20.0	1.4	18.3	1.2	3
4	15.3	1.6	16.1	1.2	14.3	0.7	18.1	0.2	19.1	0.9	20.0	1.5	20.2	1.7	18.1	1.0	4
5	13.5	1.8	15.8	0.8	14.1	0.8	18.0	0.2	19.2	1.0	19.7	1.1	19.0	1.3	18.0	0.9	5
6	12.4	1.6	15.9	1.4	13.5	1.0	18.3	0.5	19.4	0.9	19.4	1.1	18.2	1.2	18.9	1.1	6
7	14.5	2.0	15.1	0.8	13.9	0.9	18.9	0.6	19.7	1.2	19.3	1.1	18.3	1.3	19.0	1.0	7
8	15.8	1.7	16.2	0.6	16.3	1.2	19.5	0.5	20.5	1.6	21.0	1.7	19.4	2.0	19.5	0.9	8
9	18.0	1.5	19.0	3.3	20.4	3.6	20.2	0.3	20.1	0.4	22.9	2.9	22.0	3.0	20.3	1.5	9
10	18.2	2.3	20.5	4.5	21.6	4.3	20.4	0.9	20.5	0.4	23.3	3.4	21.5	2.3	21.2	1.5	10
11	20.4	4.4	21.2	4.2	22.2	5.5	21.9	2.1	20.8	1.1	23.4	3.1	21.5	2.3	21.9	3.6	11
Noon	19.0	2.0	21.5	5.0	22.4	5.9	22.6	3.4	19.3	0.3	23.4	4.0	23.1	3.6	22.5	3.6	Noon
13h	21.0	4.7	21.5	5.2	22.3	6.0	23.3	3.8	20.0	0.8	24.2	4.1	23.1	3.6	22.2	3.6	13h
14	20.0	4.0	21.7	5.1	22.0	4.6	22.9	3.5	21.6	2.0	23.9	2.5	23.2	3.5	22.4	3.6	14
15	21.2	5.5	21.3	4.9	21.8	4.3	22.4	3.1	22.8	2.4	23.6	3.2	21.2	2.2	22.4	3.6	15
16	20.0	4.2	20.9	4.7	21.2	3.9	21.9	2.7	22.3	2.7	23.3	2.8	21.5	2.5	22.3	3.8	16
17	19.8	4.8	20.0	3.3	21.0	4.0	20.9	2.3	21.8	2.0	22.3	2.2	20.8	1.8	21.7	3.7	17
18	18.2	3.7	18.8	2.5	19.4	2.6	20.4	2.0	21.0	1.6	21.0	1.3	19.9	1.8	20.5	2.6	18
19	18.0	3.7	17.1	1.1	18.7	2.3	19.7	1.7	20.7	1.3	20.5	1.1	19.7	1.7	19.3	1.7	19
20	17.9	2.7	17.1	0.9	17.6	1.7	20.0	1.5	20.8	1.1	20.7	1.3	19.3	1.3	19.6	1.7	20
21	17.2	3.2	17.2	1.2	17.2	1.2	19.9	1.3	20.7	1.1	20.3	1.5	18.8	0.8	20.0	2.0	21
22	16.2	2.4	17.2	1.2	17.0	0.9	19.9	1.2	21.0	1.1	20.3	0.9	18.7	0.8	20.3	2.2	22
23	17.1	2.5	17.3	1.8	17.4	0.5	19.4	1.0	20.5	0.7	21.0	1.4	18.9	1.2	20.3	1.5	23

Day / Hour	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	20.2	1.4	19.2	1.0	16.4	1.0	18.0	1.0	18.2	0.9	18.7	0.7	19.1	0.2	17.6	1.5	Mid-night
1h	20.2	1.3	19.1	1.0	16.0	1.1	18.8	1.2	18.6	0.9	18.8	0.7	19.2	0.4	17.4	1.3	1h
2	20.1	1.6	19.0	0.5	15.1	0.8	18.7	1.1	18.0	0.9	18.1	0.6	18.9	1.0	17.2	1.3	2
3	19.1	0.6	19.0	0.9	14.8	0.9	19.1	1.5	17.3	0.5	18.9	1.2	18.5	1.0	17.2	1.3	3
4	19.3	0.5	18.9	0.9	14.3	0.5	19.0	1.3	16.7	0.3	17.5	1.2	18.0	0.8	17.0	1.2	4
5	19.5	0.7	19.3	1.1	14.2	0.6	19.1	1.1	16.6	0.7	17.4	0.7	17.3	0.4	16.7	1.1	5
6	19.3	0.6	19.1	1.0	14.6	0.8	18.9	1.1	16.6	0.6	17.8	0.9	18.2	0.5	16.8	1.3	6
7	19.4	1.2	19.1	1.0	14.0	1.0	18.2	1.3	16.7	0.7	18.2	1.0	18.2	0.5	16.8	1.2	7
8	19.9	0.9	19.1	1.0	16.5	0.8	20.6	3.8	19.3	1.3	19.8	1.3	19.6	0.7	18.4	1.5	8
9	21.2	2.0	20.1	2.0	20.0	1.6	22.5	3.3	21.4	2.8	20.8	1.9	22.0	1.9	20.5	2.4	9
10	21.5	1.9	21.9	2.2	21.0	2.3	22.7	3.7	22.2	3.3	21.5	2.5	22.8	2.8	21.6	3.3	10
11	21.2	1.2	22.6	3.6	22.3	4.0	22.7	3.7	23.0	4.0	22.6	3.6	23.0	3.9	22.2	3.9	11
Noon	21.6	1.3	22.6	3.7	22.8	3.9	23.8	4.4	23.5	4.6	23.0	3.7	23.8	3.9	22.4	4.0	Noon
13h	22.7	3.0	24.0	5.0	22.2	3.2	24.5	5.5	23.5	4.5	23.2	3.5	23.5	4.0	22.8	4.5	13h
14	23.0	3.2	23.2	4.8	22.7	3.0	23.1	4.0	23.8	4.6	23.8	4.0	23.5	4.5	22.9	4.4	14
15	22.8	3.2	23.0	5.2	23.3	3.5	23.0	3.9	23.3	4.8	23.3	3.8	23.3	4.8	22.5	4.2	15
16	22.2	2.5	22.2	4.2	22.5	3.3	23.0	4.1	22.8	3.9	22.9	3.8	22.9	4.3	22.2	4.0	16
17	20.4	1.1	21.9	3.9	22.1	2.8	21.9	3.2	21.7	3.5	21.9	2.7	22.0	3.8	21.3	3.4	17
18	19.8	1.3	19.9	2.2	21.3	2.6	20.3	2.1	20.2	2.8	20.7	1.9	20.3	2.1	20.0	2.5	18
19	19.4	1.0	18.5	1.5	20.4	1.9	19.2	1.4	19.0	1.9	20.1	1.2	18.8	1.4	19.0	2.0	19
20	19.0	0.9	18.3	1.3	20.3	1.7	18.2	0.9	18.8	0.9	19.8	0.8	18.4	1.1	18.7	1.8	20
21	19.0	0.8	18.2	1.2	18.8	1.0	18.0	0.8	18.1	1.0	20.0	0.9	18.6	1.1	18.3	1.6	21
22	19.4	0.4	18.2	1.2	18.0	1.1	18.1	0.8	18.0	0.3	19.9	0.8	18.1	1.0	18.1	1.5	22
23	19.2	0.3	16.8	1.4	17.8	0.9	18.6	1.1	18.3	0.3	19.1	0.3	17.9	1.1	17.8	1.5	23

TABLE XIII:- DIRECTION AND VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during JULY, 943.

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, 1943.

Day	1d.*		2d.		3d.		4d.		5d.		6d.		7d.		8d.		9d.		10d.*		11d.		12d.		13d.		14d.*		15d.*		16d	
Hour	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Mid-night	10	2.5	10	1.7	13	1.3	11	2.2	10	1.9	12	3.1	10	4.7	11	3.3	11	[illegible]	10	1.8	14	1.4	12	1.1	12	4.4	13	2.1	12	1.4	12	4.2
1h	10	2.0	10	1.3	11	1.8	11	3.0	10	1.8	13	1.5	12	3.9	12	4.4	12	3.0	10	1.5	14	2.2	12	1.6	11	3.1	13	1.8	13	1.7	13	3.0
2	10	1.5	10	1.9	12	2.4	11	3.1	10	1.6	12	1.8	11	4.4	11	2.5	10	3.9	10	1.9	13	2.8	14	1.2	11	3.0	13	2.0	16	1.1	14	3.1
3	10	1.9	11	1.9	12	2.4	10	3.1	10	2.0	12	2.0	12	3.6	12	3.0	10	1.9	10	1.3	13	2.6	15	1.8	11	2.8	14	2.1	16	1.9	12	3.1
4	10	1.8	11	1.4	12	2.3	10	3.3	11	2.0	12	2.3	11	3.3	13	3.4	15	1.6	10	2.2	11	2.0	14	1.3	11	2.1	13	2.0	16	1.1	13	2.1
5	10	1.5	12	0.6	10	2.3	10	3.3	11	2.7	12	3.1	10	3.5	11	2.1	13	2.0	11	2.5	11	1.4	14	1.9	11	1.8	13	1.4	15	1.3	13	1.3
6	10	1.3	12	1.3	12	2.2	11	3.1	12	3.5	12	2.4	12	2.8	13	1.4	13	2.3	11	2.7	11	2.4	16	1.3	15	1.2	13	1.9	14	2.9	13	0.7
7	10	2.0	12	1.7	10	3.7	11	3.2	12	2.6	10	2.1	11	2.7	13	1.9	13	2.5	11	2.4	11	2.4	11	2.4	13	1.1	13	2.1	15	1.5	13	1.3
8	10	1.1	12	2.1	11	4.2	11	4.4	12	2.9	11	2.8	11	3.6	14	2.3	13	2.4	11	1.6	11	1.6	11	2.1	14	1.3	13	1.4	17	4.4	14	1.9
9	10	1.2	12	2.9	12	4.6	11	4.4	11	3.9	11	3.9	10	4.4	14	2.1	11	3.7	11	1.0	11	2.7	12	3.5	12	3.2	13	3.0	15	5.1	12	4.6
10	11	1.8	11	3.4	11	6.6	11	5.0	11	4.5	10	6.1	12	4.6	10	3.0	09	5.0	11	1.1	10	3.8	12	3.3	10	4.4	10	2.6	13	7.7	13	5.3
11	08	2.8	09	3.8	09	6.4	09	4.7	10	5.3	12	4.9	13	7.2	12	4.4	09	4.3	08	2.0	11	3.9	13	5.5	12	5.2	10	3.4	13	6.9	13	5.5
Noon	08	1.1	12	3.4	11	6.2	09	6.7	12	7.0	09	5.0	12	6.2	13	4.3	09	5.0	06	1.7	09	4.3	11	3.4	10	4.6	11	1.8	14	6.4	11	6.9
13h	31	1.2	10	4.1	09	6.1	09	5.6	10	5.7	10	6.1	10	7.1	12	5.2	08	5.1	05	1.8	10	4.1	12	5.0	12	3.8	07	1.6	15	5.7	12	5.8
14	25	1.9	12	3.9	09	6.2	09	4.7	10	5.6	10	6.4	13	5.0	12	5.0	12	4.5	27	1.3	11	4.2	12	6.0	10	3.9	24	3.6	16	6.3	12	7.0
15	19	1.8	12	3.5	11	5.9	10	5.0	10	5.1	09	6.0	12	5.1	12	4.5	09	4.8	26	1.2	12	4.0	12	5.5	11	3.9	21	4.1	13	6.8	11	5.5
16	18	2.9	12	4.2	11	5.1	11	3.8	11	5.7	11	5.3	10	6.1	10	4.7	10	4.2	26	0.7	13	4.4	12	3.1	12	3.5	20	2.5	14	6.9	12	4.4
17	12	4.1	11	4.2	10	3.9	09	4.1	11	3.5	12	5.0	12	4.4	12	4.9	10	3.9	27	1.1	13	3.5	12	3.4	11	3.8	07	2.8	12	7.4	13	4.3
18	09	1.5	12	1.8	11	3.5	10	1.5	12	4.3	12	4.3	11	2.7	12	3.5	11	4.7	27	1.2	12	1.8	12	3.7	11	1.5	20	2.1	15	6.5	16	2.0
19	11	2.5	12	2.3	10	2.2	10	1.7	12	3.5	10	5.2	11	3.3	11	3.1	11	2.2	26	1.3	12	1.5	12	3.0	11	1.2	19	1.3	13	4.4	16	1.3
20	05	2.0	10	2.2	12	2.4	10	1.4	12	3.7	11	5.0	10	2.3	11	2.9	11	1.9	16	1.9	12	3.1	12	4.7	11	1.3	19	1.5	13	5.0	16	2.3
21	07	1.9	11	1.7	12	1.9	10	1.9	12	3.4	12	5.6	12	2.2	11	2.8	11	1.3	16	1.4	13	2.7	12	4.8	11	1.1	13	2.0	14	4.4	12	2.2
22	07	1.1	12	1.8	11	2.1	10	1.5	11	3.7	10	4.6	11	3.1	10	1.9	10	4.2	15	1.2	13	1.6	12	5.0	11	1.4	13	2.0	13	3.9	13	4.0
23	07	0.9	12	2.1	11	2.5	10	1.7	12	2.7	10	4.4	11	3.6	09	3.1	10	2.1	15	1.1	13	1.3	11	4.3	11	1.8	13	1.4	14	4.7	13	2.4

Day	17d.		18d.		19d.		20d.*		21d.		22d.		23d.		24d.		25d.		26d.		27d.*		28d.		29d.		30d.		31d.		Mean Velocity
Hour	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Mean Night	14	2.6	10	3.4	10	3.3	09	1.8	09	2.7	09	3.8	09	3.5	10	2.7	10	3.6	09	3.6	11	1.6	11	1.7	10	1.6	10	2.7	10	2.9	2.6
1h	10	3.1	10	3.7	10	2.0	07	2.7	10	3.1	10	3.3	10	4.3	10	2.3	10	3.4	09	3.0	11	1.2	11	1.5	10	2.3	09	2.5	11	2.8	2.5
2	11	2.7	10	1.8	10	2.1	11	1.2	10	3.0	10	2.9	10	3.0	10	2.1	09	3.1	09	4.0	11	1.8	11	2.0	10	2.4	10	2.0	10	2.4	2.4
3	15	1.5	10	3.8	10	2.1	10	1.1	09	2.1	10	3.5	11	3.1	10	3.2	10	3.0	09	3.1	11	1.6	10	2.3	10	1.7	09	3.2	10	2.4	2.4
4	13	2.0	11	1.3	10	2.1	03	2.4	09	1.8	11	3.2	11	4.0	10	2.4	09	3.8	11	2.2	11	2.1	11	1.8	10	1.2	08	1.7	10	1.8	2.2
5	13	1.6	11	2.6	10	2.4	04	0.9	09	2.8	11	3.1	11	2.3	10	2.3	11	3.8	10	2.1	11	2.0	10	1.5	10	1.6	09	2.1	10	1.6	2.1
6	13	1.6	12	2.9	10	2.1	06	1.0	08	3.2	11	2.9	11	3.1	10	2.7	09	4.1	10	3.1	12	1.1	11	2.3	10	2.1	09	1.8	10	2.0	2.2
7	10	2.2	12	2.4	10	2.1	30	2.0	11	3.1	11	3.4	11	2.4	10	2.0	10	3.2	07	2.5	10	1.7	11	1.4	10	2.2	10	2.4	10	1.1	2.1
8	10	1.9	09	1.4	10	1.3	09	2.1	11	2.0	10	3.8	11	1.9	08	3.4	10	3.0	11	3.3	11	1.4	12	1.7	10	1.8	10	4.9	10	1.3	2.4
9	10	4.0	10	3.6	08	4.1	06	2.4	05	4.3	10	5.4	11	3.5	09	3.6	10	4.6	10	2.9	11	0.9	10	3.5	08	4.4	11	4.1	09	3.6	3.5
10	12	5.0	10	5.2	08	5.4	08	3.2	05	3.5	08	4.1	11	5.2	09	4.9	09	4.9	10	3.1	11	1.0	11	3.8	10	5.8	10	5.5	08	4.6	4.3
11	10	7.2	10	5.9	09	5.2	07	4.7	05	3.1	10	5.6	10	5.7	09	6.2	10	5.0	10	3.8	10	1.8	08	3.4	09	5.1	10	5.9	09	4.4	4.8
Noon	08	4.8	11	6.5	09	4.8	09	3.6	07	3.8	09	6.0	12	5.7	09	6.7	10	6.0	08	3.8	11	2.2	10	4.0	11	4.5	11	6.1	11	4.4	4.7
13h	11	5.7	10	6.9	06	5.0	05	3.2	07	3.4	09	6.4	10	6.4	09	6.5	09	6.1	08	3.2	18	1.8	10	4.4	07	5.2	12	6.2	09	4.6	4.8
14	11	7.1	09	6.5	08	4.4	07	3.8	11	3.9	10	6.0	11	5.9	09	5.6	08	5.8	09	3.4	22	0.9	09	4.2	09	4.8	11	5.1	10	4.5	4.8
15	10	6.2	12	6.4	07	4.2	06	3.5	09	4.5	09	5.9	12	5.6	09	5.4	10	5.1	09	2.7	29	1.1	08	4.4	11	5.0	10	5.2	10	4.9	4.6
16	10	6.1	12	5.6	08	5.9	09	4.4	10	4.1	09	5.4	12	5.3	10	5.4	11	4.7	10	2.3	13	1.1	11	4.5	09	5.2	09	5.1	09	5.0	4.4
17	11	5.2	11	5.3	08	3.7	09	3.8	11	3.4	09	5.0	09	5.6	08	5.0	10	3.8	10	1.1	07	1.3	11	3.7	09	4.8	10	4.0	09	3.9	4.0
18	11	3.8	11	4.2	08	2.1	09	2.6	11	2.9	09	3.5	10	3.7	09	3.7	10	3.3	10	1.7	11	2.5	11	2.9	10	3.5	11	3.2	11	1.8	2.9
19	11	4.3	11	2.9	07	1.9	09	2.2	10	2.6	10	3.3	10	4.4	10	2.4	10	3.2	10	1.4	12	1.1	11	2.2	10	3.1	11	1.4	11	1.8	2.5
20	10	4.1	11	3.2	09	2.1	10	2.0	10	2.7	09	3.4	09	3.8	09	3.0	10	3.3	11	1.8	12	0.6	10	2.2	10	1.5	11	2.8	11	2.0	2.1
21	12	3.5	11	2.8	09	1.9	10	2.6	11	2.4	10	2.7	11	3.3	09	3.6	10	3.5	10	1.9	12	0.6	10	2.0	10	1.4	11	2.7	09	2.5	2.5
22	12	4.6	10	2.7	09	1.8	09	4.2	09	4.0	10	2.2	10	2.2	09	3.9	11	3.0	11	2.2	12	0.8	10	2.1	10	1.5	11	3.0	09	2.2	2.6
23	11	3.2	10	3.2	09	1.8	09	2.8	10	3.4	11	3.9	09	2.3	09	3.1	10	3.0	11	0.8	12	0.8	11	2.0	09	2.7	12	2.4	09	1.2	2.5

TABLE XIII. WIND FREQUENCY (NUMBER OF OBSERVATIONS), JULY, 1943.

Force (0 - 12)				Direction															
Hour	8 or above	4 to 7	0 to 3	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	-	-	-	-	3	14	10	1	3	-	-	-	-	-	-	-
9	-	-	31	-	-	1	1	4	8	15	1	1	-	-	-	-	-	-	-
15	-	9	22	-	-	-	1	8	6	12	-	-	-	2	-	-	1	1	-
21	-	1	30	-	-	-	-	4	7	18	1	1	-	-	-	-	-	-	-
Totals				-	-	1	2	19	35	55	3	5	-	2	-	-	1	1	-

TABLE XIVa. RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for JULY, 1943.

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
	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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.5	...	0.2	...	...	1.4	...	0.1	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	0.1	...	0.8	...	...	...	...	0.1	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	0.3	...	1.3	...	...	...	...	0.7	...	...	...	...	...	...
4	...	...	...	...	0.4	...	...	...	...	...	...	...	...	...	0.2	...	...	0.1	...	0.1	...	...	...	...	1.1	...	...	...	...	...	...
5	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	0.9	...	2.1	...	...	...	...	0.3	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	0.3	...	...	...	...	0.4	0.1	...	...	...	...	...
7	...	...	1.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	1.1	1.3	...	...	...	...	0.1	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	0.3	...	5.7	0.6	...	...	0.2	...	0.7	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	5.0	...	...	0.5	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	0.2	...	0.2	...	...	...	...	...	...
Noon	0.3	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.2	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.6	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	9.7	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	6.6	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	2.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...
18	0.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	0.7	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	0.1	...	...	...	...	...	0.3	...	...
21	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.2	...	...	...	...	...	...	...	...
22	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	0.4	...	...	...	...	...	...
23	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	0.1	...	0.1	...	...	...	...	1.9	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	0.5	...	...	...	0.8	...	0.1	...	...	...	...	0.2	...	...

TABLE XIVb.-RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for JULY, 1943.

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
	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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	2.6	...	...	...	...	1.5	0.4
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	...	...	0.2	1.2	...	0.2	...	0.9	...	...	...	...	...	...
3	...	...	...	...	1.0	...	...	...	...	...	...	...	...	...	0.8	...	...	...	...	1.0	...	...	...	...	0.8	...	...	...	...	...	0.1
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	0.2	...	...	...	...	0.1	...	1.6	2.0	...	...	...	...	0.2
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	0.4	...	1.4	...	...	...	...	2.9	2.9	...	...	...	...	0.8
6	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	0.7	...	...	...	...	...	0.2	2.2	3.0	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	0.3	...	0.1	...	...	...	...	...	...	0.2	...	...	0.1	0.4	...	...	...	0.2	0.3	...
8	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.3	...	0.3	...	0.9	...	0.4	0.7	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.9	...	...	1.5	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	0.7	...	...	...	...	...	0.4	0.2	0.3	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	0.3	1.2	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	1.1	...	...	...	1.4	1.4	...	...	...	1.5	...	0.1	...	...	...	...	...	...	...	...
15	0.8	...	...	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	0.3	...
16	...	...	...	...	...	...	...	...	...	...	...	1.9	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	0.1	...
17	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...	0.2	...	0.4	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	...	0.4	...	...	...	...	...	...	...	0.3	...
19	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	0.4	0.8	...	...	...	0.4	0.1	...	1.4	...	...	...	...	0.3	...
20	...	...	...	...	0.3	...	...	...	...	...	...	0.3	...	...	...	0.1	...	0.8	0.3	...	...	0.8	0.3	...	0.7	0.5	...	...	...	0.5	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	2.5	...	...	...	...	0.4	...	1.6	...	...	...	...	0.2	...
22	...	...	...	...	0.5	...	...	0.4	...	...	...	...	...	...	...	...	...	0.7	0.3	...	...	0.7	...	...	0.2	...	...	...	...	0.5	...
23	...	...	...	...	0.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.6	...	0.6	0.4	...	0.6	...	0.7	...	...
24	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	0.7	...	0.3	...	...	0.5	...	0.8	1.0	...	0.2	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS according to RIVER SYSTEMS indicated on the CHART for JULY, 1943.

RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall		Normal	Number of days
			Inches	Millimetres	Inches	
1	Mare Seche	20	2.70	68.6	2.32	
	St. Antoine	50	2.52	64.0	2.72	
	Bel Mont	50			2.86	
	Poudre d'Or	50			2.89	
	Mon Loisir S.E.	300	2.27	57.7	3.54	10
	Farbach	300	2.34	59.4	2.08	8
	Couroupa				3.07	
	Labourdonnais	290	2.70	68.5	3.10	5
	Mapou Water Office			No Record		
	Beau Sejour	300	2.97	75.4	4.16	6
	Mont Piton	650	3.07	78.0	4.16	6
	Mon Choix	700	2.79	70.9	3.54	7
	Antoinette	640	4.97	126.2	3.96	13
	Mon Songe	620	3.42	86.9	4.23	11
	Botanical Gardens	325	2.50	63.5	3.11	22
	The Observatory	179	2.43	61.8	2.28	16
	Solitude,	175	1.00	25.4	1.34	4
	St. Andre-cour	90			1.90	
	La Nicolière	...	3.23	82.0	4.89	15
	California	...	3.14	79.8	...	8
	Australia	...	3.52	89.4	...	
2 & 3	Union Reguard S.E.	600	2.95	74.9	4.83	10
	Constance La Gaite	100	2.91	73.9	3.73	11
	Rich Fund	600	3.57	90.7	4.79	11
	La Joffrette	...	3.55	90.2	...	7
	Belle Vue Allandy	...	3.46	87.9	4.07	11
4	Sans Souci	900	9.46	240.3	9.73	21
	Beau Champ G.R.S.E.	20	1.33	33.8	3.19	12
	Olivia	400	2.08	52.8	5.57	13
	Trois Ilots	...	1.50	38.1	...	12
	Belle Rive	400	4.87	123.7	...	16
	Sebastopol	700			...	
	Bonne Veine	400	5.23	132.8	7.60	20
5	New Grove	650	2.53	64.3	8.48	16
	Mon Tresor	...	2.67	67.8	...	14
	Mon Desert-Carie	75	1.71	43.4	2.98	9
	Ferney	20			5.00	
	Sauve Terre	...	1.06	26.9	...	11
6	Tivoli	1300	5.53	140.5	9.38	19
	La Flora	1050	4.91	124.7	8.67	21
	Riche Bois Britannia	650	2.45	62.2	6.92	16
	Britannia Estate	700	3.67	93.2	6.45	19
	Rose Belle	850	4.63	117.6	8.40	22
	Savannah Mill	200	1.42	36.1	3.86	11
	St. Aubin	300	0.90	22.9	4.53	7
	St. Avold	900	5.45	138.4	7.38	21
	Colmar	400	3.36	85.3	5.27	17
	Union S.E.	...	1.83	46.5	3.95	
	Fontenelle	320	1.84	46.7	4.89	
	Choisy	200	2.12	53.8	2.90	8
	Beau Bois	...	3.32	84.3	...	13
	Bel Air	...	1.57	39.9	3.70	4
	St. Felix	...	1.20	30.5	...	4
7, 8, 9 & 10	Bel Ombre	40	2.67	67.8	2.94	13
	Beau Champ B. du Cap	70	2.01	51.1	2.86	11
	Frederica	...	2.23	56.6	3.50	10
	Pierre Fonds	...	1.55	39.4	1.14	15
	Ste. Marie	...	2.22	56.4	...	11
11	Hussonia	...			...	
11	Curepipe Gardens	1840	3.81	96.9	8.17	13
	Mare aux Vacoas G.E.	1850	6.75	171.5	11.28	24
	Mare aux Vacoas Arnaud	1830	8.73	221.7	11.21	25
	La Marie Filter Beds	1700	4.55	115.6	6.72	20
	Sophie			No Record		
	Reunion	1420	3.54	89.9	5.22	14
	Aerological Station	1393	3.10	78.8	4.50	21
	Phoenix	...	2.98	75.7	...	6
	Quatre Bornes	...	1.31	33.3	...	10
12	Quatre Bornes Board	1090	1.20	30.5	2.03	3
	La Reduit Dep. of Agr.	1000	1.90	48.3	2.50	27
	Alma	1460	5.07	128.8	7.97	20
	Bagatelle	1250	2.84	72.1	3.96	10
	Highlands	1300	2.58	65.5	4.49	10
	Trianon	950	1.50	38.1	2.73	10
	Val Ory	1100			3.10	
	Bassin	...	1.74	44.2	2.14	8
	Hermitage	1450	5.09	129.3	7.82	10
	Ebène	...	2.01	51.1	...	16
	Bega	...	1.26	32.0	...	15
	Mon Reve	...	2.06	52.3	...	16
	Mont Pevril	...	2.00	50.8	...	16
	Minissy	1150	2.07	52.6	3.20	14
	Plaisance	...			...	
	La Ferme	350	0.53	13.5	1.25	4
13	Line Barracks	...	0.73	18.6	...	11
	Richelien T. Res. Station	...	0.05	12.6	...	8

TABLE XVI: PILOT BALLOON OBSERVATIONS FOR THE MONTH OF JULY, 1943.

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,500 metres		2,000 metres		2,500 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.
1	9.15	112	0.5	087	4.1	090	3.2	092	5.2	086	1.4	067	2.0	...	...	...	...	...	...	...	...	...	...
2	9.10	113	2.2	123	9.2	127	9.3	123	6.9	113	6.4	151	3.3	138	7.2	135	7.4	138	18.0	...	...	...	...
3	9.10	135	3.1	108	12.9	104	13.5	096	10.7	095	9.8	094	11.5	103	9.7	114	5.1	100	18.9	109	22.1	...	...
4	8.40	112	3.1	120	8.9	114	12.5	108	12.9	097	13.0	071	7.7	070	6.9	086	8.9	075	9.6	097	14.1	...	...
5	9.10	124	2.7	118	10.3	121	13.0	116	14.2	111	13.2	091	12.1	...	...	...	...	...	...	...	...	...	...
6	10.05	124	5.4	112	7.4	109	10.0	109	10.1	112	10.6	112	13.4	...	...	...	...	...	...	...	...	...	...
7	12.53	135	5.8	128	7.0	118	12.0	120	12.1	123	14.2	111	10.5	...	...	...	...	...	...	...	...	...	...
8	14.41	135	3.6	118	3.6	117	6.0	117	8.5	109	9.0	094	7.3	...	...	...	...	...	...	...	...	...	...
9	8.49	135	2.2	121	6.8	120	10.6	130	9.2	144	4.1	287	1.7	084	5.9	134	3.5	163	2.4	202	3.3	216	6.2
10	9.18	124	0.4	168	1.4	150	1.9	101	2.7	074	5.2	069	5.4	036	3.9	019	2.8	...	...	...	...	...	...
11	9.10	124	0.5	135	3.4	130	8.1	128	8.8	127	9.6	166	5.1	150	4.6	108	6.3	184	9.0	...	...	...	...
12	9.50	157	0.9	134	5.1	133	7.5	126	9.6	120	9.7	118	11.5	132	7.9	...	...	...	...	...	...	...	...
13	9.12	135	0.9	123	6.2	120	9.1	118	9.8	118	9.9	111	11.9	...	...	...	...	...	...	...	...	...	...
14	9.15	146	0.5	135	5.2	138	6.4	143	6.4	150	4.8	176	3.7	175	4.6	227	4.7	247	5.6	256	7.6	268	8.8
15	8.55	180	7.6	184	9.5	187	12.3	187	16.0	192	12.9	099	6.2	...	...	...	...	...	...	...	...	...	...
16	9.00	139	2.7	141	8.4	144	9.4	147	10.4	146	11.4	141	12.0	141	12.7	...	...	...	...	...	...	...	...
17	9.28	135	5.8	129	15.2	126	22.8	125	19.1	124	15.9	125	11.5	117	7.8	113	7.6	...	...	...	...	...	...
18	9.29	112	3.6	114	12.9	115	13.6	110	13.9	108	12.9	069	8.5	072	8.8	089	13.7	086	9.5	078	7.1	084	8.0
19	11.00	090	20.0	078	17.8	077	7.9	072	4.5	079	8.1	098	10.2	...	...	...	...	...	...	...	...	...	...
20	9.35	079	3.6	080	7.7	070	6.3	046	5.7	028	4.3	068	7.7	...	...	...	...	...	...	...	...	...	...
21	9.43	079	4.0	071	9.9	083	11.9	094	13.3	102	13.7	081	7.1	...	...	...	...	...	...	...	...	...	...
22	8.29	111	3.6	115	7.4	121	13.3	115	14.2	084	12.0	120	7.9	161	6.1	132	2.4	016	7.3	029	10.3	035	5.6
23	8.00	135	6.0	117	7.2	115	10.6	115	12.1	117	10.5	128	11.5	128	4.9	278	3.0	...	...	...	...	...	...
24	10.24	113	6.7	108	8.9	102	11.2	105	12.3	112	12.3	...	...	...	...	...	...	...	...	...	...	...	...
25	8.30	124	0.9	121	7.3	115	9.0	114	7.9	121	5.4	153	3.4	...	...	...	...	...	...	...	...	...	...
26	11.20	090	8.2	095	13.1	090	9.6	093	5.4	101	2.1	...	...	...	...	...	...	...	...	...	...	...	...
27	8.10	124	0.9	145	4.2	159	2.5	141	2.0	149	2.0	...	...	...	...	...	...	...	...	...	...	...	...
28	8.18	113	2.7	118	8.2	100	8.0	103	7.1	094	6.1	133	2.2	136	4.4	...	...	...	...	...	...	...	...
29	8.11	135	0.5	118	10.3	109	11.8	109	10.3	108	10.0	106	3.2	126	1.2	134	6.0	137	5.9	132	10.6	163	12.9
30	9.10	090	12.4	...	...	120	13.2	102	12.0	089	13.1	077	11.6	092	16.3	124	8.2	...	...	...	...	...	...
31	8.33	124	10.4	...	...	107	10.5	101	10.3	099	8.8	110	8.0	...	...	...	...	...	...	...	...	...	...

NEW SERIES (MONTHLY) VOL. XXIX. PART 8.

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20° 5' 39" S -LONGITUDE 3h 50m 12.6s E.)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

AUGUST, 1943.

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

DIRECTOR

Published by Authority of His Excellency the Governor

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1950.

TABLE I:- RESULTS OF MAGNETICAL OBSERVATIONS made during the Month of AUGUST, 1943.

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	Daily Range / Vertical Force
				Unit 1 γ		
Aug.	° ′			′	γ	γ
1	14°31.9	.22407	...	4.0	50	...
2	...	403	...	...	33	...
3	...	...	.30007	...	...	42
4	31.9	393	012	5.5	32	27
5	31.1	396	012	6.5	35	33
6	30.8	396	014	9.5	28	33
7	31.4	401	014	7.3	64	25
8	31.9	380	...	12.3	122	...
9	...	...	...	...	...	...
10	...	385	...	...	31	...
11	...	399	...	...	33	...
12	...	407	009	...	25	38
13	32.6	391	018	5.8	123	34
14	32.3	398	020	6.0	58	24
15	32.5	401	016	5.0	40	32
16	32.2	395	015	7.0	47	36
17	31.5	396	017	4.2	40	19
18	31.8	392	016	8.0	69	35
19	...	378	024	...	77	15
20	32.1	393	014	4.0	62	33
21	31.7	392	016	5.8	32	29
22	32.1	400	013	5.0	29	30
23	31.9	408	011	5.0	33	31
24	31.8	397	015	6.5	41	20
25	32.3	394	015	6.8	31	24
26	32.7	389	014	3.8	44	15
27	32.7	400	013	2.5	21	14
28	32.4	395	009	6.0	85	32
29	32.4	380	019	5.5	83	34
30	32.5	369	025	8.0	124	26
31	33.0	319	040	13.0	154	50
Mean	14 32.06	.22392	.30016	6.37	56.8	29.2

Magnetic Disturbances.

August 1943.

HORIZONTAL FORCE.

1d to 5d	Slightly disturbed; mainly irregular features of minor character.
6d	Isolated positive wave (30γ) between 22h 30m & 24h.
7d	Slightly disturbed; irregular features.
8d	Disturbed during second half. Minor waves on a widely fluctuating trace. Absolute range (133γ).
9d	Moderately disturbed during first hours and quiet afterwards.
13d	Disturbed. Small pulsations on a widely fluctuating trace. One very large positive wave (70γ) between 14d 1h and 14d 2h 30m.
14d	Slightly disturbed on the whole.
15d and 16d	Slightly disturbed in parts.
17d	Slightly disturbed.
18d	Moderately disturbed during second half. Unusually rapid small pulsations on the disturbed trace.
19d and 20d	Moderately disturbed; important wave from fluctuations mainly.
21d	Very slightly disturbed.
24d	Slightly disturbed in parts.
26d	Slightly disturbed in parts.
28d second half, 29d, 30d and 31d	- Disturbed period of long duration. Disturbance reaches its climax on 31d with large waves of (50γ) to (60γ) on a widely fluctuating trace. Absolute range (183γ). Disturbance dies down on 1d.

T = .37449: Mean Dip = 53° 16.62′: (X = .21675: Y = -.05619: Z = .30016).

/ 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, 1943.

Declination (West)		Horizontal Force		Dip (South)		Resulting
Day and hour	Observed Value	Day and hour	Observed Value	Day and hour	Observed Value	Vertical Force
d. h. m.	° ′	d. h. m.		d. h. m.	° ′	
3.14.34	14.29.2	4.11.32	.22391	3.14.46	53.17.81	.30035
10.15.15	14.28.9	7.11.14	.22417	10.15.22	53.16.12	.30002
17.14.22	14.27.7	12.11.26	.22406	17.14.32	53.16.18	.30013
31.14.44	14.33.3	16. 9.04	.22405	31.14.55	53.29.25	.30041
		21. 9.45	.22389			
		27.11.14	.22411			
		30.11.36	.22385			

TABLE III.- MAGNETIC DECLINATION (WEST) at every Hour of the Day as deduced from the PHOTOGRAPHIC RECORDS.

AUGUST, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	32.5	32.5		34.0	32.0	33.5	33.0	32.0	34.3	33.0			32.0	33.5	30.0	34.0	Midnight
1h	32.7	32.5		34.0	30.7	32.0	32.5	32.0	35.5	33.0			32.0	33.0	33.5	33.5	1h
2	33.0	32.0		33.0	30.0	31.7	32.5	32.0	34.0	32.5			32.5	30.5	32.0	32.5	2
3	33.5	32.3		31.5	30.7	31.7	31.5	31.7	33.0	32.0			32.3	32.0	30.0	32.7	3
4	32.3	32.0		32.0	31.5	32.0	31.5	31.5	34.5	30.0			31.0	30.5	32.0	32.5	4
5	31.0	32.0		32.0	30.0	32.0	31.0	31.3	29.5	32.0			31.5	29.0	32.5	32.5	5
6	30.7	31.5		32.0	29.7	32.0	31.3	31.0	29.0	31.5			31.0	30.0	31.5	31.0	6
7	30.5	30.0	31.5	31.5	30.0	31.0	31.0	30.5		31.0	31.5		30.0	30.5	30.0	27.5	7
8	30.7	31.0	32.0	32.0	30.3	31.0	31.0	30.0		30.7	31.5		29.7	30.0	31.0	29.0	8
9	33.0	33.0	32.5	33.0	32.0	32.7	32.5	31.0		33.0	33.0		31.0	31.5	32.0	31.0	9
10	33.5	33.5	33.5	33.5	33.0	33.5	33.7	33.7		34.5	35.0		30.7	32.7	33.5	32.5	10
11	32.0		34.5	33.0	32.7	31.0	34.0	34.5	33.5	34.7	35.5	35.0	35.0	34.0	35.0	32.7	11
Noon	31.0		34.5	33.0	32.0	27.0	33.5	32.0	33.0	33.3	34.0	35.5	35.5	33.5	33.5	31.7	Noon
13h	30.5		31.0	31.0	30.0	24.0	32.5	34.0	33.0	31.0	35.0	34.0	33.0	32.5	33.0	32.5	13h
14	29.5		30.5	28.5	26.0	24.3	31.5	27.5	31.5	29.5	31.5	31.0	32.0	31.5	31.5	32.0	14
15	30.0		30.0	29.0	27.0	26.0	29.0	26.0	30.7	29.0	30.0	29.7	31.5	31.0	31.3	31.0	15
16	30.5		30.5	29.0	26.0	26.0	26.7	27.5	30.7		30.7	29.0	31.5	33.0	31.7	31.0	16
17	31.5		32.0	31.0	31.0	30.5	27.0	30.0	32.5		31.5	30.5	34.0	33.0	32.5	32.5	17
18	32.0		33.0	31.5	32.7	31.5	26.5	32.5	33.0		32.0	30.5	33.5	33.0	33.0	33.5	18
19	32.5		33.0	32.3	33.5	32.5	30.5	33.0	33.0			32.7	33.5	34.0	34.0	33.7	19
20	33.0		33.5	32.0	33.5	32.7	32.0	33.0	34.0			32.0	34.5	35.0	33.5	33.7	20
21	33.0		33.5	33.0	33.0	33.5	32.7	35.3	34.0			32.0	35.0	35.0	33.5	34.5	21
22	33.0		33.3	32.0	33.0	32.7	32.7	38.3	34.0			32.7	34.0	33.5	35.0	33.5	22
23	32.5		34.5	32.0	33.5	33.0	32.0	37.0	33.5			32.3	34.7	34.0	33.3	33.0	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day / Hour
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	33.0	33.0	32.5	33.5	33.3	32.5	32.5	32.7	33.0	33.0	33.5	33.0	33.7	31.0	33.0	32.8	Midnight
1h	32.5	32.0	32.7	33.0	33.0	32.3	32.3	32.5	33.0	32.5	33.0	33.3	33.5	33.0	31.0	32.6	1h
2	31.0	32.5	32.5	33.3	31.0	32.0	31.5	32.0	32.5	31.5	33.0	33.5	32.0	33.3	34.0	32.2	2
3	31.0	31.5	32.7	32.0	32.7	31.7	31.5	31.0	32.0	32.3	32.5	33.0	32.3	32.5	34.0	32.0	3
4	30.0	31.2	32.5	30.0	30.5	31.5	31.5	30.5	32.3	31.0	32.5	33.3	33.0	32.5	33.0	31.7	4
5	30.5	31.0	32.5	31.0	28.5	31.5	30.3	30.5	32.0	32.3	32.3	33.0	33.5	32.3	33.0	31.4	5
6	31.0	31.5	32.0	31.5	30.5	31.5	29.5	30.0	29.5	31.5	32.0	33.0	32.5	30.5	33.0	31.2	6
7	30.0	30.0		31.5	30.0	30.3	30.5	28.0	27.5	30.5	31.5	32.0	31.5	28.0	28.5	30.1	7
8	30.5	30.0		31.5	31.0	31.0	32.0	30.0	28.0	31.5	31.7	32.5	31.0	30.0	26.5	30.5	8
9	31.0	30.0		32.0	32.5	33.0	32.5	32.0	32.0	33.0	33.0	33.0	31.5	31.0	26.0	31.8	9
10	31.5	31.5		32.5	31.7	35.0	34.5	31.0	34.0	33.5	34.0	33.7	32.0	34.0	29.0	32.8	10
11	31.5	33.5		31.5	34.3	35.0	34.0	32.7	34.3	34.0	34.0	32.5	31.3	34.5	28.5	33.1	11
Noon	31.3	31.0	31.0	31.3	34.0	34.0	33.5	33.5	34.3	33.5	32.3	32.7	32.0	34.0	34.0	32.7	Noon
13h	30.5	28.0	30.0	31.5	32.0	32.0	32.0	33.0	34.2	32.0	32.0	33.0	31.0	32.0	33.3	31.5	13h
14	30.0	27.0	30.0	31.3	30.0	30.0	30.0	31.0	33.0	33.5	32.0	31.0	30.5	29.0	32.5	30.3	14
15	29.5	30.0	31.0	30.5	28.5	30.0	30.0	30.7	31.0	34.0	31.7	30.0	31.5	30.0	33.5	30.1	15
16	30.0	32.0	31.5	30.5	29.0	30.5	30.0	30.5	30.7	32.3	31.5	28.0	31.3	30.0	36.0	30.4	16
17	32.0	34.0	33.0	30.5	32.0	31.5	30.7	31.5	31.5	32.0	32.5	29.0	32.0	33.0	38.5	31.8	17
18	33.3	34.3	35.0	33.0	32.7	32.0	31.5	32.7	32.7	32.0	33.3	31.0	32.7	35.5	39.0	32.8	18
19	33.5	34.0	34.0	33.7	32.5	32.5	32.5	33.0	33.5	32.7	33.3	33.0	36.0	36.0	37.0	33.4	19
20	33.7	35.0	34.5	33.5	32.7	32.7	33.0	33.0	33.5	33.5	33.3	33.5	34.0	35.5	36.0	33.6	20
21	33.7	34.0	34.0	33.5	33.0	33.0	33.0	34.5	33.7	34.3	33.0	34.0	33.5	34.0	35.0	33.8	21
22	33.0	34.0	36.0	33.5	33.0	32.5	33.0	34.0	33.0	34.3	33.0	33.3	33.3	33.5	34.0	33.5	22
23	33.0	32.5	33.5	34.0	32.5	32.7	33.0	33.7	34.0	34.0	33.0	33.7	33.0	33.5	34.5	33.4	23

TABLE IV.- MAGNETIC HORIZONTAL FORCE at every Hour of the Day as deduced from the PHOTOGRAPHIC RECORDS.

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

AUGUST, 1943.

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	398	399	400	388	382	390	389	395	333	372	367	401	413	396	410	396	Midnight
1h	401	398	399	391	393	392	397	395	336	371	390	399	409	382	400	389	1h
2	409	401	399	395	396	390	395	399	342	376	392	403	408	414	403	400	2
3	398	400	419	401	404	400	398	399	359	360	390	404	403	395	409	400	3
4	402	403	414	407	397	398	403	403	369	391	394	402	427	395	400	400	4
5	410	403	402	400	401	398	409	410	383	386	391	400	425	398	398	403	5
6	411	406	411	404	404	399	410	415	382	382	396	400	430	403	397	403	6
7	420	413	413	409	405	403	418	416		367	400	410	435	405	399	400	7
8	427	420	411	404	410	407	429	411		392	403	419	440	412	402	409	8
9	437	407	412	396	409	407	433	414		390	404	424	426	418	405	408	9
10	430	398	411	400	407	407	429	423		380	405	424	400	410	401	409	10
11	409	392		403	400	404	418	424	370	381	403	415	400	420	405	381	11
Noon	413	417		391	407	407	420	430	366	390	412	412	410	422	406	402	Noon
13h	406	420		400	397	403	415	423	364	400	419	408	387	416	417	410	13h
14	418	413		367	408	400	376	390	379	402	420	410	365	401	420	408	14
15	410	410		380	406	390	384	374	361	390	410	402	361	387	417	363	15
16	390	403		382	400	382	369	364	372	380	400	403	352	364	404	378	16
17	387	401		379	382	382	380	360	370	373	391	400	317	373	395	376	17
18	399	399		377	393	384	390	340	356	377	390	404	349	379	386	390	18
19	398	392	395	381	379	390	375	320	350	380	390	403	352	386	390	390	19
20	404	392	393	390	375	389	394	310	357	382	390	403	355	380	393	390	20
21	390	391	390	388	376	389	393	308	357	386	393	404	362	407	393	386	21
22	398	387	399	390	385	388	393	312	366	387	399	404	362	395	380	400	22
23	394	408	391	390	387	410	394	313	370	387	400	406	400	381	400	392	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)																
Mianight	389	389	377	375	381	390	399	403	386	390	390	398	376	403	355	390	Midnight
1h	406	396	379	403	362	391	399	398	390	399	369	404	372	388	370	392	1h
2	410	395	380	387	401	390	405	401	401	402	392	407	394	389	376	397	2
3	402	399	381	394	389	392	401	406	401	404	395	407	399	394	379	397	3
4	400	403	382	420	396	394	400	410	400	401	397	410	393	395	390	400	4
5	402	403	387	392	408	398	403	415	400	398	398	413	390	396	385	401	5
6	401	402	390	398	399	399	406	410	407	401	401	418	390	412	363	403	6
7	409	410	395	402	398	401	412	410	401	407	400	422	388	428	384	406	7
8	419	410	403	410	404	409	413	418	404	395	403	421	394	395	366	409	8
9	402	405	404	410	369	410	420	407	410	399	410	410	396	403	347	407	9
10	389	403	410	385	390	406	425	383	400	388	409	412	402	411	325	402	10
11	380	401	401	389	392	401	420	390	399	363	410	412	399	419	305	398	11
Noon	379	410	390	428	396	406	424	399	400	368	407	419	395	385	288	401	Noon
13h	391	430	385	422	398	414	420	393	391	378	404	424	409	359	278	401	13h
14	400	392	374	421	397	419	419	402	390	388	403	425	417	355	245	395	14
15	396	386	369	390	395	407	416	395	392	377	402	406	385	360	236	386	15
16	394	387	353	382	388	397	409	368	395	379	402	405	383	324	248	379	16
17	397	371	340	369	378	391	400	390	391	384	400	400	339	320	247	373	17
18	391	370	333	366	376	397	400	395	390	385	401	340	356	304	310	375	18
19	389	369	355	366	382	399	392	393	381	383	401	355	334	315	256	372	19
20	387	361	365	380	386	396	399	378	379	389	400	345	364	320	280	375	20
21	384	382	359	379	386	398	399	377	384	385	400	346	361	369	338	380	21
22	400	367	400	370	389	397	401	368	390	388	400	361	370	359	325	382	22
23	393	384	372	389	390	400	403	390	384	381	396	362	379	350	337	385	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, 1943.

.29000 + (C.G.S. Unit).

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
Midnight	1013		1013	1013	1020	1023	1022	1017		1015		1014	1010	1013	1009	1016	Midnight
1h	1011		1012	1013	1018	1016	1020	1018		1015		1015	1009	1018	1017	1018	1h
2	1010		1010	1012	1013	1017	1018	1017		1014		1015	1013	1005	1017	1013	2
3	1009		1009	1010	1013	1016	1016	1016		1014		1014	1013	1015	1013	1014	3
4	1008		1007	1009	1014	1015	1014	1015		1010		1014	1011	1013	1014	1015	4
5	1006		1006	1010	1012	1016	1013	1013		1013		1015	1013	1013	1016	1015	5
6	1007		1008	1013	1013	1016	1013	1012		1012		1016	1013	1016	1016	1015	6
7	1006		1006	1013	1012	1012	1011	1010		1010		1012	1007	1013	1015	1014	7
8	1011		1013	1016	1016	1016	1012	1014		1015		1014	1013	1013	1020	1019	8
9	1013		1017	1020	1022	1023	1017		1025			1020	1019	1021	1026	1024	9
10		1017	1018	1020	1022	1025	1021		1032		1029	1021	1029	1027	1030	1030	10
11		1002	1020	1016	1007	1010	1022	1018	1031		1023	1018	1037	1024	1020	1030	11
Noon		1003	1016	1010	1007	999	1018	1006	1019	1010	1007	1012	1026	1018	1013	1019	Noon
13h	998	1008	1007	1002	998	992	1003	1000	1018	1003	998	997	1010	1014	1008	1004	13h
14	995	1010	986	994	991	998	998	993	1017	1007	996	986	1006	1020	1002	994	14
15	1000	1010	978	999	989	1001	997	998	1017	1007	1000	983	1003	1024	998	995	15
16	1008	1012	983	1001	996	1010	1004	1004	1021	1013	1004	986	1013	1029	1005	999	16
17		1012	989	1009	1007	1017	1011		1027		1012	999	1023	1028	1014	1011	17
18		1014	1000	1013	1016	1018	1016		1029		1017	1008	1027	1027	1020	1016	18
19		1017	1014	1018	1019	1018	1017		1028		1018	1013	1024	1028	1026	1017	19
20		1018	1013	1019	1020	1019	1017		1029		1018	1013	1028	1026	1022	1018	20
21		1018	1015	1021	1019	1021	1018		1027		1017	1013	1029	1027	1021	1019	21
22		1018	1016	1018	1020	1019	1017		1027		1016	1013	1023	1018	1023	1016	22
23		1013	1020	1021	1022	1024	1017		1026		1015	1011	1022	1020	1020	1017	23

.29000 + (C.G.S. Unit).

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
Midnight	1013	1021	1025	1026	1018	1017	1015	1012	1014	1014	1013	1012	1017	1017	1029	1017	Midnight
1h	1013	1016	1024	1017	1018	1017	1015	1013	1014	1013	1013	1011	1015	1022	1023	1016	1h
2	1007	1016	1023	1020	1013	1017	1015	1013	1013	1013	1013	1011	1013	1021	1027	1015	2
3	1011	1015	1021	1019	1015	1017	1014	1013	1013	1013	1012	1012	1015	1020	1027	1015	3
4	1010	1014	1020	1011	1012	1015	1015	1011	1014	1013	1013	1012	1014	1020	1025	1014	4
5	1010	1013	1018	1017	1011	1015	1014	1013	1014	1016	1013	1012	1017	1020	1028	1014	5
6	1009	1014	1017	1016	1012	1014	1014	1012	1012	1015	1014	1013	1015	1018	1024	1014	6
7	1009	1012	1017	1013	1010	1011	1012	1009	1010	1014	1013	1012	1013	1016	1021	1012	7
8	1013	1014	1020	1016	1016	1018	1015	1015	1018	1019	1016	1012	1015	1028	1020	1016	8
9	1020	1022	1026	1022	1023	1024	1023	1022	1024	1022	1018	1013	1020	1034	1032	1022	9
10	1026	1026	1031	1024	1027	1026	1024	1026	1027	1021	1019	1013	1031	1036	1042	1026	10
11	1024	1024	1029	1025	1031	1020	1023	1027	1022	1019	1014	1012	1021	1032	1047	1023	11
Noon	1026	1005	1023	1023	1026	1008	1015	1022	1017	1012	1009	1001	1012	1025	1051	1017	Noon
13h	1021	1002	1020	1013	1018	1000	1007	1016	1016	1012	1005	994	1005	1018	1045	1009	13h
14	1016	993	1017	1000	1013	996	996	1012	1007	1008	1006	990	1002	1012	1042	1003	14
15	1013	1005	1019	993	1002	1001	993	1007	1003	1007	1007	992	1009	1012	1046	1003	15
16	1014	1010	1023	995	1004	1007	994	1010	1006	1009	1012	990	1013	1013	1054	1007	16
17	1017	1022	1028	1002	1010	1013	1003	1013	1012	1012	1013	999	1023	1028	1070	1015	17
18	1020	1022	1032	1011	1017	1013	1008	1017	1017	1013	1017	1016	1029	1037	1062	1020	18
19	1022	1023	1030	1014	1015	1013	1011	1017	1017	1016	1016	1020	1036	1037	1049	1021	19
20	1023	1028	1027	1014	1016	1013	1011	1016	1018	1018	1016	1022	1029	1038	1055	1022	20
21	1023	1023	1027	1016	1017	1014	1012	1021	1017	1015	1015	1021	1029	1036	1052	1022	21
22	1020	1027	1026	1017	1017	1014	1012	1016	1013	1016	1014	1018	1028	1027	1044	1020	22
23	1020	1024	1023	1021	1017	1015	1012	1016	1014	1015	1013	1017	1027	1033	1042	1020	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, 1943.

Month and day 1943.	Observations at 10 a.m.									Temperature of the Air							Rainfall		Duration of Bright Sunshine	Percentage of Possible Sunshine
	Atmospheric Pressure	Temperature of the A	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 recorded by the Casella Pluviograph.	Duration		
AUGUST	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	973.9	18.0	1.4	15.6	86	17.7	130	2.7	10	16.4	17.6	20.2	15.9	21.6	15.5	6.1	0.4	5	6.0	54
2	972.3	18.9	2.1	15.4	80	17.5	130	4.5	4	14.5	18.5	17.0	15.4	20.0	14.2	5.8	0.4	5	6.7	60
3	973.6	18.9	3.1	13.4	71	15.4	110	3.6	3	13.4	18.4	19.2	14.3	20.9	12.8	8.1	1.0	10	10.9	97
4	974.6	19.2	2.5	15.0	77	17.1	115	4.5	3	14.3	19.0	19.9	16.2	21.2	14.0	7.2	0.3	5	9.4	84
5	974.5	17.4	0.6	16.4	94	18.7	135	5.8	10	16.0	16.8	17.6	15.5	18.9	15.9	3.0	18.3	245	2.4	21
6	974.4	17.9	2.6	13.3	75	15.3	110	5.4	9	15.7	17.8	22.5	15.8	19.7	15.5	4.2	3.9	60	6.1	54
7	972.2	19.5	2.6	15.1	76	17.2	105	4.5	3	15.8	19.0	19.7	16.8	20.7	15.2	5.5	0.4	5	8.1	72
8	971.3	19.8	2.1	16.3	80	18.5	110	5.4	8	16.2	19.6	18.0	16.6	20.9	16.1	4.8	16.5	215	27.8	69
9	971.7	18.4	0.9	16.9	91	19.2	95	4.9	10	16.3	17.8	18.5	17.5	20.0	15.9	4.1	11.8	135	0.4	4
10	972.5	18.8	2.1	15.3	80	17.4	110	5.4	5	16.4	18.2	19.5	17.6	21.2	16.1	5.1	0.0	0	10.0	89
11	973.1	18.9	1.2	16.9	88	19.2	90	5.4	8	17.2	18.3	19.5	17.0	21.3	15.6	5.7	3.7	45	7.4	65
12	973.9	19.1	2.8	14.3	74	16.3	105	4.5	7	15.5	18.8	20.0	16.2	21.8	15.1	6.7	8.2	120	10.6	94
13	972.8	19.4	2.2	15.7	79	17.8	105	4.0	7	15.3	19.0	20.5	16.6	22.5	15.0	7.5	1.4	30	6.6	58
14	970.4	19.2	1.5	16.7	86	19.0	105	4.5	10	16.5	18.8	20.5	15.7	21.0	16.3	4.7	0.0	0	0.7	6
15	972.7	20.0	3.1	14.7	71	16.7	130	1.8	5	15.9	18.6	22.4	16.2	23.6	14.8	8.8	0.0	0	9.1	80
16	974.0	19.2	2.1	15.7	80	17.8		Calm	9	14.8	19.0	20.1	16.5	22.2	13.6	8.6	0.3	5	9.2	81
17	974.2	20.8	3.0	15.7	72	17.8	100	4.0	8	15.0	20.3	20.3	16.8	21.9	14.9	7.0	3.1	45	6.9	60
18	974.1	18.3	1.6	15.6	84	17.7	115	4.5	7	15.8	18.0	17.0	15.5	19.6	15.8	3.8	11.6	205	6.5	57
19	973.4	18.7	2.9	13.6	72	15.6	130	5.8	3	14.3	18.2	19.0	14.7	20.1	14.2	5.9	6.2	150	9.7	85
20	973.2	18.8	3.8	11.8	64	13.8	110	4.9	4	14.0	18.3	18.9	15.4	20.6	11.9	8.7	1.9	20	11.0	96
21	971.7	19.5	2.2	15.8	79	17.9	105	6.3	4	15.6	19.1	18.4	16.0	20.1	15.5	4.6	7.5	100	8.6	75
22	972.5	17.7	1.2	15.7	88	17.8	110	4.9	5	15.2	17.5	19.3	16.0	20.6	15.1	5.5	7.0	130	5.9	51
23	972.3	18.9	1.0	17.2	90	19.6	110	6.7	10	16.2	18.6	18.0	17.3	21.2	16.0	5.2	12.6	235	5.4	47
24	971.6	19.9	2.0	16.6	81	18.9	105	6.3	6	17.1	19.5	19.9	17.2	21.4	17.0	4.4	0.5	10	7.2	63
25	972.5	19.5	4.1	12.1	62	14.1	110	4.9	1	15.4	19.0	20.1	16.2	21.0	14.0	7.0	0.0	0	11.2	97
26	973.0	19.7	2.5	15.5	77	17.6	130	4.9	9	16.0	19.4	17.7	16.6	20.5	14.9	5.6	0.3	5	7.1	62
27	972.6	19.1	3.8	12.3	65	14.3	125	4.5	4	14.5	18.8	20.0	15.3	21.3	13.9	7.4	0.6	5	11.2	96
28	972.5	16.7	0.6	15.7	94	17.8	110	4.0	8	14.4	16.4	20.0	15.2	20.5	14.2	6.3	2.5	60	6.7	58
29	973.6	17.9	3.2	12.0	68	14.0	80	2.7	7	15.3	17.6	18.7	15.4	20.8	13.5	7.3	0.5	15	3.7	32
30	973.9	17.7	3.0	12.2	70	14.2	110	2.2	9	15.2	17.3	19.4	14.6	20.5	14.9	5.6	0.3	5	1.7	15
31	973.7	18.9	4.0	11.5	62	13.6	110	4.0	8	13.1	18.6	19.5	15.2	20.8	13.1	7.7	0.0	0	9.0	78
Mean	973.1	18.9	2.3	14.9	776	16.9	...	4.4	6.8	...	...	19.4	...	20.9	14.8	6.1	121.2	1870	7.20	63.2
Average	972.7	18.6	2.1	15.1	80.4	17.2	...	5.4	6.2	...	...	...	...	20.5	14.5	6.0	127.3	...	6.89	60.5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+42.4 mbs.	Amount of Rain	-60.5 mms.
Temperature of the Air	+ 3.2°C	Duration of Sunshine	+11.0 hrs.
Vapour Pressure	+ 1.3 mbs.	Mean of Maximum Temperatures	+ 2.9°C
Relative Humidity	- 9.2 %	Mean of Minimum Temperatures	+ 1.4°C
Velocity of Wind	0.0 m.p.s.	Absolute Maximum Temperature	+ 1.2°C
Amount of Cloud	- 1.5	Absolute Minimum Temperature	+ 0.5°C

Greatest Rainfall Intensity 4.0 mms. in 15 ~~in~~ mins.

TABLE VII. DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of AUGUST, 1943.

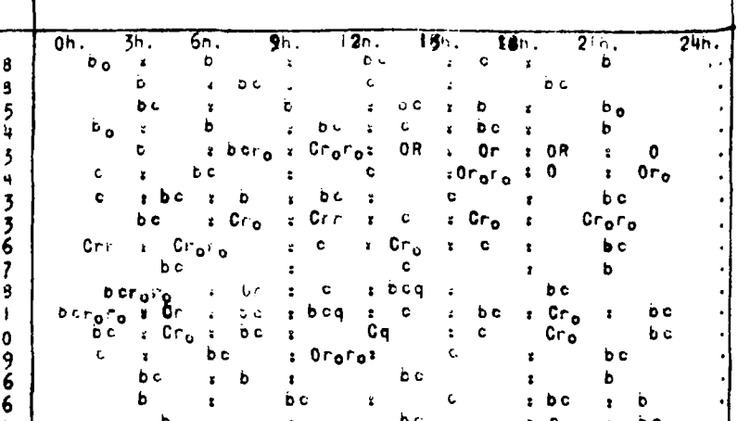
Month and Day 1943	Atmospheric Pressure: Mean	Atmospheric Pressure: Excess above Average	Temperature of the Air: Daily Maximum	Temperature of the Air: Daily Minimum	Temperature of the Air: Daily Range	Temperature of the Air: Mean	Temperature of the Air: Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew: Mean	Temperature of the Dew: Excess above Average	Relative Humidity: Mean	Relative Humidity: Excess above Average	Vapour Pressure	Minimum on the Grass	Rainfall: Amount recorded by the Dines Pluviograph	Rainfall: Duration	Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
AUGUST	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs	°C	mms.	min.	mms.	
1	6 4	0.6	24.8	14.5	10.3	19.4	0.3	2.8	14.6	0.9	74	2	16.6	11.2	0.0	...	4.3	2.6
2	0 3.9	0.2	23.0	13.9	9.1	18.7	1.0	1.9	15.5	0.2	81	5	17.6	10.9	0.1	5	3.9	4.2
3	0 5.0	0.9	23.6	13.3	10.3	18.7	1.1	3.1	13.3	2.1	71	5	15.3	9.6	0.0	...	3.1	2.0
4	10 6.2	2.1	23.8	13.3	10.5	18.6	.2	2.5	14.4	1.0	77	1	16.4	9.6	0.0	..	4.5	.9
5	0.6	2.0	22.7	15.1	7.6	19.0	0.8	1.1	17.2	1.8	89	13	19.6	11.1	2.3	260	3.1	6.0
6	10 5.5	1.4	22.7	17.3	5.4	19.5	0.3	1.9	16.4	1.0	82	6	18.7	15.6	4.0	75	3.1	6.3
7	0 3.1	.0	23.8	17.1	6.1	19.6	0.2	1.9	16.5	1.1	82	6	18.8	14.5	0.4	10	2.8	4.3
8	10 2.4	.7	23.4	17.7	5.7	20.0	0.2	1.3	17.9	2.5	88	12	20.5	14.7	7.7	180	2.4	5.5
9	0 2.8	.3	23.8	17.9	5.9	20.4	0.6	1.5	18.0	2.6	86	10	20.6	16.9	8.3	285	4.0	7.1
10	0 3.3	0.6	24.3	17.9	6.4	20.3	0.7	2.3	16.7	1.3	79	3	19.0	14.7	0.0	...	3.5	4.2
11	10 4.6	0.5	24.4	18.0	6.4	20.7	0.9	2.0	17.5	2.1	82	6	20.0	15.4	1.9	35	3.5	5.2
12	0 3.0	0.9	24.4	17.3	7.1	20.3	0.4	2.6	16.0	0.5	77	1	18.2	14.4	3.2	115	4.3	4.7
13	10 3.4	0.7	24.0	17.2	6.8	20.0	0.1	1.8	17.1	1.6	83	7	19.5	13.9	1.2	30	3.7	6.0
14	0 2.8	.3	22.7	15.5	7.2	19.4	0.5	1.4	17.1	1.6	87	11	19.5	11.9	3.0	90	1.6	6.9
15	0 4.1	0.0	24.7	15.0	9.7	19.4	0.5	2.1	15.9	0.4	80	4	18.1	11.4	0.0	...	2.7	3.4
16	10 5.5	1.4	24.5	15.0	9.5	19.4	0.5	2.0	16.1	0.6	81	5	18.3	11.0	0.2	10	2.7	3.5
17	0 5.9	.8	24.3	15.5	8.8	19.7	0.2	2.4	15.7	0.2	77	1	17.8	11.4	0.0	...	2.9	4.0
18	0 5.5	1.2	24.3	16.8	7.5	19.8	0.2	2.0	16.5	1.0	81	5	18.8	15.0	2.7	100	4.5	5.6
19	0 4.9	0.7	24.0	17.2	6.8	19.7	0.3	3.1	14.4	1.1	71	5	16.4	13.5	0.7	50	4.6	2.5
20	10 3.9	0.3	23.8	16.0	7.8	19.8	0.2	3.4	14.0	1.5	69	7	16.0	12.3	0.5	25	4.8	3.0
21	10 3.2	1.0	24.0	18.3	5.7	20.3	0.3	2.4	16.3	0.8	78	3	18.5	15.9	5.4	200	4.8	7.4
22	10 3.7	0.6	23.5	16.0	7.5	19.7	0.4	2.2	16.1	0.5	80	5	18.3	11.0	2.8	40	4.3	4.1
23	0 3.8	0.5	24.1	18.5	5.6	20.8	0.7	1.8	17.9	2.3	83	8	20.5	15.3	4.7	160	3.3	6.0
24	10 3.4	0.9	24.5	19.1	5.4	20.9	0.8	1.7	18.2	2.6	85	10	20.9	16.2	0.3	15	4.5	5.4
25	10 4.0	0.3	23.8	16.4	7.4	20.1	0.0	3.1	14.8	0.8	72	3	16.8	13.2	0.0	...	4.1	.2
26	0 4.2	0.1	23.8	17.5	6.3	20.3	0.1	2.6	16.0	0.5	76	1	18.2	14.5	0.8	10	4.8	5.5
27	0 3.5	0.9	24.2	15.4	8.8	19.4	0.8	3.0	14.2	1.3	72	3	16.2	10.1	0.3	20	3.4	1.2
28	10 3.9	0.5	23.5	15.3	8.2	19.5	0.7	2.3	15.7	0.2	78	3	17.8	10.1	0.2	15	4.2	5.2
29	10 4.8	0.4	23.0	14.3	8.7	19.2	1.0	3.1	13.8	1.7	71	4	15.8	9.7	0.0	...	4.0	3.8
30	10 5.4	1.0	23.6	16.0	7.6	19.6	0.7	3.0	14.5	1.1	72	3	16.5	12.6	0.0	...	3.5	6.7
31	10 5.3	0.7	24.0	14.4	9.6	19.1	0.7	3.3	13.5	2.3	69	6	15.3	10.1	0.0	...	3.4	5.3
Mean	10 4.5	0.1	23.8	16.2	7.6	9.7	0.2	2.3	15.9	0.4	78.5	2.9	18.1	12.8	60.7	1730	3.7	4.5
Aver.	10 4.2	...	23.9	16.5	7.4	9.9	...	2.7	15.5	...	75.6	...	17.5	13.2	62.5	1342	4.0	5.2
Col.	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 1943.

Anticyclonic conditions continued throughout the month, though the mean pressure was only 0.1 mb., above normal. Temperature was 0.2 C below the average. Rainfall was just below and cloud amount 13% below normal. The other elements were about normal.

TABLE V. (Ctd.). DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of AUGUST, 1943.

Month and Day 1943.	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
AUGU.	hrs.	%	m.p.s.	m.p.s.	°C	°C	°C	°C	
1	9.2	82	2.4	− 1.5	24.4	23.2	22.4	21.8	
2	4.7	42	2.7	− 1.0	24.3	23.2	22.4	21.8	
3	0.4	93	3.1	− 0.6	24.3	23.2	22.4	21.5	
4	9.	8	3.2	− 0.5	24.3	23.2	21.8	21.4	
5	6.7	60	3.8	+ 0.1	24.3	23.2	22.2	21.3	
6	7.7	69	[illegible]	+ 0.4	24.3	23.2	22.2	21.4	
7	8.2	73	3.	− 0.6	24.2	23.1	22.2	21.3	
8	7.2	64	3.8	0.0	24.3	23.3	22.1	21.3	
9	5.2	46	4.	+ 0.3	24.3	23.4	22.2	21.6	
0	9.6	85	3.8	0.0	24.4	23.3	22.2	21.7	
1	9.4	83	4.2	+ 0.4	24.3	23.3	22.3	21.8	
2	0.	89	3.8	0.0	24.4	23.2	22.5	22.1	
3	7.3	65	3.0	− 0.8	24.3	23.3	22.4	22.0	
14	0.2	2	2.3	− 1.5	24.3	23.3	22.4	21.9	
15	8.8	77	2.	− 1.7	24.3	23.4	22.4	21.6	
16	6.1	55	2.2	− 1.7	24.3	23.5	22.3	21.6	
17	8.2	72	3.0	− 0.9	24.3	23.3	22.3	21.4	
18	8.1	71	4.0	+ 0.1	24.3	23.1	22.3	21.5	
19	10.4	91	4.1	+ 0.2	24.3	23.1	22.3	21.2	
20	10.4	91	4.2	+ 0.3	24.3	23.1	22.2	21.4	
21	7.2	63	4.4	+ 0.4	24.3	23.3	22.2	21.6	
22	6.5	56	3.6	0.4	24.2	23.4	22.2	21.5	
23	8.7	76	4.8	+ 0.8	24.2	23.1	22.3	21.5	
24	6.8	59	3.9	− 0.2	24.2	23.1	22.2	21.8	
25	11.1	96	3.5	− 0.6	24.1	23.1	22.3	21.9	
26	7.0	61	3.5	− 0.6	24.2	23.1	22.3	22.0	
27	11.2	96	3.2	− 0.9	24.2	23.1	22.4	22.0	
28	5.1	44	3.5	− 0.6	24.2	23.3	22.5	21.9	
29.	2.7	23	2.7	− 1.4	24.2	23.4	22.4	21.9	
30	2.8	24	2.7	− 1.4	24.2	22.9	22.4	21.7	
31	8.1	70	3.0	− 1.1	24.2	23.1	22.4	21.8	
Mean	7.56	66.1	3.41	− 0.48	24.27	23.21	22.29	21.65	
Average	7.67	66.6	3.89	...	24.87	23.81	22.67	21.91	
Col.	19	20	21	22	23	24	25	26	27



MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF AUGUST, 1943.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1017.0mbs.		often	1011.0mbs	at 15.00hrs.	on 8th.
Temperature of the Air	24.8°C	at 14.00hrs. on	1st.	13.3°C	at 05.35hrs.	on 3rd.
					at 05.10hrs.	on 4th.
Daily range of Temperature of the Air ...	10.5°C	on	4th.	5.4°C		on 24th.
Temperature of the Dew Point ...	18.9°C	at 11.00hrs. on	24th.	11.4°C	at 13.00hrs.	on 31st.
Daily range of Temperature of the Dew Point						
Minimum on Grass				9.6°C		on 3rd&4th
Relative Humidity	98.8%	at 03.00hrs. on	2nd.	45.7%	at 12.00hrs.	on 1st.
Vapour Pressure	21.8mbs.	at 11.00hrs. on	24th.	13.5mbs.	at 13.00hrs.	on 31st.
Evaporation in 24 hours	4.8mms.		often	1.6mms.		on 14th.
Wind Velocity	7.3mps.	at 15.00hrs. on	19th.			
		at 13.00hrs. on	23rd.	0.6mps	at 22.00hrs	on 1st.
Rainfall in 24 hours	15.7mms.	ending 08200hrs. on	9th.			
Duration of sunshine	11.2hrs.	on	27th.	0.2hr.		on 14th

Mean Day Temperature of Air 21.48°C Mean Night Temperature of Air 17.96°C

NUMBER OF DAYS OF:

Mean Cloud Amount: 0	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 & over mms.	Lightning	Thunderstorm
...	9	18	4	...	9	8	3	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 og gravity, but are not reduced to sea level.) (The cistern of the barometer is 55.2 metres above mean sea-level.)

AUGUST, 1943

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	160	150	150	161	167	168	148	131	130	136	149	160	150	129	140	160	Midnight
1h	158	148	147	161	164	169	143	130	125	132	145	157	146	122	137	157	1h
2	152	140	143	160	161	164	140	128	122	131	141	151	140	120	134	154	2
3	150	138	141	158	160	161	135	121	122	130	139	151	133	118	131	151	3
4	150	133	141	157	157	159	131	120	121	129	134	150	132	113	130	148	4
5	150	135	141	158	158	158	131	121	120	129	133	150	134	116	131	146	5
6	152	137	142	160	159	161	132	[illegible]	121	131	135	151	138	120	136	149	6
7	156	141	150	161	160	160	136	122	128	137	140	159	140	126	141	151	7
8	160	146	156	166	162	168	141	126	134	141	146	160	143	131	147	155	8
9	160	149	163	170	168	170	143	130	138	147	150	162	150	140	150	161	9
10	161	148	162	171	170	171	141	132	140	149	154	163	150	140	150	164	10
11	156	143	157	168	164	166	139	136	137	145	152	159	146	138	149	160	11
Noon	149	140	151	161	156	158	129	131	126	140	150	149	138	131	142	153	Noon
13h	139	130	143	157	151	150	121	125	121	130	144	143	130	125	137	150	13h
14	129	128	139	153	150	144	117	112	116	121	140	140	122	120	131	144	14
15	126	125	137	150	147	140	112	110	114	118	138	134	120	119	130	141	15
16	127	128	140	151	150	140	114	112	116	120	140	134	120	120	130	142	16
17	130	131	143	156	153	141	119	114	121	124	141	138	121	121	132	150	17
18	132	133	151	160	158	142	121	115	128	129	147	141	124	124	140	151	18
19	139	138	156	163	161	149	126	120	131	136	151	147	128	129	144	157	19
20	143	141	162	167	170	150	131	125	135	141	155	152	130	134	151	162	20
21	146	147	162	170	171	150	134	129	141	146	160	154	134	138	154	170	21
22	150	149	162	170	171	151	132	130	142	148	160	154	133	140	157	170	22
23	150	148	163	168	168	150	131	131	141	150	160	152	131	140	160	170	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	168	164	160	154	140	140	143	142	141	146	149	140	149	159	160	150	Midnight
1h	162	161	158	151	134	140	141	140	140	143	144	139	143	156	154	147	1h
2	160	160	151	150	130	138	140	138	140	140	141	134	140	152	151	143	2
3	157	152	144	149	130	131	139	131	139	138	138	130	138	150	149	140	3
4	154	151	141	148	128	130	131	130	140	139	134	129	135	149	150	139	4
5	158	150	142	145	121	131	131	127	140	141	134	134	140	150	151	139	5
6	160	153	148	144	128	135	137	129	143	143	136	140	149	154	156	142	6
7	162	160	151	146	134	147	140	133	149	144	141	141	155	157	161	146	7
8	167	160	159	150	140	146	145	140	150	150	142	149	160	161	163	150	8
9	170	163	161	151	141	150	150	143	153	153	147	151	163	169	168	154	9
10	170	164	162	151	141	151	148	143	151	158	147	150	161	168	163	155	10
11	165	160	159	148	139	146	140	141	143	151	140	142	158	161	160	151	11
Noon	160	151	150	139	130	139	136	135	136	146	131	136	150	151	151	143	Noon
13h	154	146	141	130	126	131	131	127	130	136	125	130	141	142	141	136	13h
14	148	141	139	120	122	122	126	121	126	131	121	124	137	138	132	131	14
15	142	140	133	119	120	119	124	116	124	130	120	123	131	138	131	128	15
16	142	140	133	120	120	120	126	119	124	130	120	127	132	139	131	129	16
17	143	141	138	121	121	124	130	122	131	132	123	131	139	141	136	133	17
18	151	147	141	126	127	130	131	129	134	134	126	134	144	149	143	137	18
19	160	150	149	130	132	138	138	134	140	139	134	140	150	152	151	142	19
20	163	153	151	131	139	142	143	140	143	142	139	148	154	160	154	147	20
21	165	158	153	138	141	148	146	141	147	146	141	149	159	163	159	150	21
22	165	160	152	140	142	148	147	143	148	146	141	150	159	162	159	151	22
23	165	160	152	140	141	148	147	142	148	148	141	150	159	161	158	151	23

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

AUGUST 1943.

Hour \ Day	a 1	d 2	d 3	d 4	a 5	d 6	d 7	d 8	d 9	d 10	d 11	a 12	a 13	a 14	a 15	a 16	d 17	d 18	a 19	d 20	d 21	a 22	a 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	0	2	3	0	0	9	0	4	3	8	5	1	6	7	5	0	1	3	1	5	10	1	10	2	1	2	1	0	1	4	5	3.2
1h	0	2	3	0	0	8	0	4	3	9	5	4	6	7	5	0	1	3	1	4	10	1	10	2	1	3	1	0	1	4	5	3.3
2	0	1	3	0	0	8	0	4	3	9	6	4	8	6	5	0	1	3	1	5	10	2	10	2	1	4	1	0	1	4	5	3.5
3	1	1	3	0	0	6	0	3	3	9	6	9	8	4	5	1	1	3	1	8	10	3	10	5	1	5	1	1	1	4	5	3.8
4	2	2	3	0	0	4	0	3	3	8	1	9	10	3	4	2	1	5	1	8	10	3	6	4	1	5	1	1	0	4	9	3.9
5	3	2	3	1	3	4	1	3	3	9	6	1	5	2	3	1	1	5	1	3	8	3	10	6	1	6	1	7	2	5	10	3.9
6	3	4	3	1	4	4	2	2	3	8	6	3	3	7	3	2	1	7	1	1	8	3	10	7	1	9	1	9	2	5	10	4.3
7	2	1	3	1	3	4	2	2	3	8	6	5	3	8	3	2	1	7	1	1	8	6	10	5	1	4	1	8	1	8	10	4.1
8	2	2	2	2	3	5	4	2	3	9	8	3	7	9	3	2	2	8	1	1	9	7	10	5	2	7	1	8	2	8	8	4.7
9	2	2	2	2	3	4	5	5	7	8	6	3	8	9	3	3	4	7	2	3	5	7	5	8	2	7	2	9	3	9	7	4.8
10	2	5	2	2	5	4	5	6	6	8	7	4	5	10	3	4	5	7	2	4	6	8	4	8	2	6	2	10	5	8	7	5.3
11	3	7	2	5	6	5	4	8	7	9	6	4	5	10	4	5	4	9	2	4	7	8	6	8	1	8	2	10	6	7	6	5.8
Noon	3	9	2	5	8	6	8	7	7	9	9	5	7	10	4	6	4	7	3	2	8	8	7	9	1	8	3	9	7	6	6	6.2
13h	4	9	3	7	9	8	8	7	5	7	6	5	7	10	6	7	5	7	3	2	8	8	7	7	1	8	3	9	5	9	4	6.3
14	4	8	2	7	10	9	5	6	5	7	6	4	7	10	6	7	5	7	3	3	8	8	6	5	1	8	3	8	6	9	3	6.0
15	5	8	5	4	9	6	5	7	6	6	6	4	7	10	7	7	6	7	4	3	8	4	6	9	2	8	3	8	7	9	2	6.1
16	8	7	4	2	10	5	7	7	7	6	5	3	7	10	5	8	6	6	3	3	6	4	6	9	1	7	2	7	9	9	1	5.9
17	8	4	1	3	10	8	6	7	6	5	4	3	7	5	5	8	7	10	3	3	8	4	6	8	1	5	2	5	7	9	2	5.5
18	4	4	0	3	10	10	8	8	6	5	3	3	6	5	3	6	7	8	6	2	8	2	3	8	1	4	1	4	4	6	2	4.8
19	1	4	0	1	8	8	8	7	3	5	1	10	7	5	1	4	6	6	3	1	9	0	3	4	1	3	1	3	4	5	2	4.0
20	1	5	0	0	9	8	7	7	3	4	1	10	8	5	1	3	5	3	3	1	5	0	1	4	1	2	0	2	4	4	3	3.5
21	1	4	0	0	10	6	6	7	2	4	4	5	3	5	1	2	8	2	3	1	4	1	1	2	1	4	0	2	4	8	3	3.4
22	1	4	0	0	9	10	6	7	2	4	5	5	2	5	0	2	6	2	4	1	4	1	1	2	1	4	0	2	4	8	5	3.5
23	1	4	0	0	9	8	5	8	2	4	4	5	1	5	0	2	6	2	4	1	3	1	1	2	1	4	0	2	4	8	6	3.3

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

AUGUST 1943.

Hour ENDING \ Day	d 1	a 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	a 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	23	15	23	15	2	1	11	6	0	2	15	5	0	0	30	27	22	6	17	35	0	0	0	0	31	37	36	1	0	0	0	6.0
8	60	55	60	60	45	26	60	60	5	43	55	55	29	0	60	60	60	59	60	60	5	22	31	42	60	60	60	27	45	0	12	22.3
9	60	60	60	60	45	50	60	59	25	48	47	60	40	0	60	60	60	6	60	60	50	57	59	58	60	34	60	0	27	0	5	23.3
10	60	52	60	60	60	60	60	54	38	60	54	54	46	0	60	36	58	55	60	60	60	7	60	60	60	20	60	18	0	0	47	24.0
11	60	27	60	60	43	60	58	36	12	60	55	60	52	0	60	30	60	52	60	60	60	30	60	49	60	36	60	0	12	31	37	23.3
Noon	60	2	60	60	60	60	48	55	7	60	53	60	60	0	59	45	60	60	60	60	60	43	55	38	60	26	60	23	3	56	44	24.3
13h	60	35	60	35	38	42	54	46	30	60	58	60	42	0	50	55	41	60	60	60	55	8	28	40	60	60	60	35	36	37	60	23.7
14	60	25	60	15	37	35	25	40	35	60	60	51	7	0	11	35	50	60	60	60	7	21	60	37	60	3	60	53	9	28	60	19.7
15	60	3	60	60	49	45	60	59	43	60	60	55	41	0	20	0	18	60	60	60	27	60	60	60	60	14	60	50	12	8	60	22.4
16	50	6	60	60	24	47	24	10	35	60	55	60	36	0	42	5	27	47	60	60	32	60	60	22	60	53	60	60	16	10	60	21.0
17	0	1	55	58	0	36	14	6	35	52	45	60	46	15	60	12	26	19	60	31	53	60	46	3	60	60	60	40	0	0	60	18.8
18	0	0	6	3	0	0	20	0	27	12	7	27	35	0	17	0	12	0	6	20	25	20	0	0	33	17	35	0	0	1	39	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	0.0

The total Amount of Registered Sunshine was 234.2 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, 1943.

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	17.1	0.6	15.0	1.0	18.2	1.9	17.0	2.1	16.0	1.2	18.6	1.0	18.8	1.2	17.7	0.7	Midnight
1h	16.5	0.7	14.8	0.8	18.0	2.1	15.9	1.6	16.5	1.0	18.5	1.5	18.1	0.9	18.3	0.8	1h
2	17.2	0.7	15.0	0.6	17.5	2.1	15.4	1.3	17.1	0.8	18.4	1.9	17.9	1.0	18.9	1.0	2
3	16.7	0.5	14.3	0.1	16.7	1.5	15.0	1.4	17.1	0.9	18.8	2.3	17.6	0.8	18.7	1.2	3
4	17.3	0.7	15.9	0.7	15.0	1.1	14.8	1.3	16.7	0.7	18.1	2.1	17.3	0.8	18.4	0.8	4
5	16.5	0.8	16.4	0.9	13.8	1.1	13.5	1.2	17.8	0.8	17.8	1.8	17.2	0.8	18.0	0.8	5
6	15.7	0.8	16.1	0.9	14.5	1.6	13.8	1.2	18.5	1.5	17.7	1.6	17.5	1.1	18.4	0.8	6
7	14.8	1.0	15.3	0.8	14.7	2.2	14.8	1.2	18.6	0.8	17.3	1.4	17.3	0.8	18.7	1.2	7
8	18.0	1.2	18.7	0.7	18.5	2.3	18.5	1.5	19.6	1.1	18.9	2.0	19.7	1.7	20.6	1.7	8
9	21.3	3.2	21.3	3.3	21.0	3.6	21.0	3.2	20.2	0.9	20.7	2.8	21.6	2.6	21.9	2.1	9
10	23.1	5.6	22.5	4.1	22.0	4.5	22.2	4.3	21.7	2.4	21.2	3.2	21.8	3.2	22.6	2.6	10
11	23.9	7.0	21.5	3.1	22.4	4.9	23.1	5.1	20.3	1.0	21.3	3.1	22.7	3.7	21.8	2.4	11
Noon	24.3	7.1	21.3	2.8	22.9	5.3	23.0	4.4	21.6	1.9	21.8	3.3	22.3	3.6	22.8	2.8	Noon
13h	24.6	7.1	22.3	3.6	23.4	5.6	22.0	3.5	21.5	2.1	21.5	3.3	23.0	3.8	22.2	2.3	13h
14	24.8	6.5	21.8	3.5	23.3	5.8	21.6	3.3	20.3	0.8	21.4	2.4	22.2	3.9	21.9	2.1	14
15	24.5	6.0	21.5	3.9	22.5	5.1	22.9	5.2	21.2	2.2	21.9	2.8	22.4	3.8	22.2	2.7	15
16	21.9	3.3	21.2	3.7	22.0	4.9	22.5	4.6	19.0	0.6	21.3	2.3	20.2	3.0	20.3	1.0	16
17	20.8	3.3	20.7	3.0	20.8	4.3	21.3	3.9	18.9	1.0	19.8	1.0	20.9	2.3	20.2	1.0	17
18	20.2	3.6	19.2	1.3	19.0	3.1	20.0	2.6	19.1	0.7	19.0	1.0	19.6	1.6	19.8	1.0	18
19	18.3	2.1	18.8	1.0	17.6	2.5	19.3	2.0	18.9	0.7	18.6	1.1	19.1	1.2	19.5	1.0	19
20	18.1	1.7	18.5	0.7	17.0	2.2	18.8	1.8	18.5	0.8	18.6	0.7	18.8	1.0	19.5	0.8	20
21	17.5	1.3	18.3	1.2	16.7	2.2	17.2	1.3	18.1	0.5	18.2	1.0	18.7	1.2	19.5	0.6	21
22	17.3	1.1	18.0	1.3	16.5	2.2	15.7	1.2	18.2	0.6	18.7	0.8	17.9	0.7	19.5	0.5	22
23	15.4	1.3	18.0	1.8	16.3	2.1	16.5	1.1	18.5	0.6	19.0	1.3	17.8	0.8	19.0	0.4	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	19.0	0.5	19.3	1.4	18.6	1.1	20.0	2.0	18.2	0.6	18.2	1.0	16.3	0.5	17.5	1.0	Midnight
1h	19.3	0.5	19.1	1.2	18.5	1.0	18.6	1.5	18.3	0.7	18.3	1.0	16.3	0.6	17.7	1.0	1h
2	19.5	0.6	18.9	1.4	18.5	1.0	18.1	1.3	17.3	1.0	18.7	1.0	15.8	0.7	16.9	1.0	2
3	18.2	0.5	18.5	1.1	18.9	0.9	18.6	0.8	18.0	0.2	18.3	0.9	16.3	0.7	15.5	0.8	3
4	18.2	0.4	18.3	0.9	18.1	1.1	18.1	0.8	18.0	0.8	18.4	0.9	16.0	0.6	16.2	0.9	4
5	18.5	0.6	18.1	0.9	18.5	1.0	18.2	0.9	17.9	0.4	18.3	1.0	15.2	0.8	16.0	0.5	5
6	18.6	0.6	18.2	1.1	18.5	0.6	17.9	0.7	17.6	0.4	18.1	0.9	15.9	0.8	15.0	0.4	6
7	19.3	0.4	18.4	1.2	19.1	1.0	17.5	0.7	18.0	0.6	19.0	1.1	17.0	0.3	16.8	1.2	7
8	19.3	0.5	20.5	2.0	20.7	1.4	20.2	2.2	19.5	0.7	20.2	1.5	20.4	0.9	20.3	1.3	8
9	21.2	1.3	21.2	3.0	21.2	1.6	22.4	4.2	21.1	1.6	21.4	2.0	22.3	2.8	22.2	2.8	9
10	19.9	0.9	22.6	3.8	22.3	2.7	23.0	4.4	22.2	2.6	20.8	1.8	23.1	4.4	22.1	3.4	10
11	21.7	1.8	23.6	4.2	22.7	2.7	23.3	4.9	23.0	3.5	20.2	0.6	24.0	4.7	22.5	3.0	11
Noon	22.7	2.8	24.3	4.9	23.0	3.1	23.8	5.8	23.4	3.7	20.0	1.0	24.0	4.9	24.0	4.5	Noon
13h	22.9	3.3	23.3	3.9	23.9	3.9	23.5	5.2	23.5	3.7	21.6	2.1	24.5	5.6	23.7	4.0	13h
14	22.5	2.3	23.9	4.4	22.9	3.4	23.3	5.1	22.6	3.3	22.3	2.6	23.2	3.2	23.7	3.7	14
15	22.2	2.2	23.2	3.9	23.3	4.2	23.2	5.7	22.5	3.9	22.5	3.0	23.0	3.2	22.8	3.5	15
16	22.3	2.6	22.5	3.3	22.7	3.2	23.3	6.3	22.4	3.3	22.5	3.0	23.3	3.3	22.0	3.2	16
17	21.8	2.7	21.6	2.6	21.7	2.2	22.2	4.2	21.4	2.8	21.9	2.8	23.0	3.5	21.5	3.1	17
18	20.5	1.9	20.6	2.0	21.2	2.2	21.0	2.9	20.5	2.2	20.3	1.2	21.2	2.6	20.0	2.2	18
19	20.2	1.3	20.2	1.9	20.5	1.7	19.5	1.0	19.2	1.2	18.5	1.0	18.8	1.8	19.0	1.7	19
20	20.2	1.5	19.3	1.4	20.4	1.9	18.2	0.9	19.2	1.1	17.8	0.9	17.7	1.3	18.5	1.4	20
21	20.1	1.6	19.0	1.4	20.2	2.0	18.3	0.5	19.1	1.3	17.2	0.6	16.3	1.1	17.9	1.2	21
22	20.0	1.5	18.7	1.3	20.5	2.2	18.5	0.6	18.5	1.0	16.6	0.7	16.3	1.1	17.6	1.5	22
23	19.9	1.7	18.8	1.3	20.1	2.1	18.2	1.0	18.4	1.1	15.7	0.7	16.0	1.0	17.1	1.3	23

TABLE X. (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, 1943.

Day / Hour	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		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	16.5	1.1	19.2	1.4	17.7	1.4	17.7	1.0	18.5	0.6	18.8	2.8	18.5	1.1	19.9	1.1	Midnight
1h	16.2	0.9	18.4	1.2	18.2	2.3	17.0	1.5	18.7	0.6	19.0	2.6	18.8	0.9	19.5	0.7	1h
2	16.1	0.9	17.4	1.0	18.3	2.6	16.6	1.6	18.6	0.5	18.6	2.1	19.2	1.1	19.2	0.8	2
3	16.3	0.8	17.5	0.8	18.1	2.5	17.5	2.1	19.0	0.5	17.3	1.4	18.5	0.6	19.1	0.8	3
4	15.8	0.8	17.3	0.9	18.2	2.6	17.9	2.6	19.0	0.5	17.0	1.1	18.6	0.8	19.2	0.8	4
5	15.6	0.7	18.3	0.9	17.7	2.3	16.5	2.3	19.1	1.2	16.5	1.3	19.2	0.5	19.5	1.0	5
6	15.5	0.6	18.2	0.9	18.0	2.2	17.0	3.1	19.3	1.3	17.9	1.0	19.1	0.3	19.5	1.0	6
7	16.9	0.9	18.3	0.9	17.9	2.1	17.2	3.3	19.6	1.7	17.0	0.9	19.2	0.3	19.9	1.0	7
8	20.0	1.5	21.0	2.2	20.1	3.6	19.6	4.5	19.9	1.3	18.7	1.3	19.9	0.4	21.3	1.7	8
9	21.0	2.2	21.7	2.8	21.6	4.6	21.0	4.1	21.7	2.2	20.3	1.5	22.0	1.5	23.0	2.6	9
10	22.8	3.8	22.4	3.9	22.3	4.8	22.0	5.2	23.0	3.0	20.2	2.6	22.4	2.9	23.0	3.0	10
11	23.8	5.0	22.4	4.2	23.0	5.4	22.6	5.3	23.8	4.4	21.4	1.9	23.8	3.8	22.4	2.2	11
Noon	23.7	4.7	23.8	4.8	23.4	5.8	23.3	5.7	23.7	3.7	22.4	3.8	23.3	3.3	23.4	3.3	Noon
13h	23.5	4.7	23.5	4.1	23.6	5.6	23.5	6.2	22.6	3.1	22.1	2.7	23.0	3.5	22.8	2.7	13h
14	23.5	4.8	23.0	3.8	23.0	5.5	23.5	6.1	20.2	1.3	22.0	3.2	23.8	4.2	23.3	3.2	14
15	23.1	4.9	22.4	3.7	22.5	4.9	22.8	5.8	21.9	3.7	23.4	5.4	23.3	3.2	23.4	3.9	15
16	22.4	4.5	21.0	2.4	21.6	4.2	22.5	5.4	21.4	3.6	22.7	4.4	22.7	2.8	22.5	3.0	16
17	21.8	3.8	19.4	1.1	21.0	3.8	21.1	3.6	21.0	4.1	22.0	3.4	21.2	2.7	21.8	2.2	17
18	20.9	3.0	18.7	0.7	19.2	2.2	19.9	2.8	20.3	3.7	20.7	2.2	20.9	1.8	20.9	1.7	18
19	20.2	2.6	18.5	1.0	18.1	1.1	18.9	2.0	19.6	3.4	20.0	2.4	20.4	1.3	19.9	0.8	19
20	19.8	2.1	18.4	1.2	18.0	1.5	19.0	2.1	18.7	2.5	19.5	2.0	20.1	1.2	19.6	0.7	20
21	19.0	1.4	18.6	1.5	17.3	1.6	19.1	1.9	19.3	3.7	18.7	1.5	20.1	1.2	19.4	0.8	21
22	18.4	1.3	18.5	1.5	17.2	1.4	19.2	1.5	18.8	3.5	19.0	1.4	20.1	1.2	19.3	0.8	22
23	18.9	1.4	18.3	1.5	18.0	1.5	18.7	0.9	18.9	3.2	18.4	1.1	19.9	1.1	19.1	1.0	23

Day / Hour	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean		Day
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	18.7	1.1	19.4	1.4	17.5	1.5	16.4	1.1	18.3	1.8	19.2	3.1	17.7	1.4	18.0	1.2	Midnight
1h	18.4	1.2	19.4	1.3	17.3	1.3	16.4	0.8	17.1	1.4	19.0	2.9	17.8	2.4	17.9	1.3	1h
2	18.3	1.2	18.9	1.4	16.5	1.3	15.5	0.5	17.6	1.4	18.4	2.0	17.4	2.0	17.7	1.3	2
3	18.0	1.5	19.3	1.8	16.0	1.4	15.9	0.9	17.2	1.3	18.6	1.7	16.6	1.8	17.5	1.1	3
4	17.3	1.4	18.5	1.1	15.5	0.6	16.8	1.5	16.5	1.4	17.7	1.2	17.2	1.6	17.3	1.0	4
5	17.0	1.6	18.0	1.0	15.9	1.1	18.0	1.2	15.3	1.6	16.9	0.9	17.2	1.7	17.2	1.1	5
6	17.0	1.8	17.9	1.3	15.4	0.9	17.4	0.4	14.8	1.8	16.0	0.9	17.0	1.6	17.1	1.1	6
7	17.4	2.3	18.4	1.5	17.3	0.8	17.9	0.9	14.9	0.9	18.5	2.9	17.9	2.4	17.6	1.3	7
8	20.2	3.7	21.4	2.4	20.7	3.2	20.0	1.7	20.3	3.8	20.3	3.5	18.0	1.7	19.8	1.9	8
9	21.6	5.3	21.5	2.6	22.0	5.0	20.2	2.2	20.5	3.7	20.6	3.3	19.5	2.5	21.3	2.8	9
10	22.4	5.2	21.5	2.5	22.5	5.3	22.2	2.8	21.6	4.7	21.4	4.4	22.3	5.4	22.1	3.7	10
11	22.8	5.5	22.2	2.6	23.2	6.0	21.3	2.3	21.9	5.4	21.7	4.3	21.5	4.3	22.4	3.8	11
Noon	23.3	6.2	22.2	3.4	23.7	6.2	22.4	3.5	21.9	5.4	22.8	5.6	22.5	6.0	22.9	4.3	Noon
13h	23.4	5.9	23.8	5.7	23.8	6.2	23.0	4.0	22.0	5.5	22.7	5.6	23.8	7.0	23.0	4.3	13h
14	23.0	5.0	22.6	4.8	23.5	5.5	23.0	3.8	21.5	4.5	22.6	5.8	23.7	6.7	22.7	4.0	14
15	23.2	5.4	22.0	4.1	23.0	5.5	22.9	4.0	22.2	4.5	22.2	5.1	23.1	5.9	22.7	4.2	15
16	23.6	6.1	22.3	4.8	22.9	5.3	22.2	3.9	21.3	4.2	21.4	4.1	22.5	5.7	22.0	3.7	16
17	21.5	3.6	21.5	3.8	21.6	4.1	21.1	3.6	20.9	3.9	20.4	3.4	21.2	5.2	21.2	3.1	17
18	19.9	2.6	20.5	3.4	20.4	3.2	20.3	3.1	19.3	2.4	19.7	2.4	19.7	4.0	20.1	2.3	18
19	19.5	2.0	19.3	2.0	18.9	2.4	19.1	2.3	19.5	3.9	19.2	2.4	18.2	2.9	19.2	1.8	19
20	18.5	1.5	19.2	2.2	18.1	1.9	18.7	1.9	18.9	2.6	19.1	2.4	17.5	2.5	18.8	1.6	20
21	19.3	2.0	19.5	2.3	17.5	1.6	18.5	2.0	18.5	2.3	18.3	1.9	16.4	1.8	18.4	1.4	21
22	19.5	2.1	19.5	2.4	16.9	1.4	18.9	2.3	18.7	2.7	17.9	1.3	15.6	1.2	18.3	1.5	22
23	19.1	1.4	18.3	2.1	16.5	1.4	16.8	2.3	18.9	2.8	17.6	1.4	15.4	1.6	18.1	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 AUGUST, 1943.

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, 1943.

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.
Mid-night	09	1.1	13	0.7	11	3.5	12	3.1	11	1.3	10	4.1	09	3.1	10	3.5	10	3.8	10	3.2	10	2.6	10	3.2	10	2.2	10	2.7	11	1.5	12	1.2
1h	09	1.3	12	1.4	10	4.1	12	2.1	11	1.9	09	4.2	10	2.4	11	2.9	11	5.5	10	3.7	11	2.8	09	3.1	10	2.2	10	2.5	11	1.8	14	1.8
2	10	1.9	11	1.1	11	3.4	13	2.1	10	1.5	09	4.1	11	3.0	10	3.0	10	4.4	10	2.8	10	3.0	10	2.2	10	2.3	10	2.1	11	1.6	13	1.2
3	10	1.3	12	2.2	12	3.6	13	2.1	10	2.6	10	4.2	10	2.1	10	3.0	06	2.9	10	2.5	10	3.5	09	4.2	10	2.7	10	2.1	11	2.0	13	1.7
4	10	1.2	12	1.7	12	1.0	13	2.0	10	1.9	09	4.4	10	2.1	10	2.5	10	2.5	10	2.4	10	2.9	09	2.6	06	2.6	10	3.1	11	2.0	14	1.8
5	11	1.6	17	1.1	12	1.6	13	2.2	10	3.1	10	2.9	10	2.8	10	2.1	09	2.9	11	2.4	11	3.0	10	2.9	10	1.9	09	3.1	11	1.7	14	2.1
6	11	1.3	14	0.7	10	1.7	13	2.4	10	3.1	10	2.4	10	2.4	10	2.6	10	3.5	10	2.3	11	2.1	10	2.1	10	1.9	10	2.0	11	2.4	14	1.5
7	11	1.3	14	0.7	10	2.0	14	2.6	10	3.0	10	2.1	09	1.8	10	2.9	10	2.8	10	2.9	11	1.9	10	2.1	10	2.1	09	1.5	11	1.6	14	2.2
8	14	1.9	12	1.5	12	3.1	14	2.6	11	4.1	11	3.1	10	2.2	09	4.3	10	3.4	10	3.1	11	3.0	10	4.3	10	2.3	09	2.5	11	1.8	12	1.7
9	10	3.0	11	3.0	12	3.5	12	3.4	10	4.5	10	5.4	11	3.7	10	2.7	10	4.2	10	5.3	08	5.0	08	5.9	10	2.7	11	2.9	10	2.3	08	2.0
10	11	3.7	10	3.9	10	4.1	12	4.8	10	5.2	10	6.0	09	3.8	10	5.0	09	5.4	09	5.2	09	4.6	08	4.4	08	3.6	10	3.8	09	2.5	10	2.7
11	12	3.7	11	3.6	09	4.5	11	4.5	11	4.7	10	5.9	09	3.7	10	4.2	08	4.4	09	5.8	08	7.5	09	4.4	08	4.2	04	2.1	10	2.7	08	3.0
Noon	09	3.8	11	4.1	09	3.9	10	4.9	10	4.2	10	5.6	10	4.2	10	5.2	10	5.3	09	6.4	09	7.3	08	5.5	06	4.2	d18	1.5	08	3.3	10	3.6
13h	10	2.8	09	4.2	08	4.2	12	4.8	10	5.8	09	5.9	11	4.1	12	4.0	07	4.4	09	6.1	09	5.0	08	5.6	06	3.5	r07	2.2	09	2.3	d20	2.1
14	09	3.0	09	4.4	10	4.1	12	4.3	10	5.6	12	4.7	10	4.1	10	6.4	09	5.4	08	5.9	08	5.4	09	5.9	06	4.2	06	3.3	d18	3.0	19	1.7
15	10	4.0	08	3.9	11	4.2	11	5.6	08	5.7	10	4.7	11	5.0	11	5.0	09	4.9	08	5.5	09	7.2	08	4.2	06	4.4	06	3.2	20	2.9	12	1.5
16	12	6.1	10	4.1	11	4.0	12	5.7	06	5.1	10	4.5	08	4.0	09	4.7	08	5.1	09	5.7	08	5.3	07	4.4	07	4.0	05	2.4	18	2.5	11	3.3
17	11	4.4	11	3.4	12	3.5	12	5.1	08	3.5	11	4.0	09	3.7	10	3.5	09	5.0	09	4.8	09	4.9	09	4.9	07	4.0	04	1.9	18	1.7	09	4.4
18	12	3.6	10	2.3	12	3.0	12	2.6	10	2.7	09	3.7	09	3.1	10	4.1	10	3.5	10	4.8	10	4.8	10	4.0	08	3.1	04	1.1	13	1.5	11	2.3
19	12	2.7	10	2.5	12	2.1	12	2.9	09	3.7	09	3.4	10	2.3	11	3.5	10	3.7	11	2.1	09	2.7	11	3.5	11	2.7	04	1.5	13	2.4	09	2.3
20	12	1.3	10	2.9	13	2.6	12	3.2	09	3.2	10	3.6	10	2.6	09	4.7	10	3.7	11	1.7	09	3.3	12	3.8	11	2.6	11	2.0	13	1.4	09	1.8
21	12	2.0	10	3.0	13	2.7	12	1.1	10	4.4	12	4.6	10	3.0	10	3.1	09	4.3	12	2.5	09	4.5	10	2.7	10	2.8	11	2.0	13	2.2	09	2.1
22	13	0.6	11	3.4	13	1.8	12	1.1	09	4.8	10	3.0	09	2.5	09	4.4	09	3.4	11	2.3	09	4.5	10	3.0	09	3.0	11	2.0	13	1.9	09	2.0
23	14	0.8	10	3.4	12	2.9	12	1.3	10	3.5	09	3.4	09	1.3	10	3.2	10	3.8	10	2.0	10	2.9	07	2.2	09	3.1	11	1.3	13	1.6	09	2.2

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.	
Mid-night	09	1.8	10	1.8	13	2.1	10	4.2	08	3.4	09	2.1	10	2.9	09	4.1	10	3.7	10	1.9	10	2.1	10	1.3	10	1.4	10	2.6	15	1.9	2.5
1h	09	1.6	11	1.4	13	2.9	10	3.5	10	3.5	08	3.9	10	2.8	09	3.6	10	2.9	10	1.2	10	2.2	10	2.0	10	2.0	09	1.9	13	2.5	2.6
2	09	2.2	11	2.0	12	2.9	07	1.9	10	2.7	08	2.2	11	3.4	10	3.6	10	2.9	10	2.1	10	1.9	10	1.6	10	2.1	11	1.3	16	2.0	2.4
3	09	2.6	11	2.1	11	4.6	10	3.2	05	2.5	09	1.5	11	4.9	10	3.5	10	2.8	11	2.8	10	2.0	10	2.1	11	2.4	08	1.1	15	2.2	2.7
4	09	2.6	11	1.3	10	3.7	12	2.9	10	2.2	10	1.9	11	3.6	10	3.3	10	2.5	08	3.0	10	1.5	10	1.8	11	2.2	09	1.4	15	1.8	2.3
5	09	2.0	10	2.7	11	3.6	14	2.9	07	3.7	10	2.0	09	4.1	10	3.5	11	2.3	07	2.5	10	2.6	09	3.3	11	2.1	11	1.7	15	1.7	2.6
6	09	1.7	10	2.5	11	1.9	12	4.4	07	3.5	11	2.7	11	4.3	10	3.6	11	3.2	11	2.3	10	2.0	08	2.9	11	2.1	12	2.1	13	3.3	2.5
7	09	1.4	10	2.9	12	3.0	12	4.6	08	3.5	06	2.3	09	4.3	10	3.1	10	3.1	13	2.7	10	2.3	11	3.2	11	2.0	12	3.4	12	3.3	2.5
8	09	2.6	10	3.8	11	3.6	11	4.1	07	3.1	11	2.7	11	4.4	11	3.3	11	3.0	13	2.7	09	3.2	11	2.5	11	2.2	12	1.9	16	2.4	2.9
9	09	3.7	11	4.0	11	4.3	12	5.0	07	4.7	10	4.9	10	4.9	08	4.7	10	4.6	12	4.2	08	5.0	11	4.8	08	3.7	12	2.1	10	2.3	3.9
10	10	4.2	11	5.9	11	5.7	10	5.3	07	6.4	11	3.4	08	7.0	08	5.2	10	5.0	12	4.0	11	4.7	11	2.5	09	2.2	12	3.1	14	3.5	4.4
11	10	4.5	08	6.2	12	6.5	11	6.1	08	5.9	04	4.3	08	7.1	10	5.6	08	4.3	10	3.6	12	5.2	11	4.4	08	5.6	08	5.3	11	4.5	4.8
Noon	11	5.1	09	6.3	09	6.9	11	5.3	08	6.4	08	5.7	11	7.0	08	4.9	10	4.4	11	5.0	11	4.4	09	5.8	06	4.3	09	4.3	12	5.7	5.0
13h	09	4.5	09	5.8	12	6.4	11	6.1	08	6.4	12	4.4	08	7.3	09	4.3	10	4.5	09	4.7	11	4.8	09	5.4	07	4.2	12	3.8	12	4.2	4.6
14	11	4.6	11	5.8	11	5.9	11	5.8	08	5.3	10	5.5	08	6.1	08	4.9	09	5.3	08	4.1	08	4.9	08	4.9	06	3.0	10	4.5	13	5.1	4.8
15	10	5.4	11	6.1	12	7.3	09	5.3	08	5.8	08	5.7	08	5.5	09	5.5	11	5.0	07	4.6	10	4.7	09	6.6	08	4.4	09	4.1	13	5.4	4.9
16	10	4.2	12	5.6	09	5.6	09	5.6	08	7.2	09	5.9	10	5.9	08	4.7	11	4.1	08	4.1	11	4.8	09	4.9	11	3.5	10	4.0	12	5.0	4.7
17	10	4.2	11	4.4	12	4.7	11	4.6	09	6.0	08	5.5	12	4.9	09	4.1	09	4.8	09	4.8	08	4.8	09	4.8	10	3.5	11	3.9	12	4.3	4.3
18	10	3.5	11	4.2	13	4.3	11	3.2	08	4.4	09	4.4	10	4.1	10	3.6	10	3.0	09	4.1	11	4.3	09	4.4	09	2.7	12	2.2	14	3.5	3.4
19	11	2.0	11	5.1	15	3.0	11	3.1	08	3.9	09	3.5	10	4.4	09	4.2	10	3.0	09	3.2	10	2.3	11	3.5	11	2.2	12	2.2	14	1.8	3.0
20	11	2.0	10	4.7	11	2.5	10	3.6	10	3.0	09	3.6	10	4.1	09	3.2	10	2.6	10	4.5	10	2.5	10	1.9	10	1.9	12	2.2	14	2.1	2.9
21	11	1.4	10	4.3	11	2.1	10	3.7	08	3.6	10	2.2	09	4.1	09	3.0	10	2.2	09	4.9	11	1.9	10	3.8	10	1.3	10	1.8	14	1.3	2.8
22	11	1.9	11	3.9	10	2.2	10	3.4	08	3.9	10	3.4	09	4.3	09	2.8	10	2.4	09	4.7	11	2.1	09	3.3	10	2.2	15	2.0	14	1.8	2.8
23	11	1.8	10	3.7	11	3.0	10	2.7	08	5.5	10	2.4	10	4.3	10	2.6	11	2.6	10	2.8	11	2.0	09	2.1	10	1.6	14	1.9	14	1.4	2.6

TABLE XVIII. WIND FREQUENCY (NUMBER OF OBSERVATIONS), AUGUST, 1943.

Force (0 to 12)				Direction															
Hour	8 or Above	4 to 7	0 to 3	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	1	4	14	10		1							
9			31					8	12	11									
15			31				2	15	4	9				1					
21								7	13	10	1								
Total						1	3	34	43	40	1	1		1					

TABLE XIX. RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for AUGUST, 1943.

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
1h																					0.2		0.1								
2						0.2			0.3												0.6										
3									1.8		0.1	0.1									2.1		0.1								
4									1.3			0.2	0.9								0.8										
5									1.2				0.2										1.3				0.2				
6									0.2			0.4										0.2	2.3				0.1				
7					1.2				1.0		0.1											2.2	0.6								
8					0.1				2.2				0.1								0.2		0.2								
9											1.4										0.6		0.1								
10														0.2												0.8					
11					0.4	0.2		0.2			0.1			2.2		0.2												0.2			
Noon								0.3						0.6																	
13h					0.1						0.1																				
14					1.9			0.1			0.1										0.7	0.3		0.2							
15						0.1			0.3																						
16					2.1			0.9																							
17					0.7	0.3												0.3													
18						0.3												0.9													
19						0.1		0.1										1.5	0.1					0.1							
20					0.3	0.1		0.1				1.4																			
21		0.1			0.6			0.1																							
22					0.9	2.7		2.7														0.1									
23					1.8		0.4	3.0				0.3																			
24					0.2			0.2				0.8							0.6	0.5											

TABLE XIXb. RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for AUGUST, 1943.

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
1h								2.2	0.2				1.0						0.1	0.3	2.5										
2																				0.6	1.1		0.2				0.6				
3											0.6							0.3	0.4		0.5	0.7	5.2					0.1			
4					0.1			0.5	0.7			1.2	0.1					0.3	0.7		0.4		1.2							0.3	
5		0.4	1.0						0.5			0.4						0.4	1.0			1.3	1.2					1.0			
6					0.1			0.4	5.0			0.4	0.2					0.1	0.3				1.0					0.5			
7					0.5																		0.6					0.5			
8					0.6				0.6													1.2	0.7					0.4	0.1		
9					0.6						0.4											0.5	0.1								
10																							0.3						0.1		
11					0.4		0.4		0.3									0.3													
Noon					0.1			0.6								0.3		0.3				0.1									
13h					3.1			0.1			0.7							0.6			0.5			0.2							
14					0.5	0.5		0.2	1.9				0.1					1.0			2.0		0.3								
15					1.3	0.2		0.9	0.3									0.8			0.3	0.1	0.9								
16	0.3				1.9	0.5		0.2	2.1									1.6			0.2	0.5	0.7								
17	0.1				0.9			0.3										1.7				0.3	0.2								
18					0.5	0.5		0.5			1.4						0.7	0.4	0.1	0.3		0.1									
19					1.9	0.7		1.2			0.3	0.1						0.5				0.2		0.2							
20					2.0	0.1		1.5	0.2		0.4	1.9					0.3	0.6	0.9			0.2								0.3	
21				0.1	2.0	0.6		4.6			0.1	2.5					0.4	0.5	0.3							0.2					
22					0.6	0.8		0.5				0.6					0.5	0.5	2.0			1.1									
23								1.0			0.2	0.2					1.2	0.7	0.4	0.7		0.7		0.1							
24					0.4			1.8				0.9						1.0								0.1					

TABLE XVI:- TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS according to RIVER SYSTEMS indicated on the CHART for AUGUST, 1943.

RIVER SYSTEM.	STATIONS	Approximate Altitude in feet.	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Sèche	20	4.52	114.8	2.40	...
	St. Antoine	50	2.72	69.0	2.12	...
	Bel Mont	50	....	....	2.06	...
	Poudre d'Or	20	....	....	2.06	...
	Mon Loisir (S.E.)	300	3.37	85.6	2.78	11
	Forbach	300	2.55	64.8	2.29	8
	Couroupa	...	....	....	3.67	...
	Labourdonnais	290	2.83	72.0	2.76	9
	Mapou Water Office	...	....	No Record	....	...
	Beau Séjour	300	3.27	83.1	3.65	10
	Mont Piton	650	3.77	95.8	3.70	10
	Mon Choix	700	2.64	67.1	3.11	9
	Antoinette	640	4.31	109.5	3.59	13
	Mon Songe	620	4.88	124.0	3.97	14
	Botanical Gardens	325	3.01	76.6	2.98	22
	The Observatory	179	2.39	60.7	2.25	21
	Solitude	175	1.37	34.8	1.71	4
	St. André-Cour	90	....	....	1.97	...
	La Nicolière	...	6.03	153.2	4.48	19
	California	...	7.03	178.6	3.74	13
	Australia	...	6.28	159.5	....	...
2 & 3	Union Régnard Flacq (S.E.)	600	3.96	100.6	3.69	14
	Constance La Gaite	100	4.64	117.9	3.27	16
	Rich Fund	600	4.14	105.2	5.45	16
	La Joffrette	...	3.80	96.5	....	13
	Belle Vau Allendy	...	3.69	93.7	4.32	16
4	Sans Souci	900	15.52	394.2	9.17	25
	Beau Champ G.R.S.E.	20	3.83	97.3	3.64	21
	Olivia	400	6.01	152.7	6.01	21
	Trois Ilots	...	4.04	102.6	....	19
	Belle Rive	400	7.86	199.4	8.83	25
	Sébastopol	700	....	....	....	...
	Bonne Veine	400	9.14	232.2	8.48	24
5	Rose Belle	850	11.34	288.0	9.76	27
	New Grove	650	8.36	212.3	....	20
	Mon Trésor	...	9.54	242.3	....	14
	Mon Désert (Carié)	75	4.30	109.2	3.33	16
	Ferney	20	....	....	4.75	...
	Sauve Terre	...	3.63	92.2	....	17
	Tivoli	1300	8.73	221.7	10.96	22
	La Flora	1050	10.39	263.9	9.84	24
	Riche Bois Brittannia	650	6.68	169.7	5.75	23
	Britannia Estate	700	8.18	207.8	6.39	23
6	Savannah Mill	200	3.40	86.4	4.08	15
	St. Aubin	300	3.61	91.7	4.30	20
	St. Avold	900	9.79	248.7	7.80	24
	Colmar	400	6.73	170.9	5.23	20
	Union S.E.	...	4.72	119.9	4.44	...
	Fontenelle	320	4.30	109.2	4.75	...
	Choisy	200	3.57	90.7	3.30	11
	Beau Bois	...	7.85	199.4	5.69	23
	Bel Air	...	5.57	141.5	3.68	15
	St. Félix	...	5.80	147.3	....	11
	Bel Ombre	...	2.96	75.2	3.48	21
7,8,9 & 10	Beau Champ B Du Cap.	40	3.66	93.0	3.54	17
	Frédérica	70	3.79	96.3	....	15
	Pierre Fonda	...	1.30	33.0	2.38	16
	St. Marie	...	3.88	98.6	....	16
	Hussonia	...	....	....	....	...
11	Curepipe Gardens	1840	9.59	243.6	8.09	23
	Mare aux Vacoas G.E.	1850	11.52	292.6	10.68	26
	Mare aux Vacoas Arnaud	1830	12.98	329.7	11.40	28
	La Marie Filter Beds	1700	8.32	211.3	6.82	25
	Sophie	....	....	No Record	....	...
	Réunion	1420	5.45	138.4	5.15	16
	Aerological Station	1390	4.77	121.2	5.40	26
	Phoenix	...	5.13	130.3	4.35	7
	Quatre Bornes	...	2.27	57.7	....	13
12	Quatre Bornes Board	1090	2.31	58.7	....	10
	Dept. of Agr. Réduit	1000	2.81	71.4	2.55	26
	Alma	1460	8.15	207.0	6.39	24
	Bagatelle	1250	5.71	145.0	4.08	14
	Highlands	1300	4.60	116.8	5.08	14
	Trianon	950	2.76	70.1	2.80	13
	Val Ory	1100	....	....	12.75	...
	Bassin	...	1.58	40.1	3.00	6
	Hermitage	1450	9.96	253.0	9.64	14
	Ebene	...	2.93	74.4	....	16
	Bégà	...	2.48	62.7	....	16
	Mon Rêve	...	3.82	97.0	....	16
	Mont Pévril	...	3.02	76.7	....	16
	Minissy	1150	4.30	109.2	3.25	16
	Plaisance	...	....	....	....	...
	La Ferme	350	0.54	13.7	1.25	8
13	Line Barracks	...	1.01	25.7	....	14
	Richelieu Tobacco Res. Station	...	0.67	17.1	....	9

TABLE XV.—PILOT BALLOON OBSERVATIONS FOR THE MONTH OF AUGUST 1913.

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,500 metres		2,000 metres		2,500 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.
1	8.25	146	6.6	...	...	129	8.6	128	9.6	129	8.8	092	5.2	140	7.3	173	8.6	174	10.6	...	...	...	...
2	8.07	...	...	...	...	116	7.1	117	6.7	116	8.3	119	8.4	139	3.5	143	6.9	165	12.2	...	...	...	...
3	8.20	...	...	...	...	135	11.7	124	7.6	090	2.9	121	0.8	149	4.9	139	8.8	...	...	...	...	...	...
4	8.15	...	...	...	...	121	9.1	115	7.1	097	5.8	075	3.2	106	4.5	176	3.8	189	3.8	185	5.7	190	4.3
5	8.31	...	...	...	...	117	13.1	114	12.0	111	9.6	102	8.4	093	10.0	095	7.3	095	4.0	...	...	...	...
6	8.23	...	...	...	...	117	13.8	104	14.9	089	13.0	090	16.2	...	...	...	...	...	...	...	...	...	...
7	9.11	...	...	...	...	109	7.6	100	8.3	099	8.5	106	6.9	119	3.9	147	7.0	212	5.2	251	2.4	...	...
8	8.04	...	...	...	...	114	13.0	111	11.1	106	8.7	086	6.6	054	3.5	076	6.1	094	9.8	101	5.2	029	2.1
9	8.30	...	...	...	...	089	11.3	082	12.3	075	11.3	070	10.4	058	7.0	087	9.1	089	6.0	...	...	...	...
10	8.26	...	...	...	...	110	12.8	106	12.4	102	12.2	...	...	...	...	...	...	...	...	...	...	...	...
11	8.14	...	...	...	...	092	11.6	087	14.9	083	15.4	083	12.5	084	12.6	...	...	...	...	...	...	...	...
12	8.16	...	...	...	...	093	13.3	092	12.4	090	10.5	083	8.7	051	6.5	066	12.4	073	5.9	070	12.8	070	8.2
13	8.27	...	...	...	...	088	9.5	098	11.6	098	11.7	068	8.9	071	11.3	...	...	...	...	...	...	...	...
14	8.23	...	...	...	...	092	9.2	094	7.2	109	5.6	135	2.0	293	0.5	...	...	...	...	...	...	...	...
15	8.38	...	...	...	...	103	5.7	103	5.3	102	5.4	083	6.5	106	6.0	152	6.0	...	...	...	...	...	...
16	8.20	...	...	...	...	107	7.5	110	8.1	112	7.7	126	4.8	146	5.3	152	10.8	179	4.9	262	4.6	262	4.3
17	8.22	...	...	...	...	102	9.9	103	10.2	107	10.9	109	10.4	113	8.8	...	...	...	...	...	...	...	...
18	8.43	...	...	...	...	115	11.3	119	13.2	120	13.2	116	7.4	118	5.5	...	...	...	...	...	...	...	...
19	8.51	...	...	...	...	132	13.3	133	10.0	121	8.7	197	3.7	190	2.0	119	1.9	172	7.2	182	6.1	220	8.4
20	8.31	...	...	...	...	130	15.1	120	6.6	094	4.3	106	5.3	111	6.0	115	10.0	...	...	...	...	...	...
21	8.32	...	...	...	...	089	15.8	086	15.6	081	14.5	073	12.3	072	13.4	066	5.8	080	13.2	...	...	...	...
22	8.18	...	...	...	...	100	9.5	091	12.4	083	12.1	085	9.9	077	8.4	078	6.7	...	...	...	...	...	...
23	8.50	...	...	...	...	098	16.6	089	17.4	085	14.5	058	6.4	...	...	...	...	...	...	...	...	...	...
24	8.10	...	...	...	...	099	12.0	095	12.6	103	11.8	120	9.6	...	...	...	...	...	...	...	...	...	...
25	8.12	...	...	...	...	118	12.3	117	12.6	142	7.1	191	5.9	217	10.0	217	4.0	036	4.6	049	6.1	103	2.8
26	8.18	...	...	...	...	117	10.1	110	9.0	093	7.7	068	7.6	085	8.6	...	...	...	...	...	...	...	...
27	8.36	...	...	...	...	113	11.6	108	13.2	104	11.5	073	2.4	117	6.7	155	1.4	170	5.7	210	7.1	181	6.4
28	8.15	...	...	...	...	106	10.8	093	10.6	083	10.3	084	7.9	...	...	...	...	...	...	...	...	...	...
29	8.15	...	...	...	...	091	8.1	084	8.3	080	9.5	061	5.1	079	4.3	092	5.5	124	3.9	...	...	...	...
30	8.20	...	...	...	...	119	7.5	115	8.8	119	8.2	116	6.2	...	...	...	...	...	...	...	...	...	...
31	8.30	...	...	...	...	136	8.2	143	9.5	148	8.4	153	8.8	...	...	...	...	...	...	...	...	...	...

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20° 5' 39" S -LONGITUDE 3h 50m 12.6s E.)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

SEPTEMBER, 1943.

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

DIRECTOR

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WEATHER BUREAU

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1950.

TABLE I.--RESULTS OF MAGNETICAL OBSERVATIONS made during the month of SEPTEMBER, 1943.

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	Daily Range ≠ Vertical Force
				Unit 1 γ		
SEPT.	° ′					
1	14° 31.8	.22354	.30033	4.5	67	15
2	32.6	359	031	7.5	59	30
3	32.6	364	031	4.7	81	27
4	32.6	372	031	3.8	45	12
5	31.9	381	025	6.0	31	30
6	32.7	387	025	4.7	25	26
7	....	401	026	...	27	29
8	....	400	022	...	57	20
9	32.6	388	023	8.0	58	20
10	32.5	382	024	7.0	59	18
11	33.2	390	017	7.5	44	42
12	33.4	393	019	5.5	53	38
13	....	...	024	...	..	29
14	....	...	017	...	..	46
15	....	...	016	...	..	45
16	....	...	...	...	..	..
17	32.3	405	...	7.2	28	..
18	32.8	404	018	6.0	23	23
19	32.0	403	021	6.0	38	28
20	32.8	416	017	7.3	27	40
21	33.1	410	021	5.0	56	17
22	32.7	403	019	5.0	41	35
23	32.7	404	019	5.0	22	38
24	33.1	415	019	7.3	39	36
25	32.9	417	022	5.5	77	13
26	32.6	396	023	6.0	91	30
27	32.3	399	...	6.7	64	..
28	32.8	383	...	6.0	75	..
29	32.9	363	035	6.5	44	30
30	32.7	381	038	5.0	52	22
Mean	14° 32.69′	.22391	.30024	5.99	49.3	28.4

T = .37455: Mean Dip = 53° 17′.13: (X = .21673: Y = -.05623: Z = .30024)

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

Description of the Principal Magnetic Disturbances.

HORIZONTAL FORCE.

1d	Very moderately disturbed - after effects of previous disturbance. Minor occasional waves on trace.
2d, 3d, and 4d	Slightly disturbed - Mainly irregular features of minor character.
5d	Very slightly disturbed in parts.
8d	Very moderately disturbed at end: commencement of a very moderately disturbed period. Positive waves of (30γ) to (50γ) occasionally in the trace.
9d, 10d and 11d	Very moderately disturbed - Minor irregular features throughout.
12d	Slightly disturbed in parts.
13d and 14d	Slightly disturbed in parts.
21d, 22d and 23d	Slightly disturbed.
25d	Short disturbance between 8h and 12h - rapid change of (40γ).
26d	Disturbed during second half. Important decrease in force culminating at 18h 45m.
27d	Moderately disturbed in parts.
28d	Moderately disturbed - Mainly irregular features.
29d	Disturbed: large positive waves of (50γ) between 1h and 2h. Frequent sharp waves (40γ) between 15h and 24h.
30d	Very moderately disturbed.

TABLE II.--RESULTS OF ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the month of SEPTEMBER, 1943.

Declination (West)				Horizontal Force				Dip (South)				Resulting
Day and Hour			Observed Value	Day and Hour			Observed Value	Day and Hour			Observed Value	Vertical Force
d	h	m	° ′	d	h	m		d	h	m	° ′	
10	14	45	14.32.5	2	12	34	.22366	10	14	55	53.19.56	.30011
17	14	01	14.28.7	8	9	11	.22412	17	14	10	53.15.37	.30000
24	14	29	14.31.0	18	14	12	.22403	24	14	40	53.13.87	.30004
				20	11	23	.22422					
				23	11	20	.22411					
				27	11	24	.22425					
				30	9	08	.22386					

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

SEPTEMBER, 1943

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	31.0	33.5	34.0	34.0	33.0	34.0	33.5	----	34.3	34.0	34.0	33.7	34.0	----	----	----	Midnight
1h	32.0	33.0	34.3	34.0	33.3	32.5	33.5		34.0	32.0	33.5	33.5	33.5				1h
2	33.5	33.3	34.0	30.7	32.7	32.5	33.3		33.5	30.7	31.0	33.0	33.0				2
3	32.5	33.0	33.0	31.5	32.7	32.0	33.3		33.5	32.2	32.0	33.0	33.3				3
4	32.5	31.7	33.5	32.5	32.5	32.0	33.3		33.0	32.0	33.3	32.5	33.0				4
5	30.7	32.0	33.5	32.7	32.3	31.7	33.0		37.0	29.0	32.0	31.7	32.5				5
6	31.0	31.7	32.0	31.5	30.5	31.5	32.5		31.0	30.0	30.0	32.0	30.7				6
7	30.0	29.0	30.0	31.0	29.0	31.5	31.5		30.0	29.5	29.5	31.7	28.0				7
8	30.0	30.0	30.0	32.0	30.0	32.0	32.0		29.5	30.5	30.5	32.7	30.0				8
9	30.7	33.5	30.7	33.5	31.0	33.0	33.7		29.0	32.3	33.5	34.0	32.3				9
10	30.7	34.7	32.0	33.5	33.5	33.7	34.5	34.2	30.7	33.5	35.5	36.5	34.5	35.3	36.0	36.5	10
11	31.0	36.0	33.5	32.7	33.5	35.0		34.5	32.5	35.0	37.0	37.0		35.0	36.0	36.5	11
Noon	30.5	34.5	33.0	32.0	33.0	34.6		33.5	32.5	36.0	36.5	36.3		33.0	34.5	35.0	Noon
13h	31.5	33.0	32.0	32.7	31.5	33.3		33.0	32.0	36.0	35.5	34.0		30.0	32.0	33.0	13h
14	30.3	31.0	30.0	33.3	30.0	32.3		32.0	30.7	34.0	33.5	32.3		29.5	31.5	31.0	14
15	30.5	29.3	30.0	31.0	28.0	31.3		30.7	31.0	33.0	32.5	31.5		30.0	30.7	29.7	15
16	30.7	30.0	30.0	31.0	28.0	30.3		30.3	31.5	32.0	32.5	32.0		31.5	30.7	30.0	16
17	32.0	31.0	32.5	33.3	29.5	31.0		31.5	32.3	31.5	32.5	32.7				32.0	17
18	33.0	33.0	33.0	33.0	32.7	32.7		32.5	33.5	30.7	33.5	33.0				33.5	18
19	33.5	32.0	33.7	33.5	33.0	33.5		33.0	33.7	31.0	33.5	33.0				34.0	19
20	33.5	33.0	34.0	33.0	34.0	33.5		33.0	33.5	34.0	34.0	33.3				36.0	20
21	34.5	33.5	34.7	34.5	34.0	34.0		33.3	33.7	34.5	34.3	33.5				34.5	21
22	33.5	34.0	34.0	34.0	34.0	33.7		38.5	34.0	34.0	34.0	36.0				33.5	22
23	33.0	36.5	34.5	32.5	34.0	33.5		34.5	35.0	33.7	33.5	33.5				33.5	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.		Mean	Day \ Hour
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	33.5	33.5	33.0	32.7	33.0	34.3	33.5	33.0	33.0	32.7	34.7	34.0	34.3	33.5		33.5	Midnight
1h	32.7	33.3	32.7	32.7	32.7	33.5	33.7	32.7	32.7	33.0	32.7	33.5	34.3	34.0		33.2	1h
2	32.5	33.5	31.0	32.5	33.0	33.5	33.5	32.7	32.7	33.0	32.7	32.0	31.5	33.0		32.6	2
3	32.0	31.5	32.5	32.3	33.0	33.0	33.0	32.5	33.0	33.0	33.0	33.0	31.0	31.5		32.5	3
4	32.0	32.5	33.0	32.3	32.0	32.0	33.0	32.0	33.5	33.0	33.5	32.0	31.5	32.0		32.5	4
5	32.0	32.7	32.7	32.7	32.5	32.0	32.7	32.7	33.5	33.0	32.0	31.0	34.0	33.5		32.5	5
6	31.0	32.3	32.5	32.7	30.5	30.7	31.0	32.3	33.0	33.0	31.5	31.0	34.0	32.0		31.6	6
7	30.5	32.0	32.0	32.0	32.0	31.0	31.5	32.0	32.7	32.0	30.7	31.0	34.7	32.0		31.1	7
8	30.7	33.0	33.0	32.7	34.0	32.0	32.5	34.0	33.5	32.5	31.3	31.0	35.0	31.0		31.8	8
9	31.5	34.3	33.7	34.5	35.0	34.3	34.3	35.5	36.0	33.5	32.0	30.3	34.0	31.5		33.0	9
10	34.5	35.0	34.0	36.5	35.3	33.5	34.0	36.5	36.0	34.0	34.0	32.0	34.0	31.7		34.0	10
11	35.5	35.5	33.5	37.0	35.0	33.5	34.7	38.0	34.7	33.7	34.7	33.3	33.5	33.0		34.5	11
Noon	35.0	34.3	32.0	35.0	34.0	33.0	33.5	36.5	33.0	33.0	33.0	33.0	31.5	33.3		33.7	Noon
13h	32.0	33.5	29.5	33.0	33.0	31.0	31.0	32.5	32.0	30.5	30.5	30.0	30.3	32.0		32.2	13h
14	29.0	32.0	28.0	30.0	31.5	30.3	29.7	30.7	31.0	29.5	28.0	30.0	29.0	32.0		30.8	14
15	28.3	30.0	28.3	29.7	31.0	30.0	30.0	30.7	31.0	28.7	29.5	32.0	29.7	31.0		30.3	15
16	29.5	29.5	29.3	30.0	31.5	30.0	30.7	31.5	30.5	28.5	31.0	32.0	31.0	31.0		30.6	16
17	31.5	31.0	31.0	31.5	31.7	32.0	32.0	32.0	31.3	30.7	32.0	36.0	31.5	31.0		31.8	17
18	33.5	32.7	32.5	32.5	32.0	34.0	32.7	32.5	32.0	32.0	32.7	34.3	32.0	33.5		32.8	18
19	33.5	33.0	33.0	33.0	33.5	34.3	33.3	32.7	32.7	34.0	33.5	34.7	33.5	34.0		33.3	19
20	33.5	33.0	33.0	33.0	33.5	34.0	33.5	32.7	32.5	33.7	33.0	34.5	34.0	35.7		33.6	20
21	33.5	33.0	33.0	33.0	34.3	35.0	34.0	32.7	33.3	34.5	33.3	36.0	35.0	34.5		34.0	21
22	33.3	33.0	33.0	33.3	34.0	34.0	33.3	32.7	33.0	34.5	34.3	36.0	35.0	36.0		34.0	22
23	33.0	33.3	33.0	33.0	35.5	33.7	33.3	32.7	32.7	34.5	31.5	34.3	35.5	32.0		33.7	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, 1943.

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	369	356	358	366	379	385	389	396	378	370	381	385	383				Midnight
1h	350	360	361	363	375	388	389	391	382	389	380	400	381				1h
2	344	354	374	390	375	387	391	395	403	401	400	407	390				2
3	357	368	388	391	377	389	395	398	399	402	400	391	390				3
4	353	375	389	386	377	385	398	401	401	397	394	393	395				4
5	357	378	382	385	381	385	398	409	407	393	390	394	390				5
6	367	380	386	381	387	389	401	410	405	390	390	386	394				6
7	364	379	395	381	381	393	409	414	416	391	396	390	379				7
8	380	385	383	382	390	392	416	418	419	392	389	399	392				8
9	387	380	395	372	388	390	416	418	409	393	398	400	401				9
10	375	378	380	358	386	386	414	415	409	400	410	399		397	394	412	10
11	375	374	376	378	390	391	411	412	405	401	408	403		406	393	414	11
Noon	380	370	374	385	396	400	411	411	402	409	401	411		413	403	410	Noon
13h	358	355	361	371	395	403	412	404	384	395	405	419	404	421	407	409	13h
14	345	345	355	366	396	396	409	398	365	368	408	399		390	399	405	14
15	325	344	342	346	376	378	399	397	376	350	400	390		370	394	397	15
16	320	326	333	356	377	378	397	389	376	359	395	392		380	391	394	16
17	325	336	321	366	382	380	394	390	378	368	373	390				400	17
18	323	330	314	356	385	382	390	397	373	372	366	388				400	18
19	337	345	324	372	377	382	393	399	361	362	373	388				395	19
20	349	351	353	368	371	383	394	399	372	353	374	387				390	20
21	334	345	362	360	365	380	397	384	366	366	366	377				396	21
22	360	347	367	366	370	386	395	361	369	373	380	366				398	22
23	365	355	358	382	371	390	398	376	368	375	380	389				399	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	412	402	402	402	415	403	403	404	407	404	369	398	372	379	...	388	Midnight
1h	419	403	405	404	413	395	400	410	419	410	410	403	386	373	...	391	1h
2	410	394	422	408	418	397	399	413	420	410	410	424	422	383	...	399	2
3	410	410	419	413	415	406	403	408	427	411	408	410	397	394	...	399	3
4	416	410	408	410	424	409	405	405	428	414	403	414	398	388	...	399	4
5	412	410	404	415	414	403	403	407	430	414	402	419	395	385	...	399	5
6	418	410	403	415	430	408	408	410	433	415	401	418	390	378	...	400	6
7	417	410	408	424	424	404	403	414	435	416	403	405	388	383	...	402	7
8	410	411	403	428	434	402	408	422	443	419	406	389	385	367	...	403	8
9	410	410	394	424	434	412	415	429	465	415	411	386	393	388	...	405	9
10	412	406	384	423	424	414	407	430	423	404	414	379	391	375	...	400	10
11	408	399	404	423	420	417	409	438	418	399	418	390	400	387	...	402	11
Noon	401	400	410	429	417	419	414	439	429	401	415	394	384	385	...	403	Noon
13h	402	398	407	423	420	420	417	430	421	413	407	385	352	385	...	398	13h
14	397	388	402	416	414	415	410	428	415	410	392	357	382	385	...	389	14
15	391	392	395	411	382	405	405	420	405	419	362	359	314	351	...	378	15
16	394	402	400	414	378	402	398	414	389	405	384	349	278	363	...	376	16
17	397	407	402	416	390	390	397	410	388	388	383	356	320	373	...	378	17
18	396	409	401	418	398	380	395	410	389	368	385	350	314	377	...	376	18
19	397	409	405	406	394	379	397	409	401	328	388	349	346	380	...	377	19
20	399	407	403	410	394	383	395	406	399	357	389	350	323	384	...	379	20
21	403	402	400	417	394	388	395	404	406	361	382	354	339	377	...	378	21
22	402	401	400	415	394	404	398	401	405	363	399	391	332	387	...	382	22
23	401	400	402	415	396	407	400	400	406	368	426	384	363	403	...	388	23

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

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

SEPTEMBER, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	.29000 + (C.G.S. Unit).																
Midnight	1034	1034	1033	1035	1030	1029	1034	1021	1023	1026	1024	1020	1020	1022	1017	1018	Midnight
1h	33	32	32	34	31	26	34	22	25	25	23	20	20	22	16	18	1h
2	36	31	30	28	30	27	34	22	17	20	18	17	20	22	16	17	2
3	32	29	24	27	28	26	34	22	20	23	21	18	21	21	16	15	3
4	31	26	26	29	28	26	33	22	22	22	24	19	20	20	15	16	4
5	31	27	26	28	27	26	33	21	17	20	22	21	22	21	18	17	5
6	32	26	25	26	25	24	31	19	22	22	22	23	22	22	19	17	6
7	30	26	22	26	23	24	29	18	13	23	22	25	23	24	20	20	7
8	26	31	27	33	29	29	34	23	17	30	24	28	32	30	27	26	8
9	26	42	34	38	36	32	38	30	24	34	30	32	36	36	33	34	9
10	30	43	43	36	36	34	32	33	32	33	27	36	38	29	32	36	10
11	32	41	42	38	32	32	30	33	33	32	24	29	29	16	27	30	11
Noon	33	33	34	31	24	26	24	24	27	24	14	16	23	00	19	14	Noon
13h	36	28	26	26	16	17	20	17	23	19	07	04	17	992	06	02	13h
14	36	23	20	28	13	13	16	13	19	17	992	01	12	90	988	997	14
15	33	13	16	34	06	10	09	13	22	16	88	998	09	96	90	1000	15
16	33	19	26	31	09	10	11	14	22	18	95	1003	17	1007	96	07	16
17	33	27	34	30	13	17	16	17	24	22	1007	09	21	13	1004	14	17
18	37	36	40	31	22	22	22	21	26	23	18	17	26	19	14	...	18
19	37	34	42	32	23	23	23	21	29	27	21	20	27	22	19	...	19
20	37	34	37	30	28	23	23	20	26	28	23	22	33	23	20	...	20
21	41	37	38	33	27	34	22	20	25	28	24	22	26	23	23	...	21
22	38	37	34	32	29	36	23	31	26	27	22	27	28	24	24	...	22
23	34	42	36	30	29	35	21	20	27	23	21	22	21	25	24	...	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Hour \ Day
	.29000 + (C.G.S. Unit).																
Midnight		1023	1022	1023	1019	1022	1020	1020	1020	1022	1031		1030	1036	...	1025	Midnight
1h		20	22	22	19	23	21	20	18	21	24		28	36	...	1025	1h
2		21	19	22	20	23	22	20	19	21	23		20	35	...	1023	2
3		11	19	21	20	23	22	22	19	22	24		24	32	...	1023	3
4		17	20	21	18	22	22	23	20	22	26		26	33	...	1023	4
5		17	20	21	19	23	22	23	20	23	25		29	35	...	1024	5
6		17	20	20	16	22	20	22	19	23	26		30	35	...	1023	6
7		17	20	18	19	22	23	22	19	23	27		33	37	...	1023	7
8		23	27	24	26	25	27	24	23	25	30		35	43	...	1028	8
9	1029	26	35	33	30	32	32	29	26	27	30		32	50	...	1033	9
10	33	28	39	37	30	30	32	34	23	27		1041	33	54	...	1034	10
11	33	29	33	34	26	24	27	32	22	24		41	32	51	...	1031	11
Noon	27	24	22	21	26	14	13	20	20	20		28	28	40	...	1023	Noon
13h	15	12	12	02	16	999	998	06	16	10		18	26	36	...	1015	13h
14	03	10	11	997	13	97	94	998	15	10		17	28	32	...	1011	14
15	04	07	13	1001	14	98	1004	1003	22	10		23	34	33	...	1011	15
16	12	06	12	01	20	1008	12	13	24	14		24	46	40	...	1016	16
17	16	10	15	03	18	18	17	17	26	20		36	44	37	...	1020	17
18	20	16	22	07	21	25	20	18	28	26		34	44	36	...	1025	18
19	21	16	21	14	21	23	21	19	27	40		36	42	38	...	1026	19
20	21	17	21	17	21	23	22	19	24	33		34	46	39	...	1026	20
21	21	18	22	17	21	24	22	20	26	32		37	47	38	...	1027	21
22	22	20	23	17	22	20	20	20	23	32		36	47	42	...	1028	22
23	22	21	23	13	24	20	20	20	22	30		28	50	30	...	1026	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, 1943.

Month and day 1943.	Observations at 10 a.m.									Temperature of the Air							Rainfall			
	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 recorded by the Casella Pluviograph.	Duration	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.	mins	hrs.	%
1	973.9	16.3	2.0	12.7	79	14.7	145	8.1	5	15.2	15.9	17.5	14.1	18.5	14.8	3.7	9.7	145	10.28	67
2	975.6	17.2	3.5	10.7	66	12.9	140	6.7	7	12.8	16.6	14.1	13.2	18.5	12.6	5.9	2.7	55	8.1	69
3	976.2	17.1	2.7	12.2	73	14.2	140	6.7	8	13.3	16.8	16.0	14.1	19.0	12.6	6.4	3.3	60	7.0	60
4	976.7	18.8	3.2	13.3	71	15.3	135	6.3	8	13.8	18.4	18.5	14.6	19.4	13.6	5.8	5.0	65	7.7	66
5	974.9	16.8	1.7	13.8	83	15.8	110	9.8	8	14.6	16.5	16.9	15.3	19.2	14.5	4.7	8.9	145	7.6	65
6	974.7	18.5	2.7	13.8	74	15.8	110	4.9	7	14.6	18.1	16.7	15.4	20.9	14.8	6.1	0.8	10	6.9	59
7	973.0	19.6	3.7	13.0	66	15.0	110	6.7	1	14.7	19.1	20.7	15.6	22.0	14.5	7.5	0.0	0	11.1	94
8	972.0	19.8	2.6	15.4	76	17.5	110	5.4	5	15.5	19.2	18.9	16.2	21.7	15.3	6.4	1.5	20	9.5	80
9	973.8	19.3	2.8	14.5	74	16.5	120	5.4	7	14.1	19.0	19.9	17.0	21.0	12.5	8.5	0.9	25	9.3	79
10	973.3	20.0	2.5	15.8	76	17.9	115	3.6	8	14.8	19.4	17.0	16.5	20.9	13.6	7.3	2.6	80	5.7	48
11	972.0	18.5	2.0	15.1	81	17.2	105	4.5	9	15.4	18.2	19.0	15.3	20.6	15.0	5.6	0.2	5	4.8	41
12	971.5	20.9	4.2	13.5	63	15.5	110	3.1	1	14.9	20.4	19.5	16.2	21.5	14.7	6.8	0.0	0	6.7	56
13	972.4	19.0	2.8	14.2	75	16.2	110	2.2	7	16.2	19.0	18.9	16.3	20.8	16.0	4.8	1.0	25	6.1	51
14	973.3	19.4	3.0	14.2	73	16.2	105	5.8	7	15.4	19.0	20.1	16.5	21.6	15.0	6.6	0.3	5	9.8	82
15	975.1	16.0	0.6	15.0	94	17.1	110	5.4	9	16.0	15.4	19.9	16.6	21.1	15.0	6.1	4.2	70	7.7	65
16	975.1	16.1	0.4	15.5	96	17.6	110	6.3	10	14.5	17.0	18.8	16.3	19.5	14.2	5.3	4.3	30	5.1	43
17	974.3	18.3	1.5	15.6	85	17.9	90	6.3	10	15.8	18.0	19.4	16.8	21.1	15.8	5.3	2.8	45	6.3	52
18	973.2	19.0	2.8	14.2	74	16.2	85	4.9	7	15.9	18.6	19.5	15.7	21.5	14.0	7.5	1.5	55	8.2	68
19	973.5	20.1	4.3	12.9	63	14.9	90	2.7	6	15.3	19.8	20.5	17.5	21.6	15.3	6.3	0.0	0	7.1	59
20	974.5	19.8	3.2	14.2	70	16.2	130	3.6	6	17.0	19.2	21.0	16.6	22.5	14.1	8.4	4.0	60	10.4	87
21	975.0	18.8	2.0	15.4	81	17.5	130	5.4	9	16.2	18.5	17.5	15.8	19.6	15.4	4.2	20.8	215	4.4	37
22	975.0	17.1	0.4	16.5	92	18.8	110	4.5	8	15.8	16.8	17.5	15.4	19.3	15.8	3.5	17.2	285	4.8	40
23	975.2	18.1	3.4	12.0	67	14.0	115	5.4	6	14.0	18.0	19.0	15.9	20.0	12.6	7.4	0.8	20	10.1	83
24	973.9	18.4	2.2	14.7	79	16.7	110	7.2	8	14.5	18.1	19.0	15.3	20.2	14.2	6.0	5.4	95	7.9	65
25	973.5	18.0	2.5	13.7	76	15.7	90	6.7	8	15.0	18.5	19.0	14.1	20.8	14.8	6.0	0.1	0	4.7	39
26	972.2	19.2	3.6	12.8	67	14.8	110	2.2	8	13.5	18.8	19.0	15.0	21.9	13.2	8.7	0.2	0	3.1	26
27	969.7	19.9	5.2	10.1	54	12.4	C	alm	1	13.2	19.4	21.1	14.3	21.8	12.8	9.0	0.0	0	6.6	54
28	969.6	20.6	3.6	14.4	68	16.4	C	alm	9	12.1	20.2	18.5	16.5	22.7	11.9	10.8	0.3	5	3.5	29
29	971.3	18.9	2.0	15.5	81	17.6	90	2.7	8	15.9	18.4	19.5	16.3	23.2	15.8	7.4	0.0	0	7.1	58
30	971.7	20.0	2.9	15.1	73	17.2	110	2.7	8	15.4	19.4	21.4	17.2	22.7	15.0	7.7	0.6	10	9.6	79
..	.....	....	...	....	..	....	...	...	.	....	...	....	....	....	....	....	...	..	...	..
Mean	973.5	18.6	2.6	14.0	74.8	16.0		4.8	7.0	14.8	18.3	18.8	15.7	20.8	14.3	6.5	99.1	1530	7.23	60.7
Average	971.6	19.6	2.4	15.6	77.6	17.7		4.8	6.4	....	....	....	....	21.5	15.0	6.5	90.7	...	6.97	58.5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+	42.6mbs.	Amount of Rain	-	74.1 mms.
Temperature of the air	+	3.8°C	Duration of Sunshine	+	20.9 hrs.
Vapour Pressure	+	1.2mbs.	Mean of Maximum Temperature	+	3.3°C
Relative Humidity	-	11.3%	Mean of Minimum Temperature	+	2.1°C
Velocity of Wind	+	0.7 m.p.s.	Absolute Maximum Temperature	+	2.7°C
Amount of cloud	-	1.1	Absolute Minimum Temperature	+	1.9°C

Greatest Rainfall Intensity 2.9 mms in 15 mins.

TABLE VIII:- DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER, 1943.

Month and Day 1943	Atmospheric Pressure		Temperature of the Air.					Excess of Air Temp. over Evaporation Temperature	Temperature of the Dew Point		Relative Humidity (Sat.= 100)		Vapour Pressure	Minimum on the Grass.	Rainfall		Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
	Mean	Excess above Average	Daily Maximum	Daily Minimum	Daily Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Dines Pluviograph	Duration		
Sept.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs.	°C	mms.	Min.	mms.	
1	1015.5	+ 1.1	22.1	13.8	8.3	18.6	- 1.7	3.2	13.0	- 2.6	70	- 5	15.0	9.5	2.8	100	2.8	4.6
2	1017.9	+ 3.6	22.6	14.8	7.8	18.1	- 2.2	3.7	11.3	- 4.3	64	-11	13.4	10.2	0.0	...	5.6	5.1
3	1018.6	+ 4.3	21.7	16.9	4.8	18.7	- 1.6	3.5	12.5	- 3.1	67	- 8	14.5	14.1	0.5	20	5.9	6.7
4	1018.8	+ 4.6	23.0	16.8	6.2	19.2	- 1.2	3.4	13.2	- 2.5	68	- 7	15.2	13.3	0.7	35	4.4	5.6
5	1017.1	+ 2.9	22.4	17.0	6.4	19.0	- 1.4	2.2	15.3	- 0.4	79	+ 5	17.4	13.8	1.0	30	3.9	4.4
6	1015.9	+ 1.8	23.7	15.9	7.8	19.6	- 0.8	2.9	14.7	- 1.0	73	- 1	16.7	12.4	1.2	40	4.5	3.8
7	1014.0	- 0.1	25.6	15.8	9.8	20.2	- 0.3	3.8	13.6	- 2.1	66	- 8	15.6	11.5	0.0	...	4.9	1.5
8	1013.5	- 0.5	24.8	14.3	10.5	19.5	- 1.0	2.7	14.9	- 0.8	74	[illegible]	16.9	10.0	0.0	...	5.1	1.7
9	1015.2	+ 1.2	24.4	13.9	10.5	19.8	- 0.7	2.9	14.9	- 0.8	73	- 1	16.9	9.1	0.0	...	6.0	3.6
10	1014.5	+ 0.6	24.1	15.6	8.5	19.5	- 1.0	1.9	16.3	+ 0.6	81	+ 7	18.5	10.2	1.0	45	5.0	6.3
11	1012.9	- 0.9	23.7	17.5	6.2	20.1	- 0.5	2.9	15.2	- 0.6	74	0	17.3	13.3	0.0	...	3.0	4.3
12	1012.8	- 0.9	24.7	16.8	7.9	20.4	- 0.2	2.7	15.9	+ 0.1	75	+ 1	18.1	12.6	0.0	...	4.1	3.4
13	1014.2	+ 0.5	24.2	17.0	7.2	20.4	- 0.2	2.2	16.8	+ 1.0	80	+ 6	19.1	13.4	3.4	45	5.2	6.1
14	1015.6	+ 1.9	24.4	16.4	8.0	20.1	- 0.6	2.7	15.6	- 0.3	75	+ 1	17.7	12.8	0.2	10	5.0	3.6
15	1016.7	+ 3.1	23.9	17.9	6.0	20.1	- 0.6	2.6	15.8	- 0.1	76	+ 3	17.9	15.0	2.9	85	4.9	5.9
16	1016.7	+ 3.1	22.7	17.3	5.4	20.1	- 0.7	2.6	15.8	- 0.2	76	+ 3	17.9	15.8	1.5	50	5.1	6.8
17	1015.4	+ 1.9	24.8	18.0	6.8	20.8	0.0	2.6	16.5	+ 0.5	76	+ 3	18.8	15.4	3.1	65	3.6	6.0
18	1014.8	+ 1.3	24.3	17.0	7.3	20.6	- 0.2	3.0	15.6	- 0.2	73	0	17.7	14.9	2.1	55	6.7	6.9
19	1015.5	+ 2.0	24.8	17.4	7.4	20.8	- 0.1	3.0	14.8	- 1.1	68	- 5	16.8	13.7	0.6	45	5.2	7.3
20	1016.2	+ 2.8	25.8	17.0	8.8	21.3	+ 0.4	3.9	14.7	- 1.2	66	- 7	16.7	13.9	0.0	...	7.0	4.2
21	1016.9	+ 3.5	23.8	18.2	5.6	20.3	- 0.7	2.3	16.5	+ 0.5	79	+ 6	18.8	14.2	1.2	10	6.4	6.3
22	1016.7	+ 3.3	24.0	18.5	5.5	20.0	- 1.0	2.2	16.4	+ 0.4	80	+ 7	18.7	15.4	0.0	...	4.5	5.4
23	1016.8	+ 3.4	23.8	16.2	7.6	20.1	- 0.9	3.7	13.7	- 2.3	67	- 6	15.7	10.2	0.0	...	4.2	4.0
24	1015.2	+ 1.9	24.0	17.3	6.7	19.8	- 1.3	2.8	15.1	- 0.9	76	+ 3	17.2	14.7	1.5	30	6.4	7.9
25	1014.9	+ 1.7	24.0	16.0	8.0	20.1	- 1.0	3.6	13.9	- 2.1	68	- 5	15.9	10.4	0.0	...	6.8	6.9
26	1012.9	- 0.3	25.0	17.0	8.0	19.9	- 1.3	3.0	14.8	- 1.3	72	- 1	16.8	11.4	0.0	...	5.1	7.0
27	1010.6	- 2.5	24.6	14.6	10.0	19.4	- 1.8	3.1	14.0	- 2.1	71	- 2	16.0	9.8	0.0	...	4.8	4.7
28	1011.2	- 1.8	25.9	14.2	11.7	19.6	- 1.7	2.0	16.3	+ 0.1	81	+ 8	18.5	11.0	0.3	20	4.0	6.9
29	1012.7	- 0.2	25.5	17.6	7.9	20.5	- 0.8	2.2	16.9	+ 0.7	80	+ 7	19.2	13.2	0.9	25	3.1	4.5
30	1013.1	+ 0.2	25.4	16.5	8.9	20.8	- 0.6	2.7	16.3	0.0	75	+ 2	18.5	11.6	0.1	5	5.6	3.1
Mean	1015.1	+ 1.5	24.1	16.4	7.7	19.9	- 0.9	2.9	15.0	- 0.9	73.3	-0.2	17.1	12.9	Sum 25.0	Sum 715	5.0	5.2
Aver-	1013.6	...	25.1	17.0	8.1	20.8	...	3.0	15.9	...	73.5	...	17.9	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, 1943.

The influence of a distant southerly low was felt on the 27th-28th, otherwise anticyclonic conditions prevailed. Pressure was 1.5 mbs, above normal. Temperature was 0.9 °C below, being above on one day only. Rainfall was only 71% of the average but was quite well distributed. The other elements were about normal.

TABLE VII (Ctd.):- DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER, 1943.

Month and day 1943.	Duration of Bright Sunshine	Percentage of Bright Sunshine	Observed Wind Velocity: Mean	Observed Wind Velocity: Excess above Average	Temperature of the Soil: 10 Feet	5 Feet	2 Feet	12 inches	Weather 0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	24h.
Sept.	hrs.		m.p.s.	m.p.s.	°C	°C	°C	°C									
1	8.8	5	7	+ 1.7	24.1	23.0	22.4	21.8	Or	Oro		Cq.	bcq	bc		b	
2	8.6	74	4.5	+ 0.5	24.1	23.1	22.4	21.5		b		bc	bcq	bc		c	
3	6.1	52	5.1	+ 1.1	24.0	23.0	22.3	21.3	C	cq		bcq	cqdo	bcq	c		Croro
4	8.0	70	5.0	+ 1.0	24.0	23.0	22.2	21.1		bc		bcq		Cqr		Croro	bc
5	8.4	72	5.4	+ 1.4	24.0	22.8	22.1	21.1	bc		Croro		cqdo	bcq		b	
6	7.5	64	4.0	0.0	24.0	23.2	22.1	21.2		b		bc		C		bc	b
7	10.5	89	3.2	- 0.7	24.1	23.1	22.1	21.2			b			bc	b		bo
8	11.2	95	3.5	- 0.4	24.1	23.2	22.1	21.5		b			bcq		b		bo
9	9.7	82	3.8	- 0.1	24.0	23.1	22.1	21.6	b		bc			bcq			bc
10	5.2	44	3.4	- 0.4	24.0	23.1	22.1	21.5		b		bc	c	Croro	cdo	Odo	0
11	4.3	36	3.4	- 0.4	23.9	23.0	22.2	21.5	0	c		bc	c		bc	b	
12	9.0	76	3.5	- 0.3	23.9	23.1	22.2	21.6		b					bc		
13	9.3	78	3.4	0.4	23.9	23.1	22.2	21.9	Orr		c		bc		c	b	
14	10.1	85	4.2	+ 0.5	23.9	23.2	22.3	21.9	bc	Cro	bc		c			bc	
15	9.0	76	4.5	+ 0.8	23.8	23.1	22.4	21.9		c		Orr	cq	bcq		bc	
16	3.0	25	4.3	+ 0.6	23.8	23.3	22.5	22.0		c		Cro	Cr	Croro	Cr	c	bc
17	8.2	68	3.6	- 0.1	23.8	23.6	22.5	22.0		bc		c		Cro	c	bc	
18	9.7	81	3.6	- 0.1	23.8	23.3	22.5	22.3	Oro	c		bc	cq		c	bc	
19	7.9	66	3.1	- 0.6	23.8	23.1	22.4	22.3	c		bc	c	0		c	bc	c
20	11.2	93	3.4	- 0.3	23.8	23.1	22.6	22.8	c		bc	b			bc		
21	6.8	57	4.3	+ 0.6	23.8	23.2	22.7	22.9		bc			cq		Or	bc	
22	8.1	68	4.7	+ 1.0	23.8	23.1	22.9	22.9		bc		c	Croro		c	bc	
23	10.5	87	5.0	+ 1.3	23.7	23.1	22.9	22.2		b		bc	cq		bcq	b	
24	7.6	63	4.8	+ 1.2	23.7	23.0	22.9	22.4	c	Oro	0		Oq		c	bc	
25	6.5	54	3.9	+ 0.3	23.7	23.0	22.9	22.4	c	Cro	c		bcq		c	bc	
26	4.1	34	2.3	- 1.3	23.6	23.1	22.9	22.5	0	c		bc	c		bc	c	
27	8.0	66	1.9	- 1.7	23.6	23.1	22.9	22.4		bc		c	c		bc	b	
28	3.9	32	1.9	- 1.7	23.6	23.0	22.9	22.3	b		bc	c	c			Ororo	
29	5.5	46	2.4	- 1.2	23.6	23.1	22.9	22.4		bc	c		bc		c	b	
30	10.3	84	3.1	- 0.5	23.6	23.1	22.9	22.7		b					bc		
Mean	7.93	66.5	3.83	+ 0.06	23.84	23.11	22.48	21.97									
Aver-	7.98	66.9	3.77	....	24.59	23.71	22.68	22.86									
Col.	19	20	21	22	23	24	25	26	27								

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF SEPTEMBER, 1943.

Element	Highest	Date	Lowest	Date
Atmospheric Pressure	1020.0 mbs.	often	1008.8 mbs. at 16.00hrs.	on 27th.
Temperature of the Air	25.9 °C at 12.55 hrs.	on 28th	13.8 °C at 00.30 hrs.	on 1st.
Daily range of Temperature of the Air. ...	11.7 °C	on 28th	5.4 °C	on 5th & 16th
Temperature of the Dew Point ...	19.6 °C at 13.00 hrs.	on 10th	7.9 °C at 00.00 hrs.	on 3rd.
Daily range of temperature of the Dew Point		on		on
Minimum on Grass			9.1 °C	on 9th
Relative Humidity	98.0 % at 05.00 hrs.	on 1st	38.5 % at 15.00 hrs.	on 20th.
Vapour Pressure	22.8 mbs at 13.00 hrs	on 10th	10.7mbs at 00.00 hrs.	on 3rd.
Evaporation in 24 hours	7.0mms.	on 20th	2.8 mms.	on 1st.
Wind Velocity	10.8m.p.s.at 14.00hrs	on 1st	0.6m.p.s.at 03.00hrs.	on 8th.
Rainfall in 24 hours	4.9mms. ending 03.00hrs.	on 18th.		
Duration of sunshine	11.2 hrs.	on 8th & 20th	3.0 hrs.	on 16th.

Mean Day Temperature of Air 21.70 °C Average Mean Night Temperature of Air 18.12 °C Average.

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 & Over mms.	Lightning	Thunderstorms
...	4	18	8	...	7	11	...	...	...	...	...

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, 1943.

The intial 10 or 9 is omitted. The unit in the table is 0.1 milibar.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
Midnight	153	175	191	200	184	172	158	140	151	161	148	131	141	161	170	173	Midnight
1h	146	171	187	199	181	170	150	134	150	153	140	129	139	159	165	168	1h
2	144	170	181	193	175	164	146	130	149	151	134	122	138	155	160	160	2
3	140	169	180	190	170	160	141	126	146	150	130	119	132	151	160	153	3
4	140	170	176	190	164	159	141	126	146	150	129	119	130	146	154	153	4
5	141	171	179	190	163	160	143	128	150	150	130	121	130	146	159	161	5
6	149	174	182	191	166	161	144	129	153	151	131	125	132	149	160	165	6
7	152	181	190	193	170	168	149	132	160	152	135	129	139	151	170	170	7
8	156	189	195	196	172	170	150	140	163	156	140	134	141	155	176	171	8
9	160	190	198	199	179	171	151	141	166	156	140	139	149	160	178	181	9
10	160	190	196	200	180	170	150	141	162	152	139	137	150	160	177	182	10
11	158	187	190	195	176	165	146	136	159	149	132	131	145	159	175	180	11
Noon	152	180	186	188	170	158	140	128	150	140	129	127	143	153	170	170	Noon
13h	149	176	181	180	165	151	130	121	141	133	119	121	139	149	161	163	13h
14	145	171	176	173	160	146	125	121	139	130	111	118	135	143	156	161	14
15	144	169	173	171	156	143	121	120	139	126	110	112	130	141	153	159	15
16	146	167	171	171	158	143	123	120	140	127	113	116	131	142	155	158	16
17	151	171	173	173	163	145	126	125	142	129	117	119	135	148	158	157	17
18	157	172	180	180	168	150	131	131	150	131	121	122	140	152	161	160	18
19	161	180	187	184	173	151	137	140	154	136	129	129	145	163	170	164	19
20	170	186	193	189	178	158	140	148	160	142	132	134	152	170	178	170	20
21	174	191	198	192	181	161	143	154	162	151	133	140	160	176	181	172	21
22	177	193	200	191	181	161	143	158	166	152	132	141	161	176	180	175	22
23	178	192	200	189	178	160	141	156	162	150	132	142	160	172	178	176	23

The intial 10 or 9 is omitted. The unit in the table is 0.1 milibar.

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
Midnight	171	160	152	164	171	179	175	163	156	147	122	111	129	141	...	158	Midnight
1h	166	152	152	160	170	173	171	160	150	142	120	109	128	140	...	154	1h
2	164	150	151	159	167	171	170	154	150	133	113	106	121	138	...	151	2
3	159	144	150	152	161	165	169	150	146	131	110	101	120	131	...	147	3
4	156	141	147	151	161	161	169	150	145	131	106	101	120	130	...	145	4
5	156	146	149	157	163	163	170	151	149	132	107	103	120	130	...	147	5
6	159	149	150	161	167	168	171	156	153	140	110	108	120	131	...	150	6
7	161	151	152	164	170	171	175	160	160	141	111	111	128	137	...	154	7
8	165	155	160	170	175	174	179	162	162	147	114	117	139	141	...	159	8
9	170	158	160	171	180	179	180	161	161	149	118	120	140	141	...	162	9
10	169	155	160	171	180	175	179	161	160	148	113	119	139	140	...	161	10
11	161	151	158	168	178	171	175	157	159	140	109	114	131	131	...	156	11
Noon	151	146	153	161	170	161	168	151	150	130	100	111	122	125	...	149	Noon
13h	144	140	150	156	164	156	160	143	143	120	093	109	116	119	...	143	13h
14	141	132	143	150	159	151	155	140	138	115	091	104	111	112	...	138	14
15	132	130	143	150	157	146	150	134	132	109	089	101	111	110	...	135	15
16	131	131	144	150	157	150	150	134	132	110	088	101	114	111	...	136	16
17	134	133	150	153	161	151	154	140	136	110	090	104	120	118	...	140	17
18	140	141	155	160	161	160	160	145	141	112	093	110	123	121	...	144	18
19	146	149	161	166	170	166	164	151	148	120	101	117	130	131	...	151	19
20	152	157	165	170	176	171	170	158	150	120	109	122	138	139	...	157	20
21	159	159	170	173	181	180	174	161	150	129	113	130	142	144	...	161	21
22	160	159	170	174	181	181	171	160	150	127	111	130	143	147	...	162	22
23	160	157	169	171	180	180	170	160	148	127	110	130	143	146	...	161	23

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

SEPTEMBER, 1943.

Hour	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	..	Mean
Midnight	10	2	7	4	1	2	0	1	0	0	8	1	7	1	7	8	6	10	7	10	3	5	3	8	10	9	5	1	1	1	..	4.7
1h	10	2	8	4	1	2	0	1	1	0	9	1	7	1	8	8	6	0	7	10	3	5	2	9	10	9	4	1	1	1	..	4.8
2	10	2	8	5	1	2	0	1	0	0	9	2	9	1	9	8	6	0	7	10	6	5	2	9	10	9	4	1	1	1	..	5.1
3	10	2	8	6	1	2	0	1	1	0	8	2	10	1	10	8	6	10	7	10	4	3	1	10	8	9	4	1	1	1	..	4.9
4	10	3	8	2	3	2	0	4	1	1	3	1	9	1	10	10	6	10	8	10	4	3	2	10	7	8	4	4	0	0	..	4.9
5	8	5	7	4	6	3	1	1	4	1	4	1	9	9	8	1	2	8	4	5	6	5	3	10	8	8	3	9	0	0	..	5.1
6	6	5	7	6	8	3	1	1	5	1	3	1	10	4	6	1	7	8	4	2	5	4	4	10	10	7	3	8	1	1	..	4.9
7	7	5	7	7	8	5	2	1	5	1	3	1	9	4	6	1	8	6	5	2	5	4	4	10	8	5	3	6	1	1	..	4.9
8	7	5	7	5	9	8	2	1	4	6	2	1	7	7	8	4	8	5	5	3	7	5	3	9	5	5	3	5	2	2	..	5.2
9	6	3	7	5	9	5	3	2	4	9	2	2	4	8	6	10	9	4	7	4	8	6	4	9	6	7	4	5	4	4	..	5.6
10	5	4	7	6	8	6	3	2	3	9	4	3	5	8	9	9	8	6	7	2	9	8	6	8	7	5	7	6	4	4	..	5.9
11	4	5	8	8	10	7	2	1	3	8	9	6	7	7	6	9	8	7	7	2	10	10	8	8	8	5	7	7	5	5	..	6.5
Noon	3	5	8	6	8	9	2	1	3	8	9	6	8	5	5	8	6	8	7	2	9	8	6	6	7	6	9	7	6	6	..	6.1
13h	1	6	9	8	6	8	4	2	4	10	8	8	7	4	4	8	5	7	9	2	7	5	5	6	5	6	9	7	5	5	..	5.9
14	2	6	7	6	6	8	4	2	4	10	6	8	7	2	5	8	2	5	8	2	7	7	4	5	9	6	8	8	5	5	..	5.7
15	2	6	7	8	3	7	1	3	4	10	7	7	8	1	4	9	1	4	5	2	7	7	6	4	8	8	8	9	8	8	..	5.7
16	3	6	4	9	2	5	1	3	5	10	3	5	6	1	5	9	3	4	5	2	9	6	8	6	7	6	8	9	8	8	..	5.6
17	3	5	5	6	2	4	5	2	6	10	3	3	4	2	4	8	5	4	6	1	9	6	5	7	6	6	8	10	6	6	..	5.3
18	2	7	5	6	2	2	3	3	3	10	3	3	3	2	4	8	5	4	8	3	6	8	3	9	3	9	4	10	4	4	..	4.9
19	2	8	6	6	2	1	0	3	4	9	1	2	2	2	4	8	10	6	10	4	6	5	4	8	4	9	2	10	4	4	..	4.8
20	1	7	8	6	2	0	0	3	4	9	1	2	5	3	3	7	6	8	10	4	6	4	4	7	5	8	2	10	1	1	..	4.6
21	1	7	5	4	2	0	0	2	6	9	1	3	2	3	3	5	5	8	10	5	5	5	2	7	5	7	2	10	2	2	..	4.3
22	1	7	5	4	2	0	0	1	6	9	1	4	2	3	4	5	5	8	10	4	5	4	2	7	5	6	2	10	2	2	..	4.2
23	1	7	5	4	2	0	0	0	6	8	1	5	2	4	4	5	5	8	10	3	5	3	2	7	5	6	2	10	2	2	..	4.1

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

SEPTEMBER, 1943.

Hour ENDING \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	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
7	10	6	0	32	2	30	38	35	12	27	0	35	0	10	0	10	15	11	45	48	0	22	25	5	0	25	46	0	0	47	..	8.6
8	37	35	28	60	17	45	60	60	53	57	10	60	28	60	29	60	14	54	60	60	10	60	50	60	0	54	60	45	0	60	..	20.6
9	60	59	45	54	43	38	60	60	60	47	60	60	56	57	30	12	45	60	31	60	60	50	60	60	40	20	60	50	12	60	..	24.0
10	60	60	22	38	54	35	60	60	60	23	35	60	53	40	45	25	22	53	6	60	60	60	60	30	60	11	53	26	45	60	..	22.3
11	7	40	32	50	40	59	60	60	60	36	0	60	48	50	42	12	44	50	52	60	50	41	60	50	60	35	60	50	54	60	..	23.0
Noon	22	60	37	50	60	42	60	60	60	55	0	30	50	60	60	17	55	52	47	60	18	40	60	60	58	39	54	18	50	60	..	28.2
13	60	60	25	32	48	12	53	60	6	35	0	15	58	60	60	25	60	21	24	60	26	39	60	60	46	45	27	28	60	60	..	20.4
14	60	52	27	44	53	20	60	60	60	7	53	23	60	60	60	0	52	60	32	60	60	18	60	60	60	7	0	16	60	60	..	21.7
15	60	60	40	45	60	60	60	60	60	11	18	48	47	60	60	11	43	60	48	60	60	27	60	60	38	0	25	0	50	60	..	22.5
16	60	52	31	60	55	57	60	60	60	8	0	60	60	60	58	0	60	60	60	60	45	50	60	60	20	12	7	0	6	60	..	21.7
17	60	25	49	40	42	52	55	60	60	8	54	60	60	55	60	6	54	60	55	55	15	60	60	30	5	0	53	0	0	33	..	20.4
18	30	10	30	8	29	21	6	39	30	0	26	30	35	35	37	0	30	40	15	31	6	20	18	0	0	0	34	0	0	0	..	9.3
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	..	0

The Total Amount of Registered Sunshine was 237.8 hrs. and the Total possible Sunshine 357.8 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, 1943.

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	14.3	1.3	16.8	3.1	17.5	4.9	17.9	2.8	18.4	2.9	18.2	1.4	17.7	1.7	16.3	1.3	Mid-night
1h	14.7	1.2	15.2	1.7	17.7	4.4	18.0	3.2	18.5	2.7	18.0	1.8	17.5	1.6	15.2	1.1	1h
2	15.5	1.0	16.1	1.9	18.1	4.6	18.1	3.6	17.1	1.3	17.2	1.9	17.8	1.6	15.0	1.5	2
3	16.8	0.4	15.9	1.9	17.2	2.7	18.0	3.4	17.1	1.4	16.7	1.7	18.0	1.6	14.7	0.7	3
4	17.6	0.3	15.7	1.9	17.0	2.1	17.3	3.5	17.5	1.6	16.8	1.9	17.9	1.6	14.7	0.7	4
5	17.4	0.2	15.4	2.2	17.3	3.2	16.9	3.7	18.4	1.9	16.0	1.1	17.1	1.3	17.0	0.8	5
6	17.8	1.3	16.4	3.2	17.6	3.0	17.3	3.3	17.8	1.6	16.5	1.2	17.0	1.6	16.3	0.3	6
7	18.1	1.7	17.1	3.1	17.7	3.1	18.5	4.2	17.6	0.8	18.4	1.8	18.0	1.7	17.1	0.7	7
8	19.0	2.3	16.2	1.8	18.6	3.2	20.5	5.0	19.2	1.8	20.7	3.2	20.7	3.3	20.2	2.7	8
9	20.0	3.1	18.7	4.1	20.2	4.2	20.5	4.4	19.6	2.4	21.7	3.9	22.0	4.3	22.0	3.1	9
10	20.9	4.4	20.8	5.5	20.5	4.8	21.5	4.7	20.7	3.1	21.8	3.9	23.3	5.8	23.7	4.7	10
11	21.0	5.0	19.8	3.8	20.9	4.9	21.0	4.0	19.5	2.5	22.7	4.5	24.5	7.2	24.0	5.4	11
Noon	21.7	5.6	21.7	6.6	21.3	3.9	22.0	5.1	20.5	2.4	22.6	4.9	24.9	7.9	24.2	6.2	Noon
13h	21.4	4.8	21.8	6.8	19.3	2.9	21.2	4.0	20.0	2.9	22.9	4.9	24.9	7.7	23.8	5.0	13h
14	21.5	5.7	20.9	5.5	20.8	4.1	21.8	4.6	21.4	4.4	23.3	4.9	24.8	7.5	24.0	5.0	14
15	21.0	4.5	20.5	5.0	20.0	4.0	19.9	2.3	21.6	4.8	23.3	5.1	24.5	7.8	23.6	4.8	15
16	20.2	4.9	20.6	5.1	20.0	4.0	21.3	4.4	20.3	3.4	22.2	3.9	23.9	8.1	22.7	4.7	16
17	19.3	4.8	18.7	3.7	19.5	4.3	20.3	3.8	19.6	2.7	21.3	3.4	22.5	6.4	21.6	4.0	17
18	18.5	4.3	18.1	3.3	18.3	3.0	18.1	1.5	18.7	1.5	19.7	2.8	20.7	3.8	20.4	3.0	18
19	17.9	3.5	17.5	3.0	17.7	2.4	18.0	1.9	18.4	1.4	18.5	2.1	18.6	2.2	19.3	2.0	19
20	17.6	3.5	17.6	3.4	17.6	2.3	17.9	2.2	18.6	1.6	18.3	2.2	17.7	1.9	19.0	2.0	20
21	17.4	3.9	18.0	3.6	17.6	2.3	17.4	1.4	18.7	1.9	17.9	1.9	17.3	1.2	18.0	1.5	21
22	17.4	3.9	18.0	4.1	17.8	2.6	17.6	1.6	18.4	1.4	18.0	2.2	16.7	1.3	17.7	1.3	22
23	17.3	3.6	17.4	4.4	17.7	2.3	18.5	2.6	18.1	1.0	17.7	2.0	17.0	1.1	17.4	1.3	23

Day / Hour	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	17.3	1.5	18.4	1.6	18.9	1.5	17.6	1.6	19.8	1.6	17.1	1.0	18.1	1.0	19.7	2.6	Mid-night
1h	16.6	1.3	18.3	1.8	19.0	1.4	17.2	1.4	19.8	1.7	17.2	0.7	18.3	1.2	19.6	2.6	1h
2	16.3	1.3	17.9	1.7	19.1	1.8	17.1	1.2	18.4	0.9	16.9	0.5	18.5	1.2	19.1	2.9	2
3	15.5	1.3	17.5	1.3	19.1	2.0	17.4	1.3	18.3	0.4	16.6	0.3	17.9	1.2	19.2	2.6	3
4	15.0	1.4	16.9	1.3	18.9	1.9	17.5	1.4	18.2	0.5	17.3	0.5	18.0	0.7	19.2	2.2	4
5	15.3	1.2	15.9	1.0	18.5	1.7	17.6	1.6	18.4	0.3	17.0	0.9	18.1	0.8	18.9	2.9	5
6	15.3	0.9	15.6	1.1	18.0	1.8	17.5	1.5	18.9	0.5	17.0	0.7	18.0	0.7	18.0	2.5	6
7	17.3	0.8	17.6	1.3	18.8	2.3	19.0	2.2	19.1	1.1	18.9	1.1	18.4	1.0	20.1	3.9	7
8	20.1	2.3	20.9	2.5	20.0	2.5	21.3	3.5	21.1	3.1	20.5	2.3	19.1	1.5	21.9	4.2	8
9	22.4	4.5	22.2	3.3	22.2	4.1	22.7	4.3	22.6	4.2	22.2	3.5	20.6	2.6	19.7	1.7	9
10	23.3	5.5	22.4	3.5	22.3	4.7	23.4	4.7	22.4	3.9	22.6	4.1	21.1	2.7	20.7	2.2	10
11	23.7	5.6	23.0	3.6	21.7	4.0	23.9	5.2	23.0	4.3	23.4	5.0	22.0	3.4	20.4	1.5	11
Noon	23.9	5.6	23.8	4.5	21.2	3.9	23.7	4.5	23.0	4.4	23.8	5.5	23.0	5.5	21.9	2.9	Noon
13h	23.6	4.9	20.5	0.6	23.0	4.9	24.0	5.1	23.8	5.1	24.0	5.2	23.5	5.5	20.4	1.0	13h
14	23.0	4.5	20.0	0.8	23.5	5.5	23.3	4.3	23.4	4.2	23.8	5.9	23.4	5.2	21.6	3.7	14
15	23.4	5.4	20.9	1.9	22.7	4.7	23.2	4.3	21.9	2.8	23.6	5.7	23.0	5.0	21.0	3.0	15
16	22.7	4.9	20.5	1.9	21.7	4.4	23.0	4.0	23.0	2.8	22.9	4.9	22.4	4.6	21.6	3.4	16
17	21.8	4.0	20.0	1.9	21.4	4.4	21.9	3.2	22.0	3.0	21.6	4.1	21.7	3.7	20.9	2.8	17
18	21.0	3.1	19.7	1.6	20.3	2.5	20.5	2.4	20.6	2.4	20.7	3.3	20.4	3.2	20.3	2.5	18
19	19.8	2.3	19.4	1.9	19.3	2.1	19.7	1.9	19.7	0.7	19.8	2.5	19.8	2.8	20.3	2.5	19
20	19.3	1.9	19.5	2.1	18.6	1.7	19.5	1.9	18.7	0.7	19.6	2.4	19.5	2.6	20.5	2.8	20
21	19.9	2.1	19.6	2.1	17.8	1.4	19.4	1.8	18.7	1.6	18.8	2.1	19.4	2.2	20.2	2.8	21
22	19.1	1.7	19.2	1.6	17.8	1.3	19.3	1.6	17.9	1.2	18.5	1.8	18.9	1.7	19.7	2.3	22
23	19.0	2.0	19.2	1.6	17.5	1.4	20.0	2.0	17.3	1.3	19.0	2.0	19.1	1.6	19.1	1.6	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).

SEPTEMBER, 1943.

Day / Hour	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	18.9	1.4	18.8	0.6	18.2	1.7	20.1	1.9	19.0	1.0	19.2	1.2	18.7	3.0	19.0	1.9	Midnight
1h	19.0	1.6	18.5	0.4	18.0	1.0	19.9	3.0	18.6	1.1	19.0	1.1	18.7	3.7	18.9	1.9	1h
2	18.8	1.0	18.5	0.5	17.4	0.9	19.6	3.4	18.9	1.3	19.0	1.1	18.5	3.5	18.9	2.0	2
3	18.9	1.0	18.7	0.7	17.7	0.9	19.6	2.2	18.9	1.4	18.5	1.2	17.5	2.5	18.2	1.3	3
4	18.0	0.8	18.9	1.9	17.9	0.9	19.4	2.0	18.5	1.2	18.8	1.4	16.5	2.0	18.0	1.5	4
5	18.5	1.0	18.2	1.8	18.1	1.1	18.9	1.8	18.4	1.1	18.6	0.9	16.2	1.8	17.9	1.7	5
6	18.7	1.1	17.1	1.3	17.8	1.4	18.0	1.4	18.3	1.3	18.6	0.9	17.1	2.3	17.5	1.6	6
7	19.7	2.0	17.9	1.1	19.1	1.1	18.7	1.4	20.1	2.1	19.5	1.3	18.8	2.4	18.0	1.0	7
8	20.9	1.9	20.8	1.9	21.6	2.7	21.9	3.1	22.0	3.3	20.9	2.5	21.2	4.2	18.7	1.3	8
9	21.0	2.5	22.9	4.8	21.7	3.0	22.9	4.7	22.3	3.8	21.9	3.0	22.4	5.2	20.9	3.5	9
10	21.9	2.9	22.8	3.9	22.1	3.3	24.5	6.6	22.8	3.9	23.3	4.5	23.1	6.1	20.3	2.1	10
11	23.4	4.7	23.7	5.7	23.1	4.6	25.0	7.2	22.8	4.8	20.2	1.8	23.0	5.9	21.8	4.4	11
Noon	24.0	5.0	23.9	6.3	23.9	5.9	25.3	7.5	20.0	1.2	22.7	4.2	23.0	5.7	23.2	6.1	Noon
13h	24.0	5.0	23.7	5.7	23.8	5.8	25.1	7.4	22.8	4.1	20.4	1.7	23.8	6.4	23.3	5.7	13h
14	22.8	3.8	23.7	6.1	23.9	5.7	25.1	7.7	23.5	4.5	21.2	2.1	22.9	5.8	23.0	5.8	14
15	23.0	4.6	23.9	6.4	24.0	6.2	25.0	8.4	22.6	3.6	22.1	3.1	22.8	5.8	22.4	5.4	15
16	23.2	4.3	23.1	5.7	23.4	5.4	23.8	6.9	22.0	4.0	21.0	3.0	22.1	5.2	22.1	5.0	16
17	22.0	3.6	22.1	4.8	22.4	4.4	22.4	5.2	20.1	2.1	20.3	2.4	21.1	4.1	20.8	3.8	17
18	21.0	3.0	20.9	2.9	21.4	3.1	21.4	3.8	20.0	2.1	19.3	2.0	19.5	2.5	19.2	2.0	18
19	20.9	2.8	20.1	2.1	20.9	2.8	19.8	2.4	19.9	2.4	19.1	1.9	19.0	2.5	18.5	0.7	19
20	20.9	2.9	19.7	1.7	20.7	2.5	19.1	1.9	19.3	2.0	19.2	2.3	18.9	2.0	18.4	1.0	20
21	20.3	2.1	18.7	1.5	20.6	2.3	19.2	2.0	19.2	1.7	19.4	2.9	18.7	1.9	18.6	1.3	21
22	19.9	1.7	18.5	1.1	20.5	2.3	19.1	1.2	19.1	1.4	19.0	2.8	18.9	1.9	18.8	1.7	22
23	19.4	0.8	18.9	1.4	20.3	2.1	18.8	1.0	19.0	1.6	18.7	2.9	18.8	1.8	19.2	3.2	23

Day / Hour	25d.		26d.		27d.		28d.		29d.		30d.		....		Mean		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	19.1	4.1	18.2	1.8	17.5	1.7	15.2	1.0	18.8	0.8	18.1	1.2	....	...	18.1	1.8	Midnight
1h	18.5	2.2	18.0	1.5	15.5	1.4	15.3	1.0	18.7	0.7	18.1	1.1	....	...	17.9	1.8	1h
2	18.5	2.2	18.1	1.5	14.8	1.0	15.0	1.1	18.6	0.8	17.8	0.9	....	...	17.7	1.7	2
3	18.0	1.5	18.0	1.6	15.0	1.0	14.8	0.9	18.5	0.7	17.4	0.9	....	...	17.5	1.4	3
4	19.0	3.0	17.9	2.4	15.5	1.0	14.5	0.7	18.2	0.9	17.0	0.7	....	...	17.5	1.5	4
5	18.8	3.1	17.0	1.4	15.9	0.9	15.7	0.8	18.2	0.7	16.9	0.6	....	...	17.4	1.4	5
6	19.3	4.4	17.1	1.8	15.6	1.0	16.1	0.8	17.9	0.5	16.5	0.8	....	...	17.4	1.6	6
7	20.0	3.7	19.0	3.3	18.5	2.5	17.3	0.8	18.8	0.8	19.1	1.0	....	...	18.5	1.8	7
8	20.6	4.7	19.8	3.1	20.2	3.0	19.3	0.7	18.8	0.5	21.8	2.5	....	...	20.3	2.7	8
9	22.3	5.3	20.8	3.3	23.1	6.1	22.8	3.8	21.4	1.8	23.3	4.0	....	...	21.6	3.7	9
10	22.7	5.7	21.9	5.2	23.6	7.0	23.6	3.9	22.8	3.3	24.8	5.5	....	...	22.4	4.4	10
11	23.0	5.5	22.8	6.1	23.9	6.1	24.4	4.9	24.1	4.7	24.9	5.5	....	...	22.7	4.7	11
Noon	22.9	5.8	24.0	7.0	24.1	6.1	24.3	4.6	24.7	5.3	25.0	5.5	....	...	23.1	5.1	Noon
13h	24.0	6.3	23.3	5.9	23.1	5.1	25.6	5.6	25.0	5.6	24.9	4.9	....	...	23.0	4.9	13h
14	22.8	5.3	22.2	4.6	22.8	4.6	24.0	4.6	24.8	5.4	24.5	5.0	....	...	22.9	4.9	14
15	22.3	4.9	22.2	4.4	22.9	4.8	22.8	3.8	23.6	4.5	24.6	5.3	....	...	22.6	4.7	15
16	21.5	4.4	21.7	3.8	22.8	4.3	20.2	1.4	22.8	4.1	23.2	4.0	....	...	22.1	4.4	16
17	20.7	3.7	20.9	2.8	22.5	4.1	20.6	1.6	22.2	3.7	22.1	3.3	....	...	21.1	3.6	17
18	19.5	3.1	20.3	3.1	21.8	3.7	20.2	1.2	21.1	2.9	21.4	3.0	....	...	20.1	2.8	18
19	18.1	1.9	20.0	2.0	19.8	2.7	20.1	1.4	20.0	2.1	20.6	2.6	....	...	19.4	2.2	19
20	18.0	2.0	19.4	0.4	18.2	1.5	19.8	1.5	19.1	1.3	19.8	1.8	....	...	19.0	2.0	20
21	18.1	2.1	19.1	1.1	17.4	1.6	19.2	1.1	18.8	1.4	19.1	1.1	....	...	18.7	1.9	21
22	18.0	1.3	18.2	1.9	16.2	1.2	19.2	1.0	18.2	1.0	19.0	1.3	....	...	18.5	1.8	22
23	16.2	1.4	18.0	1.8	15.4	0.9	19.1	0.8	18.1	0.9	19.0	1.6	....	...	18.3	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 SEPTEMBER, 1943.

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, 1943

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.
Mid-night	14	0.9	13	2.8	11	2.4	10	3.8	11	4.5	10	2.8	10	2.9	15	0.9	10	2.0	10	2.2	09	3.8	10	3.0	11	2.1	11	2.7	10	2.7	09	4.1
1	14	[illegible]	13	2.2	11	3.4	10	4.3	11	4.9	09	2.9	10	2.2	15	[illegible]	10	1.9	10	3.0	11	2.9	10	2.2	10	2.2	11	1.9	10	3.3	08	4.5
2	14	1.8	08	[illegible]	10	4.0	09	4.5	12	4.2	10	2.4	10	3.3	18	0.8	10	1.8	10	2.0	11	2.6	10	2.7	12	3.6	11	2.3	10	2.9	09	4.3
3	14	[illegible]	10	3.8	09	[illegible]	10	5.0	11	4.1	10	2.4	10	3.4	18	0.6	10	1.4	10	2.4	10	2.7	10	2.7	13	2.3	10	[illegible]	10	4.2	10	3.1
4	09	1.8	10	3.0	10	3.9	10	3.7	11	5.1	10	2.4	11	3.0	14	1.6	11	1.3	10	1.4	11	2.9	10	2.9	13	2.1	11	2.5	10	3.1	09	3.9
5	10	2.3	10	2.8	12	3.1	09	4.1	11	4.8	10	2.4	14	2.4	13	2.9	11	1.1	10	1.5	12	2.3	10	2.2	11	1.5	11	2.1	10	4.0	10	4.2
6	12	5.4	11	3.6	10	4.1	09	4.0	10	4.4	10	2.9	11	2.7	12	1.5	11	1.3	10	1.8	10	2.2	11	2.3	06	1.2	11	2.3	10	3.2	10	2.3
7	13	5.1	13	5.5	10	3.7	10	3.9	10	5.4	10	2.8	12	1.3	12	1.8	11	1.2	10	1.2	11	2.4	10	2.3	11	2.8	09	1.9	08	4.5	10	2.8
8	12	6.3	09	3.8	11	5.0	09	4.9	10	6.7	11	3.8	12	3.4	12	2.9	11	2.2	10	2.4	10	2.7	10	3.7	10	4.1	10	4.4	08	4.6	08	4.9
9	12	8.8	11	4.4	11	6.0	10	6.2	08	6.2	09	4.9	10	4.4	12	4.7	10	6.2	08	3.8	10	4.4	09	4.4	11	4.4	09	5.7	10	5.1	08	5.3
10	12	[illegible]	11	6.3	11	7.2	09	6.3	09	8.2	09	5.0	09	5.3	08	4.9	12	5.6	08	4.9	10	4.8	08	5.0	10	4.5	08	6.4	09	5.4	10	5.7
11	12	[illegible]	14	6.9	12	6.9	09	6.5	09	7.6	09	5.5	10	4.4	10	5.2	08	6.8	09	4.5	11	4.1	10	4.3	08	4.9	10	6.3	12	6.1	06	5.9
Noon	12	[illegible]	12	7.0	13	6.2	11	6.8	12	7.1	08	5.9	10	4.4	10	6.4	10	6.8	09	4.5	11	4.8	08	4.3	08	4.2	08	6.6	12	7.0	09	5.4
13	13	10.0	12	7.2	12	8.2	10	7.1	08	8.2	08	5.1	09	4.9	11	6.8	11	6.3	09	4.5	11	4.7	08	4.4	08	5.2	07	6.8	09	6.5	06	5.9
14	12	10.8	12	7.4	12	7.2	10	7.5	08	7.2	08	5.8	09	3.3	12	6.0	10	7.0	09	5.3	12	4.9	12	4.0	08	4.4	10	7.0	09	6.6	10	5.9
15	12	9.5	13	6.2	09	5.7	10	6.5	10	7.3	06	6.1	11	5.6	12	5.8	12	6.2	11	5.2	10	4.2	09	4.8	11	4.7	12	6.9	09	6.4	08	5.6
16	12	8.[illegible]	12	7.6	12	7.3	10	6.9	10	8.0	09	6.0	10	4.6	10	6.5	10	6.4	09	5.0	12	4.0	09	5.2	12	5.3	09	6.5	10	7.2	09	4.4
17	12	6.5	13	5.8	11	6.8	10	5.3	09	5.2	08	5.9	12	4.2	11	5.7	11	6.2	09	4.7	12	4.5	10	4.7	11	5.0	09	6.5	09	6.1	09	3.8
18	12	5.3	13	3.3	10	5.2	11	4.0	10	3.9	09	4.2	10	4.6	11	4.9	11	4.5	10	3.1	13	3.1	11	3.8	11	4.1	09	4.6	09	5.0	08	4.1
19	12	5.5	12	4.0	11	5.7	10	4.4	09	4.0	09	4.0	10	1.8	11	3.2	10	2.6	09	3.6	13	3.2	10	3.8	11	3.0	10	2.8	10	3.4	09	4.0
20	12	4.3	12	4.0	11	4.2	11	3.2	09	3.8	10	3.6	10	1.1	11	3.0	10	3.2	10	3.7	13	3.9	11	3.3	11	2.4	10	3.0	09	2.5	09	3.9
21	12	4.0	11	3.2	11	3.6	11	3.1	09	4.0	10	3.0	12	2.4	10	2.3	10	3.2	09	3.5	13	2.1	11	3.2	11	2.7	09	2.8	09	2.1	07	3.8
22	14	3.0	11	3.8	11	4.5	12	3.4	09	3.1	10	3.5	11	0.9	10	2.4	11	2.7	10	2.5	11	2.6	10	2.7	11	2.0	09	2.7	11	3.4	08	3.5
23	13	2.9	12	2.8	11	3.4	11	4.0	10	3.0	09	2.8	15	1.1	10	2.4	11	2.7	10	3.1	11	3.1	09	3.2	11	2.0	11	3.7	11	2.4	09	1.8

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.
Mid-night	09	2.7	08	3.6	11	[illegible]	10	[illegible]	12	2.2	11	2.5	11	6.5	09	3.7	10	3.6	09	2.7	10	1.8	27	2.2	12	0.7	09	2.4	..	...	2.7
1	10	2.8	06	2.2	06	2.0	11	4.8	13	2.0	11	2.0	12	6.8	09	3.5	10	3.0	08	0.7	10	1.7	27	2.5	12	1.1	10	1.5	..	...	2.7
2	10	2.2	08	2.4	11	2.6	10	4.0	10	3.0	11	2.0	12	6.3	11	3.2	10	3.5	03	0.9	10	1.8	27	2.3	12	1.2	10	2.1	..	...	2.7
3	10	2.6	06	1.9	14	2.6	12	3.1	10	3.7	11	2.6	12	4.1	11	3.0	09	3.1	11	0.9	10	1.8	27	1.9	12	1.1	10	2.3	..	...	2.7
4	10	2.4	08	3.0	13	1.2	10	2.6	10	2.9	11	3.1	12	3.0	10	3.1	08	3.8	10	2.7	11	2.7	27	2.2	12	1.1	10	2.3	..	...	2.7
5	10	2.2	06	3.2	13	2.0	10	[illegible]	11	3.2	11	2.9	11	2.7	10	4.1	10	3.3	14	2.1	11	2.0	27	1.8	12	1.2	09	2.0	..	...	2.6
6	10	2.5	11	3.2	13	1.7	12	2.9	11	2.3	11	2.5	11	2.0	11	4.3	07	4.5	14	1.7	14	1.9	27	1.7	12	2.0	09	1.8	..	...	2.7
7	09	4.0	12	1.9	11	1.7	13	1.6	10	2.5	11	2.9	12	3.0	08	3.3	08	3.8	13	2.6	10	1.7	27	1.7	06	1.8	09	2.4	..	...	2.8
8	10	3.8	06	3.5	09	3.3	10	3.1	09	4.6	10	4.9	10	4.3	08	5.9	07	5.2	09	2.6	10	1.1	02	1.3	08	1.5	09	3.2	..	...	3.8
9	05	5.5	07	3.7	08	4.2	12	4.1	08	5.5	11	5.2	12	6.1	09	6.1	09	6.4	06	3.0	12	1.8	29	1.8	10	2.8	07	4.4	..	...	4.9
10	05	3.8	08	6.9	08	5.1	10	4.7	10	6.9	12	5.4	12	5.8	10	7.3	07	6.2	10	3.8	07	2.1	32	2.7	06	3.6	07	4.6	..	...	5.5
11	07	5.4	07	5.5	08	5.5	10	4.9	11	6.3	12	4.9	11	5.6	09	7.3	09	6.2	09	3.1	07	2.8	29	3.2	05	3.3	06	4.9	..	...	5.5
Noon	08	5.2	06	5.4	08	4.3	10	4.6	09	5.1	09	5.6	12	6.5	09	7.2	09	5.2	03	2.5	04	2.9	28	3.1	06	3.0	09	4.8	..	...	5.4
13	07	4.9	09	5.0	08	4.7	12	4.5	10	6.0	08	5.9	12	6.8	09	7.5	06	5.1	06	3.2	05	1.9	28	3.4	08	3.7	08	5.0	..	...	5.6
14	07	5.4	08	5.1	09	4.2	12	4.7	10	6.7	13	6.4	10	6.7	08	6.8	06	4.8	06	3.4	32	2.0	24	2.4	06	4.3	05	4.4	..	...	5.6
15	08	4.2	08	4.4	08	4.3	10	4.4	12	6.7	12	6.9	12	7.1	08	6.1	08	4.3	08	3.2	31	1.8	27	1.5	06	4.5	10	4.7	..	...	5.4
16	06	4.3	08	4.0	09	4.2	12	4.4	10	6.6	11	6.6	10	6.9	08	6.0	08	5.2	08	3.1	28	1.8	10	1.4	09	3.3	10	4.8	..	...	5.4
17	09	4.0	08	4.3	10	[illegible]	13	4.9	13	4.7	11	6.7	11	6.0	09	5.1	10	4.0	09	3.0	24	2.0	10	1.0	09	3.2	10	3.8	..	...	4.8
18	09	4.4	10	3.6	10	3.0	12	3.6	11	4.1	11	6.1	11	4.4	09	3.9	09	2.6	09	2.7	27	1.1	10	1.1	10	2.6	10	3.4	..	...	3.8
19	08	3.0	09	3.9	11	[illegible]	12	1.8	11	4.7	10	5.5	11	3.7	09	3.6	09	1.8	10	1.8	27	0.6	10	1.3	10	1.8	10	2.2	..	...	3.2
20	08	2.3	07	4.0	10	2.2	12	1.4	11	4.2	12	5.8	10	4.0	12	3.3	10	1.6	09	1.6	27	1.2	10	1.3	10	2.2	10	1.8	..	...	3.0
21	09	3.[illegible]	12	2.7	11	3.2	13	2.3	11	3.7	11	4.9	12	4.2	09	3.2	10	1.8	10	1.4	27	2.0	12	1.7	10	2.8	10	2.1	..	...	2.9
22	09	2.7	13	[illegible]	12	3.0	11	2.6	11	3.2	11	4.4	10	4.2	10	4.2	09	[illegible]	10	1.8	27	2.1	12	1.1	10	2.0	10	2.2	..	...	2.8
23	06	3.2	10	2.9	10	[illegible]	11	2.0	12	2.8	12	4.1	12	3.8	09	3.7	09	2.6	10	1.8	27	2.1	12	0.7	10	1.9	10	2.2	..	...	2.7

TABLE XIII.--WIND FREQUENCY (NUMBER OF OBSERVATIONS), SEPTEMBER, 1943.

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.	E.S.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	-	-	30	-	-	-	-	3	15	8	2	-	1	-	-	-	-	1	-
9	-	11	19	-	-	1	1	12	6	9	-	-	-	-	-	-	-	1	-
15	-	16	14	-	-	-	2	10	5	11	-	-	-	-	-	-	-	1	-
21	-	-	36	-	-	-	-	7	7	15	-	-	-	-	-	-	-	1	-
				1	-	1	3	32	33	43	2	-	1	-	-	-	-	4	-

TABLE XIVa.--RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for SEPTEMBER, 1943.

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
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.6	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	0.2	...	...	...	...	...	...	...	2.5	...	...	...	0.2	0.1	0.4	...	...	...	...	...	...	...	...	...	...	...
3	0.8	...	...	...	...	...	...	...	...	...	...	...	0.4	0.2	0.3	...	...	0.9	...	...	...	...	...	0.2	...	...	...	...	...	...
4	0.9	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	0.2	...	...	...	...	0.3	...	...	...	...	...	...
5	0.8	...	...	...	...	...	...	...	...	...	...	...	...	...	1.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	0.3	...	...	...	0.1	0.4	...	...	...	...	...	...	0.3	...	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	0.7	0.1	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...
8	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...	0.9	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.2	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	0.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	0.1	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	0.1	...	...	...	...	...	0.4	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	0.3	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	0.1	...	...	...	...	...	0.1
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.2	...	...	...	...	...	...	...	...	...	...	0.3	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	1.5	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XIVb.--RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for SEPTEMBER, 1943.

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
1h	0.5	0.1	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	0.2	0.2	...	...	4.0	1.5	...	0.8	...	...	...	...	...	...
2	0.6	0.6	...	...	0.2	...	...	...	...	...	0.1	...	...	...	...	...	0.2	0.4	...	...	1.2	0.4	0.1	0.6	...	...	...	...	...	...
3	3.3	0.4	...	...	0.5	...	...	...	...	...	...	...	0.3	...	1.0	...	...	0.2	...	...	0.7	0.1	...	...	0.1	0.1	...	...	...	...
4	3.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	0.5	...	0.6	...	0.1	...	...	...	...
5	1.0	...	...	...	0.3	...	...	...	0.3	...	...	...	0.2	...	...	3.2	...	...	...	...	...	1.3	...	...	...	...	...	...	...	...
6	0.4	...	...	...	0.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	...	...	...	...
7	0.1	...	...	...	1.5	...	...	1.5	...	...	...	...	...	...	...	...	0.0	...	...	...	0.3	0.1	...	0.8	...	...	...	...	...	...
8	...	...	...	...	0.8	...	...	...	...	...	...	...	...	...	0.7	...	...	...	...	...	4.0	1.5	...	0.2	...	...	...	...	...	...
9	...	0.4	...	...	...	...	...	...	...	...	...	...	...	...	0.6	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.6	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	0.6	...	...	...	...	...	0.1	...	...	...	...	0.2	...	...	...	...	0.6	0.9	...	...	...	...	...	...	...	...
Noon	...	...	...	0.2	1.0	...	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	1.0	0.2	...	...	...	...	...	...	...	...
13h	...	...	...	0.2	0.2	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	0.8	1.3	...	...	...	...	...	...	...	...
14	...	...	0.4	...	0.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.2	2.6	...	...	...	...	...	...	...	...
15	...	0.9	0.4	...	...	0.8	...	...	...	0.1	...	...	...	...	...	...	0.3	...	...	...	0.5	0.3	...	...	...	...	...	...	...	...
16	...	0.3	0.7	0.8	0.3	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	0.2	...	...	...	...	...	...	...	...
17	...	...	0.1	0.3	0.7	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.4	0.6	...	...	...	...	...	...	...	...
18	0.3	...	0.9	1.0	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...	1.0	1.2	...	0.7	...	...	...	0.2	...	...
19	...	...	0.7	0.3	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	0.3	1.4	1.9	0.1	0.7	...	...	...	0.1	...	0.4
20	...	...	...	1.8	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	0.5	0.8	0.6	...	0.6	...	...	...	...	...	...
21	...	...	0.2	0.4	...	...	...	...	0.2	...	...	...	0.3	...	0.1	...	...	...	...	1.0	1.9	0.8	...	0.3	...	...	...	...	...	...
22	...	...	0.2	...	1.0	...	...	...	...	0.3	...	...	...	...	0.2	...	...	...	...	0.1	0.5	0.2	0.2	0.1	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	0.5	...	...	0.2	...	1.0	...	...	...	...	1.6	0.8	...	0.2	...	...	...	...	...	...	0.2
24	...	...	...	...	...	...	...	...	0.4	0.9	...	...	...	0.3	...	...	0.5	0.5	...	0.5	...	...	0.2	...	...	...	...	...	...	...

TABLE XV. TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS according to RIVER SYSTEMS indicated on the CHART for SEPTEMBER, 1943.

RIVER SYSTEM	STATIONS	Approximate Altitude in feet.	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20			1.03	
	St. Antoine	50	1.10	28.0	1.17	
	Bel Mont	50			1.15	
	Poudre d'Or	20			1.24	
	Mon Loisir	300	1.40	35.6	1.85	
	Forbach	300	1.04	26.4	1.20	5
	Couroupa	...			1.36	
	Labourdonnais	290	0.90	23.0	1.61	6
	Mapou Water Office	...		No Record		
	Beau Sejour	300	1.22	31.0	2.20	10
	Mont Plaisir	650	1.36	34.5	2.27	8
	Mon Choix	700	0.72	18.3	1.84	6
	Antoinette	640	1.05	26.7	2.19	7
	Mon Songe	620	0.86	21.8	2.49	6
	Botanical Gardens	325	1.11	28.3	1.78	18
	The Observatory	179	0.98	25.0	1.40	18
	Solitude	175	0.15	3.8	0.81	1
	St. André - cour	90			1.11	
	La Nicolière	...	2.81	71.4	3.28	20
	California	...	2.33	59.2		9
	Australia	...	1.25	31.8		
2 & 3	Union Régnard Flacq S.E	600	1.22	31.0	2.63	8
	Constance La Gaite	100	1.46	37.1	1.69	12
	Rich Fund	600	1.91	48.5	2.67	7
	La Joffrette	...	1.42	36.1		5
	Belle Vue Allendy	...	1.45	36.8	2.69	12
4	Sans Souci	900	6.92	175.8	5.83	20
	Beau Camp G.R.S.E.	20	1.25	31.8	1.71	12
	Olivia	400	1.51	38.4	3.15	11
	Trois Ilots	...	1.28	32.5		14
	Belle Rive	400	3.14	79.8	4.13	13
	Sebastopol	700				
	Bonne Veine	400	6.04	153.4	5.26	23
5	Rose Belle	850	4.57	116.1	5.98	24
	New Grove	650	3.42	86.9	5.46	17
	Mon Trésor	...	2.31	58.7		14
	Mon Désert - Carie	75	1.91	48.5	1.53	10
	Ferney	20			2.60	
	Sauve Terre	...	1.74	44.2		13
	Tivoli	1300	5.01	127.3	5.81	18
	La Flora	1050	4.50	114.3	5.38	19
	Riche Bois Britannia	650	2.68	67.8	3.78	15
	Britannia Estate	700	3.28	83.3	4.03	21
6	Savannah Mill	200	1.11	28.2	1.96	9
	St. Aubin	300	0.26	6.6	2.70	2
	St. Avold	900	5.08	129.0	4.61	21
	Colmar	400	3.12	79.2	3.03	17
	Union S.E.	...	1.21	30.7	2.23	
	Fontenelle	320	1.37	34.8	2.95	
	Choisy	200	0.80	20.3	2.60	1
	Beau Bois	...	1.83	46.5	...	9
	Bel Air	...	0.78	19.8	1.88	3
	St. Felix	...	1.20	30.5	...	3
7, 8, 9 & 10	Bel Ombre	40	0.87	22.1	1.93	12
	Beau Camp B. du Cap.	70	1.45	36.8	2.00	10
	Frederica	...	0.93	23.6	2.36	4
	Pierre Fonds	...	1.27	32.3	1.01	11
	St. Marie	...	1.39	35.3	...	10
	Hussonia	...			...	
11	Curepipe Gardens	1840	6.55	166.0	5.60	18
	Mare aux Vacoas G.E.no	1850	8.67	220.2	7.13	24
	Mare aux Vacoas Arnaud	1830	9.37	238.0	7.14	26
	La Marie Filter Beds	1700	6.35	161.3	4.10	23
	Sophie	...		No Record	...	
	Reunion	1420	4.16	105.7	3.53	16
	Aerological Station	1393	3.90	99.1	3.40	25
	Phoenix	...	2.46	62.5	...	4
	Quatre Bornes	...	1.29	32.8	...	8
12	Quatre Bornes Board	1090	1.08	27.4	1.12	6
	Le Reduit Dep. of Agric.	1000	2.22	56.3	1.50	22
	Alma	1460	4.45	113.0	4.73	19
	Bagatelle	1250	4.93	125.2	2.69	11
	Highlands	1300	2.83	71.9	3.09	11
	Trianon	950	2.06	52.3	1.70	8
	Val Ory	1100			1.74	
	Bassin	...	1.22	31.0	1.36	4
	Hermitage	1450	3.96	100.6	4.62	11
	Ebène	...	2.03	51.6	...	14
	Bega	...	1.63	41.4	...	14
	Mon Rêve	...	2.97	75.4	...	14
	Mont Pevril	...	2.31	58.7	...	14
	Miniscy	1150	3.36	85.3	2.05	14
	Plaisance	...			...	
	La Ferme	350	.95	24.1	0.75	6
	Line Barracks	...	.61	15.6	...	14
	Richelieu Tobacco Res. Station	...	.42	10.8	...	6

TABALE XVI.-PILOT BALLOON OBSERVATIONS OFR THE MONTH OF SEPTEMBER, 1943.

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,500 metres		2,000 metres		2,500 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.
1	8.26	...	...	...	...	152	15.2	156	11.6	170	3.6	169	5.9	...	...	...	...	...	...	...	...	...	...
2	8.25	...	...	...	...	126	16.6	128	14.3	130	14.1	132	12.0	132	8.2	...	...	...	...	...	...	...	...
3	8.37	...	...	...	...	129	12.0	126	15.1	120	15.4	111	9.9	109	11.1	...	...	...	...	...	...	...	...
4	8.00	...	...	...	...	114	12.4	111	13.3	109	15.2	122	16.4	120	10.9	...	...	...	...	...	...	...	...
5	8.15	...	...	...	...	105	18.0	104	22.1	102	18.8	...	...	...	...	...	...	...	...	...	...	...	...
6	8.35	...	...	...	...	102	13.9	105	14.2	105	12.2	084	6.7	...	...	...	...	...	...	...	...	...	...
7	8.30	...	...	...	...	115	5.2	119	5.4	128	4.8	144	3.5	132	2.5	180	0.1	326	4.1	319	6.9	316	11.9
8	9.00	...	...	...	...	120	10.1	115	9.6	115	9.2	120	6.2	085	2.2	115	7.1	005	2.3	...	...	297	3.3
9	8.40	...	...	...	...	125	8.7	120	9.0	117	11.3	102	10.8	...	...	...	...	...	...	...	...	...	...
10	8.30	...	...	...	...	093	10.0	091	10.6	092	12.8	113	13.4	...	...	...	...	...	...	...	...	...	...
11	8.28	...	...	...	...	117	7.1	119	5.4	117	5.4	183	1.8	166	3.3	141	5.7	145	6.9	144	6.2	138	7.2
12	7.45	...	...	...	...	120	10.5	104	6.2	050	5.2	040	5.9	048	5.1	105	6.2	118	7.5	141	6.3	138	6.0
13	8.08	...	...	...	...	112	10.9	116	11.3	120	8.4	119	2.5	112	3.7	...	...	...	...	...	...	...	...
14	12.05	...	...	...	...	108	16.5	104	13.8	101	14.5	115	13.6	...	...	...	...	...	...	...	...	...	...
15	8.50	...	...	...	...	093	12.2	089	17.2	086	21.9	...	...	...	...	...	...	...	...	...	...	...	...
16	8.20	...	...	...	...	094	10.0	089	10.5	076	9.9	...	...	...	...	...	...	...	...	...	...	...	...
17	8.25	...	...	...	...	085	12.4	087	15.8	083	11.6	075	9.6	059	10.1	...	...	...	...	...	...	...	...
18	8.40	...	...	...	...	092	13.0	090	13.2	079	10.7	076	8.3	057	9.7	095	9.0	112	4.1	137	2.2	154	2.1
19	8.12	...	...	...	...	102	9.3	103	7.8	068	3.7	045	7.2	077	3.4	073	4.0	072	5.1	093	4.0	111	2.8
20	11.07	...	...	...	...	121	10.8	121	13.7	122	13.1	129	8.7	121	4.1	132	8.4	130	12.0	155	7.2	181	5.7
21	8.10	...	...	...	...	121	11.7	122	12.0	122	10.5	116	10.7	111	9.7	129	7.4	164	4.0	...	...	...	...
22	8.35	...	...	...	...	120	11.7	117	9.7	112	8.9	094	8.8	...	...	...	...	...	...	...	...	...	...
23	8.30	...	...	...	...	125	13.1	122	11.8	115	9.2	087	6.8	095	11.1	105	12.0	112	13.3	122	9.2	118	9.0
24	8.20	...	...	...	...	110	17.8	105	18.1	007	16.8	102	13.6	...	...	...	...	...	...	...	...	...	...
25	8.30	...	...	...	...	084	9.2	080	13.0	078	17.4	074	22.0	...	...	...	...	...	...	...	...	...	...
26	7.45	...	...	...	...	100	7.3	090	6.2	072	3.5	077	2.8	074	3.0	062	3.1	074	3.7	070	3.5	064	2.9
27	8.10	...	...	...	...	118	2.8	121	2.6	109	2.4	087	1.7	144	1.7	224	4.1	234	6.3	210	7.1	204	8.4
28	8.23	...	...	...	...	345	3.5	334	2.3	042	0.6	182	3.0	...	...	...	...	...	...	...	...	...	...
29	8.40	...	...	...	...	076	8.3	079	8.7	072	8.4	084	5.6	...	...	...	...	...	...	...	...	...	...
30	8.30	...	...	...	...	107	5.5	101	7.5	092	7.2	087	6.7	102	6.6	...	...	...	...	...	...	...	...
..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

NEW SERIES (MONTHLY) VOL. XXIX. PART 10.

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20° 5' 39" S -LONGITUDE 3h 50m 12.6s E.)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

OCTOBER, 1943.

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 OCTOBER, 1943.

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	Daily Range ✓ Vertical Force
	° ′			′	Units γ	
OCT.						
1	14°33.2	.22384	.30033	7.5	85	18
2	33.6	385	033	5.5	60	28
3	32.9	380	035	6.0	76	14
4	32.8	386	037	6.0	58	13
5	33.2	394	035	5.5	23	15
6	33.3	402	034	5.3	37	13
7	32.9	406	032	7.0	85	23
8	33.4	396	035	6.7	86	17
9	33.4	385	038	4.0	56	12
10	33.0	397	037	5.0	63	9
11	...	396	036	...	26	15
12	...	394	031	...	29	27
13	...	400	035	...	49	19
14	33.5	398	032	5.7	29	22
15	32.8	403	030	7.4	25	32
16	33.5	409	031	6.0	50	19
17	33.1	404	032	5.3	73	14
18	33.7	403	034	6.0	36	12
19	33.4	404	032	7.0	34	12
20	34.0	408	031	6.0	65	29
21	33.2	401	034	5.6	33	15
22	33.8	...	038	5.3	..	16
23	...	...	...	...	..	..
24	...	381	040	...	109	27
25	...	...	044	...	..	14
26	33.2	370	047	11.0	98	18
27	33.1	386	051	5.0	35	19
28	33.4	387	052	5.3	69	23
29	...	...	.049	...	..	25
30	33.2	...	056	6.5	..	26
31	32.3	384	...	8.5	72	28
Mean	14°.33.48	.22394	.30038	6.21	56.2	19.1

T = .37495: Mean Dip = 53°18′.10: (X = .21684: Y = -.05646: Z = .30038)

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

MAGNETIC DISTURBANCES.

HORIZONTAL FORCE.

1d.	Moderately disturbed. Large positive waves (65γ) between 0h and 3h.
2d.	Moderately disturbed in parts. Two large positive waves at the end (40γ-70γ).
3d. and 4d.	Slightly disturbed.
7d. and 8d.	Slightly disturbed.
9d.	Moderately disturbed throughout.
10d.	Positive wave of (40γ) at end.
20d.	Small isolated disturbance between 21h and 23h.
22d.	Slightly disturbed at end. Rapid change of (85γ)
24d.	Moderately disturbed during second half. Irregular features.
25d.	Slightly disturbed.
26d. to 29d.	Moderately disturbed at times with only minor features.
30d. and 31d.	Very moderately disturbed.

TABLE II.-RESULTS OF ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the Month of OCTOBER, ~~OCTOBER~~, 1943.

Declination (West)		Horizontal Force		Dip (South)		Resulting
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	Vertical Force
d h m	° ′	d h m		d h m	° ′	
8.14.52	14.29.8	9. 9.54	.22404	8.15.05	53.17.06	.30020
15.14.21	14.26.8	11.10.58	.22401	15.14.32	53.14.31	.30009
22.11.55	14.33.6	14.11.34	.22400	22.12.10	53.14.56	.30025
29.15.14	14.30.3	18.10.49	.22437	29.15.22	53.20.06	.30035
		27. 9.49	.22399			
		30. 9.36	.22397			

TABLE [illegible] MAGNETIC DECLINATION (WEST) at every hour of the Day as deduced from the PHOTOGRAPHIC RECORDS.

OCTOBER, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	35.0	33.5	34.3	33.5	33.7	33.5	33.5	34.0	35.0	34.0	....	....	....	33.5	33.5	33.5	Midnight
1h	34.0	33.5	34.5	33.5	33.5	33.7	33.5	34.3	34.7	32.5	....	....	....	34.0	33.7	33.7	1h
2	33.3	34.0	34.3	31.3	33.5	33.7	33.5	33.5	34.0	33.3	....	....	....	34.0	34.0	34.0	2
3	33.0	33.5	34.3	33.5	33.0	33.7	33.7	34.0	33.0	32.7	....	....	....	33.7	34.0	34.3	3
4	33.5	32.7	33.0	33.7	33.7	33.3	33.7	34.0	33.0	33.0	....	....	....	34.3	34.3	34.5	4
5	32.5	33.0	33.7	33.5	33.7	33.7	34.0	33.0	33.0	33.5	....	....	....	33.5	34.5	34.7	5
6	33.0	32.4	32.3	32.0	32.5	33.5	33.0	33.3	33.0	32.7	....	....	....	33.7	33.5	34.7	6
7	35.0	32.7	33.0	32.0	33.0	33.7	33.5	33.0	34.0	33.5	....	....	....	35.7	32.7	34.3	7
8	34.0	33.7	32.5	32.5	34.5	34.3	34.7	34.3	34.3	33.5	....	....	....	35.0	33.0	35.3	8
9	33.3	35.0	31.7	33.7	35.5	35.3	35.0	35.0	33.0	33.5	....	....	....	35.0	33.7	36.0	9
10	33.5	34.5	32.3	33.7	35.5	35.0	35.0	35.3	34.5	33.5	....	....	....	35.0	34.7	35.7	10
11	33.5	34.3	31.0	33.0	35.0	34.3	34.7	34.0	34.3	33.5	....	....	33.5	34.0	34.3	35.5	11
Noon	31.5	33.5	30.0	32.5	33.5	33.5	32.0	32.0	32.0	33.0	....	....	33.0	32.3	32.0	33.0	Noon
13h	30.0	32.5	30.0	31.5	31.0	32.5	29.7	31.3	32.0	31.5	....	....	31.0	31.0	29.0	31.0	13h
14	28.0	31.0	29.0	29.0	30.0	30.3	28.0	31.0	31.0	30.5	....	....	31.0	30.0	27.3	30.0	14
15	30.0	31.5	31.5	29.5	30.3	30.0	28.5	30.3	31.0	30.5	....	....	31.0	31.0	28.3	30.0	15
16	32.5	32.7	33.0	30.7	31.0	31.0	30.0	31.5	32.0	32.0	....	....	32.0	32.0	30.6	31.0	16
17	33.5	33.0	35.0	33.0	31.0	32.5	31.5	32.0	32.5	33.5	....	....	33.5	33.5	33.0	33.0	17
18	35.5	35.0	34.5	33.7	33.3	33.0	33.0	32.0	33.3	34.0	....	....	33.5	33.7	33.7	33.3	18
19	35.0	34.3	34.3	34.0	33.5	33.7	33.0	33.0	33.7	35.5	....	....	33.5	33.7	34.0	33.7	19
20	34.0	36.5	34.5	34.5	33.7	34.0	33.7	34.3	34.3	34.5	....	....	33.5	33.5	33.7	33.3	20
21	35.0	35.0	34.0	35.0	33.7	34.0	33.7	37.0	34.0	34.0	....	....	33.3	33.7	33.5	33.5	21
22	34.5	35.5	34.3	34.7	34.0	34.0	34.3	35.0	34.7	31.5	....	....	33.5	34.0	33.5	33.3	22
23	33.7	33.5	34.0	34.0	34.0	34.0	35.0	35.0	34.5	31.5	....	....	33.5	34.0	33.3	33.5	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day \ Hour
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	33.5	34.3	33.5	34.0	34.3	34.0	34.3	34.5	34.0	33.5	35.0	34.5	34.3	34.0	33.7	34.0	Midnight
1h	33.5	34.0	33.7	34.0	34.3	34.3	34.7	34.5	32.0	34.0	32.5	35.0	32.0	35.0	34.0	33.9	1h
2	33.3	32.7	34.0	34.0	33.0	34.5	....	34.7	33.3	34.5	33.7	34.7	32.5	34.0	31.5	33.6	2
3	33.5	33.5	34.0	34.0	33.7	34.5	....	33.5	33.0	34.7	33.5	34.5	....	34.5	33.3	33.8	3
4	34.0	34.0	33.5	34.5	33.5	35.0	....	33.5	33.5	34.5	33.7	34.0	....	35.0	34.0	33.8	4
5	34.0	34.5	33.7	34.7	33.0	34.7	....	33.0	32.5	33.5	34.5	35.0	....	35.0	34.3	33.9	5
6	33.5	34.5	34.0	34.5	32.7	34.0	....	33.0	32.7	33.0	35.0	33.5	....	34.5	34.0	33.5	6
7	33.5	35.0	35.0	35.5	34.3	35.0	....	33.7	33.0	35.0	34.0	34.0	....	33.0	32.0	33.8	7
8	33.0	35.5	35.0	36.3	35.0	36.0	33.5	35.5	32.7	35.0	34.0	34.3	35.0	34.0	31.5	34.2	8
9	32.7	36.0	36.0	36.5	35.3	36.0	33.3	....	32.5	34.5	33.0	32.5	34.5	34.7	31.3	34.3	9
10	33.5	35.7	36.0	36.0	35.0	35.5	33.7	....	@	33.0	33.3	31.0	33.5	34.0	33.0	34.3	10
11	34.3	35.7	35.5	36.0	34.3	34.5	34.3	....	@	31.5	32.5	32.0	33.5	32.7	33.5	33.9	11
Noon	33.7	35.0	33.0	35.5	33.0	33.5	34.0	33.7	@	30.0	30.7	32.0	31.0	32.5	32.0	32.6	Noon
13h	32.5	32.0	30.5	33.0	31.0	32.0	33.0	32.0	@	29.0	30.3	31.0	30.0	30.0	29.0	31.0	13h
14	30.3	30.0	29.0	31.0	29.7	31.0	32.0	30.0	@	27.0	30.0	30.7	30.0	28.5	26.5	29.5	14
15	29.0	30.0	30.0	30.7	30.0	30.7	32.5	30.0	@	31.0	31.0	31.5	30.0	29.0	27.5	30.1	15
16	30.7	31.0	31.0	30.5	31.0	31.0	32.7	31.0	@	31.0	32.7	32.5	31.5	31.5	31.0	31.4	16
17	32.5	33.0	32.7	31.0	33.0	32.0	33.5	31.5	@	32.0	33.3	33.0	32.5	34.0	31.5	32.7	17
18	33.3	33.0	34.0	32.7	33.0	32.5	33.0	34.0	33.0	38.0	33.5	33.7	35.0	33.5	32.5	33.7	18
19	33.5	33.5	33.7	33.0	33.5	33.0	33.0	34.5	33.0	35.5	33.7	36.0	34.7	33.0	33.0	33.9	19
20	34.0	33.5	33.5	33.5	33.7	34.0	33.3	34.0	33.5	34.0	33.5	34.0	35.0	33.0	33.5	33.9	20
21	33.7	34.3	33.5	34.0	33.5	35.0	33.5	35.0	34.0	34.5	33.7	34.0	35.0	34.0	34.0	34.2	21
22	34.0	35.0	33.7	36.0	33.5	33.5	33.5	34.5	35.0	32.7	34.5	33.5	35.0	34.5	35.0	34.1	22
23	34.3	33.7	34.0	35.5	34.0	34.3	34.0	34.7	35.0	34.3	33.5	34.0	32.0	34.0	35.0	34.0	23

@ Clock stopped.

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, 1943.

22000 + (C.G.S. UNIT).

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour
Midnight	392	399	376	390	383	409	399	392	400	396	385	394	403	390	393	395	Midnight
1h	418	394	390	398	390	396	400	385	389	404	390	409	390	389	395	399	1h
2	428	390	389	413	393	395	400	398	391	399	394	399	389	397	400	400	2
3	410	398	390	401	394	396	404	406	381	399	392	398	398	397	400	400	3
4	400	405	395	368	390	401	407	396	400	396	390	405	402	392	401	402	4
5	386	412	404	392	390	401	402	407	397	399	392	402	395	395	398	404	5
6	390	402	401	387	393	402	409	395	397	402	397	400	393	394	400	404	6
7	395	404	401	390	399	406	410	399	400	400	400	402	395	394	399	414	7
8	376	408	406	397	405	411	415	408	399	405	404	400	395	392	400	420	8
9	402	405	406	401	406	418	426	420	390	418	406	388	400	393	402	418	9
10	400	368	406	390	404	425	441	422	402	430	407	386	410	400	408	427	10
11	403	394	360	402	401	424	441	424	370	419	408	368	420	409	412	433	11
Noon	413	400	381	403	399	417	437	429	358	404	410	396	430	410	416	440	Noon
13h	400	396	361	403	398	404	438	419	386	405	408	404	432	414	418	434	13h
14	370	370	330	361	393	400	435	411	375	400	401	408	428	416	418	430	14
15	368	375	349	372	387	398	424	389	370	391	396	402	415	413	415	418	15
16	355	385	360	368	386	394	410	343	373	384	385	390	402	404	410	410	16
17	366	362	359	355	389	390	404	370	368	378	390	384	385	398	405	401	17
18	352	356	372	364	391	388	375	362	376	375	390	384	383	392	400	398	18
19	360	352	367	367	391	390	356	385	364	385	393	385	369	392	398	392	19
20	343	362	359	369	392	391	373	360	376	367	392	380	387	391	397	390	20
21	355	363	379	380	391	396	383	377	414	400	392	360	384	390	394	390	21
22	362	352	365	379	392	397	370	380	390	380	393	360	368	367	396	395	22
23	370	375	375	378	394	397	379	381	385	390	384	393	390	397	394	395	23

22000 + (C.G.S. UNIT).

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day \ Hour
Midnight	397	391	394	404	396	390	387	392	371	408	372	393	386	400	398	394	Midnight
1h	401	388	395	401	397	393	384	394	393	406	396	424	413	392	400	398	1h
2	414	410	399	403	402	396		396	406	392	387	403	409	400	414	400	2
3	416	402	404	406	400	400		398	393	389	390	400	412	399	405	399	3
4	418	401	409	412	399	400		398	393	393	390	403	404	401	403	400	4
5	420	401	409	416	405	400		408	393	396	390	400	401	400	407	401	5
6	422	400	409	418	406	403		405	384	403	390	390	400	400	402	400	6
7	425	409	410	423	404	403	398	409	384	390	393	390	391	393	378	402	7
8	430	414	414	423	408	401	392	411	376	386	390	386	382	390	375	403	8
9	434	422	419	425	413		394	420		389	394	381		397	374	407	9
10	430	423	422	430	417		390	420		373	402	383		384	376	409	10
11	420	422	421	430	420	424	388	415		362	376	388		387	400	407	11
Noon	413	419	419	429	420	427	368	411		370	384	390			405	408	Noon
13h	412	410	407	426	419	423	392	400		353	390	384	372		397	405	13h
14	412	411	395	414	411	408	390	347		348	378	381	383		383	394	14
15	400	407	390	410	398	372	379	361		346	373	377	373	367	355	388	15
16	370	401	389	406	390	344	372	356		342	371	379	340	370	342	381	16
17	361	396	390	405	387	345	372	336		310	378	367	337	352	360	377	17
18	380	394	368	402	387	355	368	311	371	330	379	355	348	352	375	376	18
19	381	392	397	394	390		372	347	369	332	384	361	362	371	372	378	19
20	382	391	403	385	389		379	340	367	348	373	360	363	372	378	377	20
21	384	389	401	384	390	354	367	355	365	367	383	394	365	389	370	384	21
22	380	391	400	365	392	385	390	359	380	385	383	410	360	388	369	382	22
23	389	367	398	391	391	362	392	363	375	370	406	390	412	389	377	386	23

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

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

OCTOBER, 1943.

29000 + (C.G.S. Unit)

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour
Midnight	1034	1036	1038	1037	1037	1036	1036	1036	1034	1034	1036	1035	1030	1035	1033	1033	Midnight
1h	35	35	36	37	37	37	36	36	34	33	36	32	32	35	32	32	1h
2	26	35	34	33	36	37	36	37	36	33	36	33	32	34	31	32	2
3	29	33	34	35	34	37	36	37	37	34	37	34	31	33	30	32	3
4	30	33	33	34	34	37	36	37	36	36	37	33	32	33	31	32	4
5	30	32	33	35	34	37	36	37	37	38	38	36	33	33	32	32	5
6	33	31	30	32	36	36	34	35	37	36	37	35	33	35	30	32	6
7	36	34	31	34	36	35	34	37	39	38	36	38	36	37	30	32	7
8	33	39	32	36	41	37	37	42	40	40	37	40	40	39	36	33	8
9	32	42	33	39	43	37	34	42	43	38	39	39	41	39	39	34	9
10	31	40	37	44	44	37	35	37	45	36	38	35	40	39	42	37	10
11	35	36	38	45	43	35	28	33	40	38	32	29	36	33	40	37	11
Noon	29	27	33	41	37	31	21	27	36	42	29	23	28	27	28	30	Noon
13h	27	23	26	36	30	28	17	27	36	42	27	19	24	20	17	24	13h
14	24	17	30	34	29	24	14	26	36	36	28	13	29	17	10	18	14
15	27	21	36	36	29	24	18	25	37	34	34	15	34	21	14	22	15
16	29	24	36	37	30	31	26	37	42	35	42	20	40	27	24	27	16
17	31	24	36	38	31	37	28	37	42	38	40	28	43	31	28	30	17
18	37	33	39	39	32	37	32	36	42	42	37	31	41	33	30	30	18
19	38	33	37	36	33	34	37	34	40	41	36	33	38	33	31	31	19
20	40	45	39	38	34	35	37	37	40	39	37	34	37	34	32	32	20
21	42	36	36	37	35	35	34	38	33	36	37	36	37	34	33	32	21
22	38	43	39	38	36	35	37	36	36	37	37	36	37	35	33	32	22
23	37	33	40	37	36	35	37	37	36	36	36	35	36	34	33	32	23

29000 + (C.G.S. Unit)

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day \ Hour
Midnight	1033	1036	1035	1034	1034	1037	1040	1040	1045	1041	1049	1053	1044	1054	1055	1038	Midnight
1h	33	35	35	34	35	37	42	41	42	42	43	52	38	57	56	1038	1h
2	32	32	35	34	34	37		41	44	42	45	49	40	55	50	1037	2
3	28	33	33	33	36	38		41	42	44	45	53	40	54	52	1037	3
4	28	33	33	33	35	38		41	46	44	47	53	40	54	53	1037	4
5	28	34	33	33	34	38		41	45	45	48	53	41	55	53	1038	5
6	26	34	33	31	35	36		40	45	45	49	53	42	55	52	1037	6
7	25	36	33	32	35	36	36	38	43	47	47	57	47	57	54	1038	7
8	26	36	33	35	36	37	38	38	42	47	48	59	48	62	62	1040	8
9	32	37	33	36	38	40	42	36	40	44	50	55	56	62	64	1041	9
10	35	38	31	34	36	40	42	36	38	42	52	50	50	58	67	1041	10
11	37	37	30	29	35	38	44	34	41	46	46	46	50	55	59	1039	11
Noon	36	32	28	22	32	33	45	32	42	40	45	47	52	50	47	1034	Noon
13h	27	26	24	13	23	28	40	26	40	40	44	47	44	42	42	1030	13h
14	26	27	24	16	23	30	33	25	41	40	46	45	42	38	39	1028	14
15	26	30	28	25	27	34	34	33	43	46	62	47	40	47	48	1032	15
16	33	33	32	29	32	42	38	34	47	53	60	52	51	54	58	1037	16
17	39	34	36	32	37	44	42	42	52	58	58	56	56	64	59	1040	17
18	37	33	35	31	36	44	42	52	49	56	56	58	56	63	57	1041	18
19	36	33	33	31	35	42	42	48	49	58	56	68	57	60	60	1041	19
20	36	33	30	33	34	42	40	48	49	55	57	60	61	60	60	1042	20
21	36	34	32	34	34	43	38	51	46	54	58	51	62	58	63	1041	21
22	37	35	33	42	34	41	38	47	47	47	57	46	53	60	65	1042	22
23	37	36	33	35	35	40	38	47	45	50	52	46	53	59	63	1040	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, 1943.

Month and day 1943.	Observations at 10 a.m.									Temperature of the Air.							Rainfall		Duration of Bright Sunshine	Percentage of Possible Sunshine
	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 recorded by the Casella Pluviograph	Duration		
OCT.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins	hrs.	%
1	972.0	19.9	2.4	15.9	78	18.1	105	6.3	4	16.1	19.3	21.0	17.3	22.3	15.5	6.8	0.2	0	10.7	88
2	972.5	20.7	3.3	15.2	71	17.3	110	4.9	4	16.0	20.4	22.0	17.5	23.3	16.0	7.3	0.0	0	11.0	90
3	972.8	22.0	3.1	17.0	73	19.4	90	2.7	5	17.1	21.6	22.0	18.6	23.6	16.9	6.7	0.0	0	7.4	60
4	973.4	21.8	3.0	17.0	74	19.4	70	5.4	4	17.8	21.3	23.0	17.9	24.0	17.2	6.8	1.6	40	10.9	89
5	974.5	21.7	2.8	17.2	75	19.6	100	2.2	7	17.3	21.5	22.1	17.6	23.6	17.1	6.5	0.0	0	10.8	88
6	974.4	20.1	2.6	15.8	76	17.9	110	4.9	6	16.7	19.8	21.5	17.8	23.0	16.0	7.0	6.7	45	9.3	76
7	974.7	20.9	2.9	16.2	74	18.4	110	6.7	4	17.4	20.6	20.0	17.4	22.5	17.0	5.5	2.4	25	9.7	79
8	974.4	19.9	2.5	15.7	77	17.8	110	4.9	10	16.5	19.2	19.9	17.5	21.5	16.0	5.5	1.1	15	8.1	66
9	974.3	19.4	1.7	16.6	84	18.9	110	4.5	8	17.4	19.0	20.3	17.5	22.0	16.9	5.1	5.0	40	8.5	68
10	973.8	18.9	1.5	16.4	86	18.7	90	6.7	9	17.1	18.6	19.7	17.0	20.3	16.5	3.8	11.3	105	2.3	18
11	974.4	18.7	1.0	17.0	90	19.4	95	5.4	8	17.0	18.4	21.5	18.2	22.5	16.8	5.7	6.5	65	7.3	59
12	974.1	20.8	4.0	14.0	65	16.0	100	6.7	7	17.6	20.4	20.9	18.1	22.1	16.5	5.6	1.7	20	11.2	90
13	974.2	19.7	3.6	13.4	67	15.4	105	6.7	6	17.0	19.5	20.4	17.6	22.0	16.2	5.8	2.3	30	9.2	74
14	973.8	18.9	3.0	13.7	72	15.7	110	7.6	9	16.9	18.6	20.0	17.0	21.5	15.9	5.6	1.1	10	8.2	66
15	972.2	19.6	4.9	10.6	56	12.8	100	6.7	7	16.1	19.4	20.0	17.3	22.0	15.0	7.0	0.1	0	9.5	76
16	970.2	19.9	4.0	12.9	64	14.9	95	4.0	7	15.7	19.5	21.7	17.0	22.4	15.0	7.4	0.0	0	8.8	70
17	969.9	21.8	4.6	14.0	61	16.0	95	4.0	5	16.3	21.0	21.5	18.0	23.3	15.6	7.7	0.0	0	11.1	89
18	970.1	19.6	3.5	13.5	68	15.5	90	4.9	10	16.9	19.1	21.9	17.4	23.5	16.7	6.8	0.0	0	1.9	15
19	970.6	23.0	5.3	14.0	57	16.0	110	1.3	3	14.5	21.9	21.1	17.7	25.1	14.2	10.9	0.0	0	6.6	53
20	969.1	20.8	3.9	14.2	66	16.2	110	1.8	6	15.2	20.0	21.7	17.1	24.7	14.3	10.4	0.0	0	6.9	55
21	968.6	21.9	4.1	15.1	65	17.2	110	4.0	4	16.8	21.6	21.7	18.2	24.3	16.2	8.1	1.5	35	8.1	64
22	969.0	21.5	2.6	17.2	77	19.6	90	1.8	10	17.4	19.9	22.8	19.7	24.4	16.7	7.7	0.0	0	2.7	21
23	969.2	22.4	3.3	17.0	72	19.4	Calm	Calm	9	15.8	21.7	20.1	18.4	24.2	15.2	9.0	2.5	55	3.5	28
24	969.3	23.9	4.2	17.2	66	19.6	Calm	Calm	7	18.1	22.5	18.7	17.2	25.6	16.7	8.9	3.2	30	5.9	47
25	970.8	22.7	3.6	16.9	70	19.2	130	2.7	3	16.2	22.1	21.0	18.8	24.2	14.8	9.4	5.8	100	10.8	85
26	972.0	18.8	0.9	17.3	91	19.8	130	5.4	10	18.5	18.7	20.7	17.5	21.3	17.6	3.7	8.9	75	6.0	47
27	973.1	20.3	4.2	13.0	63	15.0	100	6.7	5	16.6	19.7	20.5	16.7	22.8	15.9	6.9	0.1	0	11.4	90
28	973.1	21.4	4.0	14.6	65	16.6	105	4.5	6	15.1	20.7	21.0	17.2	23.2	14.0	9.2	1.4	10	9.1	72
29	973.1	20.9	3.2	15.6	72	17.7	110	4.9	9	16.2	20.5	22.0	16.8	23.0	16.0	7.0	0.0	0	10.3	81
30	971.5	22.1	3.2	16.9	72	19.2	120	4.9	4	15.7	21.3	23.5	18.2	24.0	15.0	9.0	0.3	5	10.9	86
31	971.0	22.0	4.1	15.2	65	17.3	95	4.9	4	18.0	21.3	22.4	18.5	23.5	17.0	6.5	1.6	25	10.0	78
Mean	972.4	20.9	3.3	15.4	713	17.5	...	4.4	6.4	16.7	20.3	21.2	17.7	23.1	16.0	7.1	65.9	730	8.32	66.7
Average	970.0	21.1	3.2	15.8	716	17.9	...	3.7	6.3	....	....	....	....	23.1	15.6	7.5	62.8	...	7.42	59.5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+ 41.9 mbs.	Amount of Rain	- 46.2 mms.
Temperature of the Air	+ 3.5 °C.	Duration of sunshine	+ 27.0 hrs.
Vapour Pressure	+ 0.8 mbs.	Mean of Maximum temperatures	+ 3.0 °C
Relative Humidity	- 11.5 %	Mean of Minimum temperatures	+ 1.6 °C
Velocity of Wind	+ 0.6 m.p.s.	Absolute Max. temperature	+ 2.9 °C
Amount of Cloud	- 0.9	Absolute Min. temperature	+ 1.0 °C

Greatest Rainfall Intensity 5.2 mms. in 25 mins.

TABLE VII.-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of OCTOBER, 1943.

Month and Day 1943.	Atmospheric Pressure		Temperature of the Air.					Excess of Air Temp. over Evaporation Test	Temperature of the Dew point		Relative Humidity		Vapour Pressure	Minimum on the Grass.	Rainfall		Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
	Mean	Excess above Average	Daily Maximum	Daily Minimum	Daily Range	Mean	Excess above Average		Mean	Excess above Average	Sat 100 Mean	Excess above Average			Amount recorded by the Dines Pluviograph	Duration		
OCT.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs.	C	mms.	Min.	mms.	
1	1013.7	+ 0.9	25.3	18.5	6.8	21.4	0.0	3.2	16.1	- 0.2	72	- 1	18.3	16.0	0.0	...	7.0	2.5
2	1014.4	+ 1.7	25.3	18.3	7.0	21.5	+ 0.1	2.9	16.6	+ 0.3	74	+ 1	19.0	16.0	0.0	...	7.0	2.4
3	1014.3	+ 1.6	26.8	18.3	8.5	21.9	+ 0.4	2.6	17.7	+ 1.3	77	+ 4	20.2	15.2	0.2	5	6.2	3.8
4	1015.3	+ 2.7	26.0	18.9	7.1	21.8	+ 0.3	2.6	17.8	+ 1.4	78	+ 5	20.4	15.4	0.2	15	6.8	3.3
5	1016.4	+ 2.9	26.1	19.0	7.1	22.0	+ 0.4	2.5	18.0	+ 1.6	78	+ 5	20.6	15.1	0.0	...	6.0	4.4
6	1016.5	+ 4.0	26.0	17.7	8.3	21.4	- 0.2	2.7	16.9	+ 1.5	75	+ 2	19.2	13.6	0.5	27	5.8	4.0
7	1016.9	+ 4.5	25.7	19.1	6.6	21.6	- 0.1	2.9	16.9	+ 0.4	74	+ 1	19.2	16.8	0.5	10	6.1	3.6
8	1016.2	+ 3.9	25.1	18.3	6.8	21.3	- 0.4	3.0	16.4	- 0.1	74	+ 1	18.7	15.0	0.6	25	6.4	4.0
9	1015.3	+ 3.1	25.5	18.8	6.7	21.4	- 0.4	2.7	16.9	+ 0.3	75	+ 2	19.2	15.2	1.2	32	5.3	5.6
10	1015.0	+ 2.9	25.0	16.8	6.2	21.3	- 0.5	2.6	17.0	+ 0.4	77	+ 4	19.4	16.8	5.1	60	6.9	6.7
11	1015.6	+ 3.6	26.0	19.1	6.9	21.8	0.0	3.0	17.0	+ 0.4	74	+ 2	19.4	16.6	1.8	50	5.3	6.6
12	1015.2	+ 2.2	25.5	19.1	6.4	21.9	+ 0.1	3.8	15.6	- 1.1	67	- 5	17.7	16.6	0.3	15	7.5	5.1
13	1016.2	+ 4.3	25.4	18.1	7.3	21.3	- 0.6	3.6	15.2	- 1.5	68	- 4	17.3	14.5	0.0	...	6.4	5.1
14	1015.4	+ 3.6	25.2	17.6	7.6	20.5	- 1.5	3.0	15.4	- 1.4	73	+ 1	17.5	14.7	1.2	45	7.2	7.5
15	1012.8	+ 1.1	25.7	17.1	8.6	20.8	- 1.2	3.9	14.2	- 2.6	66	- 6	16.2	12.3	0.1	10	6.0	7.0
16	1011.4	0.2	25.3	15.9	9.4	20.3	- 1.8	3.1	15.0	- 1.9	72	0	17.1	10.8	0.0	...	7.1	5.8
17	1011.2	- 0.3	26.1	17.8	8.3	21.6	- 0.5	3.6	15.6	- 1.3	69	- 3	17.7	14.4	0.0	...	5.3	4.7
18	1011.4	0.0	26.2	17.1	9.1	21.6	- 0.6	3.1	16.6	- 0.4	73	+ 1	18.9	15.0	0.2	10	7.4	5.8
19	1010.7	- 0.7	26.2	15.1	11.1	21.0	- 1.2	2.7	16.5	- 0.5	75	+ 3	18.8	10.9	0.0	...	7.3	3.5
20	1009.4	- 1.9	26.9	15.0	11.9	20.9	- 1.4	2.9	16.0	- 1.0	74	+ 2	18.2	10.3	0.0	...	5.0	2.9
21	1008.9	- 2.4	27.4	16.9	10.5	22.2	- 0.1	3.0	17.2	+ 0.1	73	+ 1	19.6	12.2	0.0	...	6.1	3.8
22	1010.3	0.9	28.0	17.0	11.0	21.6	- 0.8	2.1	18.3	+ 1.1	81	+ 9	21.0	12.5	1.1	40	3.8	5.4
23	1010.4	- 0.7	27.1	17.1	10.0	21.9	- 0.6	2.2	18.4	+ 1.0	81	+ 9	21.2	14.0	0.0	...	4.1	4.8
24	1010.8	- 0.3	26.9	17.2	9.7	21.0	- 1.5	1.9	17.9	+ 0.5	82	+10	20.5	13.0	3.0	70	3.1	4.2
25	1011.8	+ 0.8	27.1	15.1	12.0	21.5	- 1.1	2.7	17.1	- 0.2	76	+ 4	19.5	11.3	0.9	25	2.9	3.1
26	1013.3	+ 2.4	26.2	19.3	6.9	21.7	- 0.9	2.9	17.0	- 0.3	75	+ 3	19.4	17.9	2.7	90	2.9	7.3
27	1014.9	+ 4.1	26.2	18.0	8.2	21.7	- 1.0	4.1	14.8	- 2.6	65	- 7	16.8	15.1	0.0	...	7.8	1.6
28	1015.2	+ 4.5	26.1	16.0	10.1	21.4	- 1.3	3.7	15.2	- 2.2	68	- 4	17.3	11.6	0.1	5	7.9	2.5
29	1014.6	+ 3.9	26.6	16.1	10.5	21.3	- 1.5	4.1	14.5	- 3.0	65	- 7	16.5	13.3	0.0	...	7.2	3.0
30	1012.6	+ 2.0	26.8	15.5	11.3	21.3	- 1.5	3.6	15.6	- 1.9	70	- 2	17.7	11.0	0.0	...	8.0	2.3
31	1012.8	+ 2.2	26.4	19.2	7.2	22.3	- 0.6	3.6	16.7	- 0.8	70	- 2	19.0	16.0			8.2	3.8
Mean	1013.5	+ 1.8	26.1	17.6	8.5	21.5	0.6	3.1	16.4	- 0.5	73.3	+ 1.0	18.8	14.1	Sum 19.7	Sum 534	6.1	4.4
Average	1011.7	...	26.8	16.0	8.8	22.1	...	3.2	16.9	...	72.3	...	19.1	14.9	40.4	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, 1943.

Anticyclonic conditions prevailed. Pressure was above normal from the 1st - 15th, below 16th - 24th and above 25th - 31st, the mean for the month being 1.8 mbs. above normal. Temperature was 0.6 C below normal, being above on 5 days only. As in September rainfall was short, being only 49% of the average. It was, however, well distributed. Cloud amount was 14% below and sunshine 12% above the normal.

The other elements were about normal.

TABLE VII (Ctd).-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of OCTOBER, 1943.

Month and day 1943	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.
OCT.	hrs.	%	m.p.s.	m.p.s.	°C	°C	°C	°C									
1	11.5	94	4.7	+ 1.1	23.6	23.1	22.9	22.8				bc				b	
2	11.5	94	4.0	+ 0.4	23.6	23.1	23.0	22.8		b_o		b			bc		
3	9.9	80	3.2	- 0.4	23.6	23.1	23.0	23.1			bc		c	bc		cr_o	bc
4	11.0	89	3.3	- 0.3	23.6	23.1	23.4	23.5		b		bc	c			bc	
5	10.8	88	3.6	0.0	23.6	23.1	23.5	23.4		bc		c			bc		
6	11.2	91	3.7	+ 0.1	23.6	23.1	23.5	23.6	b_o		b		b		bc		
7	10.8	88	4.3	+ 0.8	23.6	23.1	23.6	23.8		$Cr_o r_o$		bc		bcq		c	Cr_o
8	9.3	76	3.9	+ 0.4	23.5	23.1	23.8	23.7		bc	Cr	bc		cq		bc	
9	9.0	73	4.7	+ 1.2	23.5	23.1	23.7	23.8	bc		$Cr_o r_o$		cq			bc	
10	5.9	48	4.8	+ 1.3	23.6	23.1	23.7	23.7	C		Crr	Cr_o		cq		c	$Cr_o r_o$
11	9.0	73	4.4	+ 0.9	23.6	23.1	23.7	23.4	Cr	bc	Cr_o		cq		bc	c	Cr_o
12	11.5	93	4.7	+ 1.2	23.6	23.1	23.8	23.9		c	bc		bcq			bc	
13	10.8	87	4.3	+ 0.8	23.5	23.1	23.8	24.0	Cr_o	Cr	bc			bcq			bc
14	8.3	66	4.0	+ 0.5	23.5	23.2	23.8	23.7	bc		$Cr_o r_o$		cd_o	cq	$cqr_o r_o$		c
15	9.0	72	3.7	+ 0.2	23.5	23.1	23.8	23.6		c		Cr_o	bc		C		bc
16	9.0	72	3.2	- 0.2	23.5	23.2	23.8	23.6	C		bc		bcq	cqd_o		bc	
17	11.1	89	3.6	+ 0.2	23.5	23.1	23.8	23.5					bc				
18	8.7	70	2.9	- 0.5	23.5	23.1	23.9	24.1	Cr_o		c				bc		
19	7.0	56	2.2	- 1.2	23.5	23.1	24.0	24.5		b			bc		cr_o	bc	b
20	9.8	78	2.3	- 1.1	23.5	23.3	24.1	24.0	b_o		b				bc		
21	7.0	55	2.5	- 0.9	23.5	23.2	24.1	23.9					bc				
22	3.5	28	2.1	- 1.3	23.5	23.2	24.1	24.0		b		bc	c		$Cr_o r_o$		c
23	5.0	40	1.9	- 1.5	23.5	23.1	24.2	23.9			bc		cd_o	c			bc
24	4.3	34	1.9	- 1.5	23.5	23.3	24.2	23.9		b		bc	Or_o	Orr		c	
25	7.7	61	2.7	- 0.7	23.7	23.1	24.2	23.5		bc		b	c		Cr_o		bc
26	6.5	51	5.5	+ 2.1	23.7	23.0	24.1	23.6		Orr			c			bc	
27	11.7	92	4.5	+ 1.1	23.6	23.0	24.1	23.7		b		bc	bcq		bc		b
28	11.8	93	3.9	+ 0.5	23.6	22.9	24.0	23.8		b_o		b			bc		
29	9.1	72	3.7	+ 0.3	23.7	22.8	24.0	24.0				bc				b	
30	11.8	93	3.6	+ 0.2	23.6	23.0	24.1	24.1	b_o		b			bc			b
31	11.4	90	4.0	+ 0.6	23.6	23.3	24.1	24.3		b			bc				b
Mean	9.19	73.7	3.61	+ 0.14	23.56	23.11	23.80	23.72									
Average	8.18	65.5	3.47	...	24.43	24.03	23.98	24.39									
Col.	19	20	21	22	23	24	25	26					27				

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF OCTOBER, 1943.

Element	Highest	Date	Lowest	Date
Atmospheric Pressure	1018.0mbs. at 22 & 23hrs.	on 7th.	1007.3mbs. at 16.00hrs.	on 21st.
Temperature of the air	28.0°C	on 22nd.	15.0°C	on 20th.
Daily range of Temperature of the Air ...	12.0°C	on 25th.	6.2°C	on 10th.
Temperature of the Dew Point ...	20.7°C at 11.00hrs.	on 24th.	10.7°C at 09.00hrs.	on 15th.
Daily range of temperature of the Dew Point				
Minimum on Grass			10.3°C	on 20th.
Relative Humidity	96.9% at 03.00hrs.	on 4th.	42.2% at 12.00hrs.	on 30th.
Vapour Pressure	24.4mbs. at 11.00hrs.	on 24th.	12.9mbs. at 09.00hrs.	on 15th.
Evaporation in 24 hours	8.2mms.	on 31st.	2.9mms.	on 25th & 26th
Wind Velocity	7.8m.p.s. at 14.00hrs.	on 26th.	0.6m.p.s. at 08.00hrs.	on 23rd.
Rainfall in 24 hours	5.6mms. ending 03.00hrs.	on 11th.	09.00hrs.	on 25th.
Duration of sunshine	11.8hrs.	on 28th & 30th.	3.5hrs.	on 22nd.

Mean Day Temperature of Air 23.68°C Mean Night Temperature of Air 19.24°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 & over mms.	Lighting	Thunderstorm
...	10	16	5	...	10	6	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, 1943

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	141	151	150	154	166	171	174	179	162	159	158	167	160	171	150	122	Midnight
1h	136	149	144	150	161	166	171	170	158	151	151	161	159	165	147	119	1h
2	134	143	140	150	159	161	169	166	151	146	149	160	154	160	142	111	2
3	130	141	139	145	156	160	165	162	150	141	147	157	151	158	135	107	3
4	130	140	139	145	155	160	164	161	150	141	149	152	150	157	135	107	4
5	130	141	140	145	159	160	166	162	151	144	151	151	151	157	136	110	5
6	131	143	141	149	161	165	171	164	156	151	157	152	157	160	137	113	6
7	137	149	145	153	166	170	177	169	161	158	162	160	162	162	138	117	7
8	141	150	150	160	170	171	177	170	164	161	169	161	170	162	141	120	8
9	144	150	151	160	171	171	179	171	166	162	169	162	170	168	142	126	9
10	144	150	150	161	171	171	175	170	162	162	168	162	170	166	140	121	10
11	140	149	148	158	170	170	171	169	159	159	161	160	170	163	137	120	11
Noon	133	141	141	151	168	162	169	160	152	151	156	150	168	159	129	118	Noon
13h	129	139	137	146	161	160	160	151	144	148	148	142	161	153	120	110	13h
14	125	132	130	142	159	154	157	144	141	141	141	133	155	145	111	101	14
15	124	130	126	140	151	150	156	142	139	137	140	128	151	136	104	097	15
16	126	130	126	140	150	150	158	143	138	136	140	128	151	135	102	097	16
17	130	132	130	141	151	153	160	146	140	136	141	133	151	136	105	101	17
18	133	141	136	146	159	160	161	151	144	141	148	141	157	138	110	109	18
19	140	146	142	156	165	168	168	160	151	150	158	150	165	146	117	114	19
20	145	151	150	161	170	173	173	166	157	155	162	153	172	153	125	120	20
21	151	155	158	170	174	179	179	169	160	160	169	160	178	156	128	124	21
22	152	152	160	171	175	179	180	169	161	161	170	161	179	156	130	122	22
23	151	151	159	170	176	176	180	169	160	161	170	161	179	155	129	121	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	120	116	120	107	090	107	110	110	120	126	150	160	160	144	131	142	Midnight
1h	115	111	115	101	083	102	103	106	116	123	149	158	154	140	130	138	1h
2	112	110	111	099	081	100	100	101	112	120	140	152	148	131	121	133	2
3	111	107	110	095	080	095	100	100	110	120	139	150	142	129	120	131	3
4	111	108	109	095	080	095	101	101	110	121	140	150	142	127	120	131	4
5	111	110	110	096	080	099	106	107	110	126	144	151	150	127	122	132	5
6	113	114	112	100	086	101	110	110	115	130	150	152	151	128	124	136	6
7	118	119	115	103	090	106	112	110	120	133	155	156	156	130	130	140	7
8	120	122	117	110	094	110	115	110	126	140	158	159	157	130	131	143	8
9	120	126	117	110	093	111	117	111	130	140	160	159	158	132	132	144	9
10	120	125	112	103	091	110	112	110	128	140	160	157	156	130	131	143	10
11	116	120	109	099	090	108	110	110	124	139	156	153	151	130	130	140	11
Noon	111	112	103	093	087	101	101	109	120	133	151	150	144	121	124	134	Noon
13h	106	103	100	090	080	099	096	102	111	128	141	141	141	117	120	129	13h
14	102	100	096	081	075	093	091	101	108	125	136	140	132	111	116	123	14
15	100	099	094	077	074	090	090	100	105	123	131	136	131	110	113	120	15
16	100	099	092	074	073	090	090	096	106	123	135	131	130	108	114	120	16
17	103	101	096	077	080	093	093	096	109	126	137	136	130	111	118	122	17
18	108	110	100	081	088	100	100	101	117	132	142	142	134	116	124	128	18
19	110	118	102	089	097	104	103	110	121	139	151	151	140	121	130	135	19
20	115	125	104	091	102	110	110	116	129	143	159	160	145	129	140	141	20
21	116	126	108	095	110	114	114	120	130	150	162	163	151	132	146	145	21
22	118	127	109	098	110	116	113	121	131	151	163	169	154	136	150	147	22
23	117	125	108	094	110	116	111	123	130	153	162	165	153	136	150	146	23

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

Hour \ Day	OCTOBER, 1943.																															
	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	0	3	1	2	0	5	0	3	2	7	10	6	4	9	9	3	10	1	0	0	1	0	0	0	10	0	0	3	0	3	3.0
1h	3	0	3	1	2	0	4	0	3	2	9	8	9	4	9	9	3	10	1	0	0	1	0	0	0	10	0	0	3	0	3	3.1
2	3	0	3	1	3	0	4	0	3	2	6	8	7	4	9	9	2	10	1	0	2	1	1	0	0	10	0	0	3	2	3	3.1
3	3	0	3	1	3	2	4	1	3	2	4	8	5	4	9	9	2	10	1	0	4	1	1	1	1	9	0	0	2	2	4	3.2
4	3	0	1	1	3	2	3	1	7	4	5	6	8	4	7	4	2	9	1	1	4	1	1	2	1	9	1	0	4	0	4	3.2
5	1	1	2	1	4	2	3	2	7	6	8	5	7	6	5	5	2	9	1	1	4	9	2	1	0	9	1	2	4	2	4	3.7
6	1	1	2	1	4	2	4	2	7	8	6	4	4	8	8	4	2	9	2	2	5	9	2	1	0	9	3	2	5	2	5	4.0
7	2	1	4	6	7	5	5	3	8	9	10	4	5	8	10	7	2	7	2	3	4	9	4	2	0	9	3	2	6	2	5	5.0
8	3	2	6	7	7	5	6	5	9	10	9	3	7	8	8	9	2	7	2	3	3	9	6	4	0	10	3	3	8	3	5	5.5
9	4	3	7	7	7	7	5	5	9	9	8	3	4	9	6	7	6	6	1	3	3	9	8	5	2	8	3	3	7	3	4	5.5
10	3	3	6	7	7	6	5	8	8	9	6	6	4	4	6	5	4	6	4	4	4	9	8	7	4	8	3	3	7	3	4	5.5
11	4	4	7	7	6	7	5	8	8	8	9	5	5	6	3	7	4	5	5	6	5	8	7	10	5	8	3	6	6	3	4	5.9
Noon	4	5	8	6	5	7	5	7	9	9	6	7	5	8	5	9	4	5	7	6	6	8	7	9	7	9	3	6	2	3	3	6.0
13h	3	3	6	6	6	6	6	7	8	7	3	5	5	7	4	7	6	4	8	6	5	7	7	8	6	8	2	4	3	2	2	5.4
14	3	3	5	5	7	6	6	6	7	7	3	4	5	7	4	6	6	6	9	6	6	7	9	9	7	8	2	3	3	2	2	5.5
15	3	4	4	5	6	5	4	6	7	5	3	3	5	8	3	3	6	4	9	6	7	6	9	9	7	8	2	2	3	2	3	5.1
16	2	3	4	4	5	4	3	5	6	9	4	3	7	8	6	6	7	3	10	6	6	7	9	8	6	7	1	3	2	2	4	5.2
17	2	3	5	3	5	3	2	3	4	7	5	3	4	9	9	4	7	3	9	6	6	9	9	7	5	7	0	4	1	3	5	4.9
18	3	2	4	1	5	3	2	3	4	4	5	3	3	10	9	9	8	4	6	6	4	8	8	8	7	6	0	3	0	4	5	4.7
19	3	3	1	3	5	5	2	4	3	10	6	2	3	10	6	3	8	4	1	3	4	6	8	5	4	4	1	3	2	3	4	4.2
20	1	2	1	2	3	3	2	6	3	9	7	3	4	10	6	3	6	4	1	1	1	3	2	3	2	4	1	3	0	3	4	3.3
21	2	4	3	1	1	4	1	5	3	4	8	6	4	10	9	3	6	4	1	0	2	2	2	2	2	3	2	2	0	2	3	3.3
22	2	4	3	1	2	5	1	5	3	7	10	8	4	10	9	3	6	3	1	0	3	1	2	0	2	3	2	2	0	2	3	3.5
23	2	4	1	1	2	5	2	3	3	10	10	6	4	10	9	3	6	2	1	0	3	0	2	0	2	3	2	2	0	2	5	3.5

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

Hour ENDING \ Day	OCTOBER, 1943.																															
	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	6	6	0	0	0	0	0	0	0.2
7	27	45	0	11	4	39	0	26	0	0	15	47	36	12	0	42	36	0	60	40	57	0	51	60	60	10	37	45	27	57	18	14.4
8	60	60	44	60	55	60	53	60	0	6	2	60	56	54	0	31	60	0	60	60	60	0	37	60	60	0	60	60	60	60	60	22.6
9	60	60	60	60	60	60	55	60	31	17	15	60	60	40	52	45	60	45	60	60	60	0	56	60	60	17	60	60	12	60	60	25.4
10	60	60	53	60	53	53	60	58	60	12	47	60	60	42	60	12	60	36	60	60	60	11	55	40	60	27	60	60	1	60	60	25.3
11	60	60	60	60	60	55	60	2	60	45	60	60	58	60	60	60	60	54	48	60	60	0	21	27	60	60	60	60	21	59	60	26.5
Noon	60	60	60	60	60	60	60	40	60	40	60	60	60	50	60	54	60	60	23	36	60	3	10	0	1	45	60	60	48	50	60	24.7
13h	60	60	60	60	60	60	60	55	60	50	60	60	60	53	60	7	60	60	42	43	10	2	0	4	33	60	60	60	60	60	60	25.0
14	60	60	45	60	60	60	60	52	56	60	60	60	60	49	60	53	60	60	40	60	3	51	13	0	8	60	60	60	60	60	60	26.2
15	60	60	48	60	58	60	58	50	55	60	60	60	60	60	60	60	60	60	21	60	20	50	0	0	20	57	60	60	60	60	60	26.3
16	60	60	60	60	60	60	60	48	50	25	60	60	60	56	60	60	60	60	4	60	16	52	0	0	16	23	60	60	60	60	60	24.8
17	60	60	60	60	60	60	60	60	60	37	60	60	43	20	60	60	51	60	1	43	0	35	0	0	48	29	60	60	60	60	60	24.1
18	60	48	47	46	57	47	56	48	46	0	42	47	35	4	10	50	42	25	1	5	16	8	42	0	27	0	60	60	60	60	56	18.4
19	1	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	13	2	0	0	7	6	14	5	5	1.0

The Total Amount of Registered Sunshine was 284.9 hrs. and the Total Possible Sunshine was 387.2 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).

OCTOBER, 1943.

Day / Hour	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	19.2	2.4	19.2	1.8	19.9	1.3	19.3	0.8	19.4	0.8	19.6	1.4	20.0	1.2	19.2	0.9	Mid-night
1h	19.1	2.2	18.9	1.7	19.6	1.2	19.3	0.6	19.2	0.8	19.1	1.2	19.7	1.1	19.2	1.1	1h
2	19.0	2.2	18.6	1.6	19.2	0.9	19.4	0.4	19.1	0.9	18.6	1.3	19.5	1.2	19.1	1.1	2
3	18.8	1.4	18.4	1.4	19.0	1.0	19.3	0.3	20.0	1.0	18.1	1.0	19.1	0.9	19.0	1.4	3
4	18.8	1.6	18.4	1.3	18.9	1.0	19.4	0.7	20.1	1.0	18.2	0.8	19.2	1.0	18.8	1.4	4
5	18.7	1.6	18.9	1.6	18.9	0.9	19.4	0.7	19.3	0.8	18.1	1.0	19.3	1.1	18.9	1.5	5
6	18.8	1.7	19.0	1.6	18.9	0.9	19.6	1.3	19.0	0.7	17.7	0.9	19.2	1.1	18.3	1.1	6
7	20.8	2.7	20.8	2.4	20.2	0.9	20.2	0.9	21.1	1.2	20.2	1.6	20.9	2.0	20.1	2.1	7
8	22.3	3.4	22.6	3.5	22.2	2.2	22.7	2.9	22.7	2.6	22.5	3.2	21.8	3.0	22.7	4.2	8
9	23.1	4.1	23.6	4.5	22.8	2.8	23.7	3.8	24.7	3.6	23.1	3.8	23.1	3.6	23.0	4.6	9
10	23.8	4.8	24.1	5.0	24.5	4.3	24.6	4.4	25.0	4.6	23.2	3.7	24.6	4.9	23.6	4.7	10
11	24.2	5.4	24.6	5.1	26.4	5.9	25.1	4.5	25.6	4.6	24.2	4.6	24.9	6.0	24.0	5.6	11
Noon	24.6	6.0	25.0	5.7	26.5	6.3	25.3	4.8	25.3	4.5	24.9	4.9	24.8	6.2	24.3	5.3	Noon
13h	25.0	6.0	24.2	5.0	25.4	5.6	25.4	4.9	24.9	4.2	25.3	5.6	24.9	6.5	24.2	5.7	13h
14	25.0	5.7	24.0	4.4	25.3	5.1	25.2	5.1	24.9	4.5	25.1	5.2	24.8	5.4	24.8	5.4	14
15	24.5	5.3	24.3	4.8	25.0	4.8	25.1	5.2	24.7	4.2	25.0	5.3	24.3	4.6	24.2	5.3	15
16	23.2	4.3	24.0	4.7	24.9	4.8	24.5	5.0	24.1	4.1	24.0	4.3	23.7	4.9	23.3	4.3	16
17	22.2	3.3	23.1	3.9	24.0	3.9	23.7	4.1	23.3	3.6	23.1	3.6	23.0	3.9	22.7	4.3	17
18	21.2	2.7	21.9	3.0	22.6	2.6	22.3	3.1	22.3	2.7	21.7	2.9	21.2	2.4	21.4	3.1	18
19	20.4	2.2	20.7	1.9	21.5	1.7	21.0	2.0	21.4	2.0	21.0	2.1	20.9	2.4	20.3	2.3	19
20	20.2	2.0	20.2	1.5	20.5	1.2	20.9	2.0	21.2	2.3	20.3	1.8	20.6	2.2	20.0	2.0	20
21	20.1	2.0	20.1	1.2	19.7	0.7	19.9	1.4	20.9	2.2	20.1	1.6	20.2	1.8	20.1	1.5	21
22	20.0	1.8	19.7	1.2	19.7	0.6	19.9	1.4	20.1	1.6	20.0	1.3	19.9	2.0	19.8	1.6	22
23	19.7	1.8	20.1	1.4	19.3	0.7	19.2	1.0	20.0	1.5	19.9	1.1	19.7	1.7	19.3	1.0	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	18.9	1.1	19.9	2.2	19.8	1.3	19.9	1.7	19.6	2.4	18.9	2.3	17.6	1.6	17.1	1.6	Mid-night
1h	19.1	1.0	19.9	2.0	20.1	1.3	19.8	1.7	19.5	2.1	19.1	1.9	18.0	1.7	17.2	1.5	1h
2	19.2	0.9	19.7	1.8	20.0	1.1	19.9	1.9	19.0	1.4	19.3	2.1	17.5	1.5	16.2	1.2	2
3	19.1	1.2	19.9	1.9	19.3	1.1	19.6	1.6	18.3	1.2	19.6	2.8	18.1	1.4	16.2	1.1	3
4	19.4	0.9	19.2	1.0	19.2	1.0	20.0	1.8	19.0	1.6	19.7	2.9	18.3	1.9	16.4	1.2	4
5	19.6	1.0	19.1	1.0	20.0	1.5	19.1	1.2	19.0	1.8	19.1	2.1	17.6	2.0	16.8	1.2	5
6	19.8	1.2	19.0	0.6	20.2	1.5	19.9	1.9	19.1	1.9	18.8	1.6	17.6	1.6	17.0	1.2	6
7	20.1	1.3	19.2	0.7	20.8	2.1	21.7	3.4	20.5	2.9	19.1	2.1	19.0	2.0	19.2	1.8	7
8	21.0	1.6	20.6	1.3	21.4	2.2	23.1	5.2	21.9	3.9	22.0	4.4	21.0	4.5	21.3	3.4	8
9	23.2	3.9	22.2	2.8	22.3	3.0	24.5	6.3	22.7	4.6	20.4	3.5	23.2	7.0	22.0	4.0	9
10	24.2	4.2	23.1	4.1	24.3	5.2	24.6	5.7	24.0	5.7	23.9	5.5	24.0	7.3	23.1	5.6	10
11	24.7	4.9	23.7	3.8	24.3	4.9	24.6	6.0	24.9	6.5	24.7	5.8	24.7	6.8	24.3	6.3	11
Noon	24.9	5.0	22.2	2.6	25.0	5.1	24.2	5.7	25.1	6.5	23.6	4.6	24.9	7.6	23.0	4.5	Noon
13h	25.1	5.2	24.4	4.8	25.3	6.1	24.9	6.8	24.3	5.9	24.1	5.3	24.7	7.2	23.6	4.5	13h
14	24.1	4.6	24.2	5.0	25.0	5.9	25.1	7.1	24.7	6.0	23.6	5.4	24.2	6.5	24.8	6.5	14
15	24.1	4.8	24.7	6.0	24.7	6.0	24.6	6.3	24.3	5.7	23.1	4.8	23.5	5.7	24.7	5.9	15
16	23.1	4.1	23.0	4.0	23.9	4.7	23.9	5.5	23.2	5.2	22.1	4.0	23.1	5.3	23.8	5.3	16
17	22.4	4.3	22.7	3.7	22.8	4.1	22.8	4.3	22.7	5.0	20.1	1.9	22.7	4.9	23.1	4.8	17
18	21.4	3.2	21.2	2.5	21.3	2.9	21.5	3.4	21.3	3.8	19.0	1.0	21.1	3.7	21.4	3.9	18
19	20.4	2.4	21.1	2.4	21.2	2.8	20.8	3.1	20.2	2.9	19.0	1.4	21.0	3.7	20.1	2.6	19
20	20.2	2.2	21.0	2.0	21.2	2.4	20.2	2.3	19.2	2.3	18.5	1.6	19.9	3.0	19.3	1.9	20
21	20.1	2.1	20.2	1.7	21.1	2.1	20.8	2.8	19.7	2.3	18.9	2.1	20.1	3.0	19.0	1.9	21
22	20.1	2.4	20.9	2.5	20.1	1.7	20.8	3.3	19.9	2.6	18.1	1.9	19.0	2.1	18.9	1.8	22
23	19.9	2.4	19.8	1.2	19.6	1.3	19.8	2.5	19.7	2.5	17.8	1.9	18.1	2.1	18.7	1.6	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).

OCTOBER, 1943.

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	18.6	1.6	19.6	1.7	17.1	0.9	18.3	1.3	16.9	0.9	19.8	1.4	20.2	0.7	19.9	1.2	Midnight
1h	18.2	1.6	19.2	1.7	17.2	0.9	17.3	1.2	18.3	0.9	18.0	1.3	20.0	0.7	19.8	1.1	1h
2	18.1	1.8	19.1	1.2	16.9	0.9	16.3	1.1	19.2	1.2	18.0	1.0	19.0	0.8	19.2	1.0	2
3	18.0	1.8	19.6	1.3	16.8	0.8	16.0	1.1	19.1	1.1	18.3	0.9	18.0	0.7	19.0	1.1	3
4	17.9	1.8	19.8	1.6	16.1	0.8	15.8	1.1	19.1	1.3	18.0	1.0	17.7	0.7	18.2	0.9	4
5	17.9	1.9	19.4	1.4	15.9	0.9	15.5	0.9	18.2	1.2	17.1	0.9	18.1	0.6	17.2	0.6	5
6	18.0	1.9	19.2	1.1	15.9	0.9	15.3	0.7	20.0	2.2	18.2	0.7	18.7	0.6	18.1	0.8	6
7	21.0	3.3	19.7	2.3	20.6	2.8	20.6	2.1	22.3	3.2	20.1	0.9	21.2	1.2	22.5	2.5	7
8	23.0	4.2	20.1	1.6	23.2	4.8	22.9	3.4	23.8	3.9	21.7	1.7	22.2	1.3	24.3	3.8	8
9	23.7	4.7	22.7	3.2	24.9	6.0	24.7	5.6	25.5	5.9	23.1	2.5	25.1	3.1	25.7	5.4	9
10	24.7	5.7	24.2	4.9	25.0	5.6	25.2	5.9	26.1	6.1	24.1	3.9	26.0	3.8	25.9	4.9	10
11	24.8	5.6	25.2	5.3	26.0	5.4	26.0	6.5	27.0	6.7	24.3	3.3	24.7	2.7	24.1	2.2	11
Noon	25.2	5.8	25.4	6.1	25.0	4.4	24.8	4.7	26.9	5.9	24.7	3.7	25.1	3.4	23.2	1.9	Noon
13h	25.1	6.2	25.3	6.2	24.6	4.0	25.2	4.6	25.8	4.6	25.2	3.3	25.7	4.1	24.6	3.0	13h
14	25.3	6.0	25.2	6.1	25.2	4.8	25.3	4.6	25.0	3.9	27.1	4.7	24.0	2.8	21.2	1.3	14
15	24.7	5.9	25.1	6.0	24.6	4.6	25.2	4.9	25.1	4.3	27.6	5.1	24.1	3.1	21.1	1.1	15
16	24.8	6.3	24.1	5.6	24.3	4.2	25.1	4.8	24.7	4.7	26.3	4.3	24.1	3.1	22.1	2.1	16
17	23.9	5.9	23.8	5.4	23.0	2.7	23.8	4.0	24.1	4.1	23.5	2.0	24.1	3.2	22.1	2.5	17
18	22.7	4.2	22.3	3.8	22.1	1.9	23.1	3.1	22.5	3.0	21.7	1.6	23.6	3.9	21.2	2.1	18
19	21.7	2.7	21.8	2.9	21.1	1.8	20.8	2.3	21.2	1.9	21.1	1.1	22.2	3.4	20.3	1.2	19
20	21.1	2.0	21.6	2.6	20.1	1.9	19.4	2.1	21.2	1.8	20.6	1.0	21.0	2.3	20.0	1.1	20
21	20.2	1.6	20.9	2.2	19.9	1.9	18.1	1.7	20.8	1.8	20.1	1.2	20.1	1.6	19.0	1.0	21
22	19.9	1.9	19.1	1.6	19.9	2.0	18.0	1.8	19.9	1.4	19.9	1.6	20.0	1.4	18.1	1.0	22
23	19.7	1.9	18.2	1.2	19.1	1.7	18.7	1.8	19.0	1.0	19.9	1.4	20.0	1.7	18.1	1.0	23

Day / Hour	25d. Air	25d. Excess of air over Evap.	26d. Air	26d. Excess of air over Evap.	27d. Air	27d. Excess of air over Evap.	28d. Air	28d. Excess of air over Evap.	29d. Air	29d. Excess of air over Evap.	30d. Air	30d. Excess of air over Evap.	31d. Air	31d. Excess of air over Evap.	Mean Air	Mean Excess of air over Evap.	Day / Hour
Midnight	18.0	1.0	20.9	1.3	19.5	2.2	20.2	3.7	19.1	1.9	16.1	1.6	19.6	1.2	19.1	1.6	Midnight
1h	16.9	1.0	20.9	1.4	19.3	2.2	19.1	3.4	18.9	1.3	16.7	1.1	19.8	1.3	18.9	1.4	1h
2	16.1	1.0	20.5	1.2	19.2	2.2	17.7	2.4	18.4	1.4	18.2	1.4	19.7	1.3	18.7	1.4	2
3	16.3	0.9	20.6	1.2	18.9	2.3	16.9	1.4	18.0	1.3	17.5	1.0	20.3	1.9	18.6	1.3	3
4	16.0	0.9	20.3	1.0	18.7	2.1	16.6	1.6	18.1	1.4	18.2	1.3	20.2	1.9	18.5	1.3	4
5	16.0	0.9	20.1	0.9	18.6	1.8	16.4	1.6	17.8	1.3	17.4	1.4	19.5	1.4	18.3	1.3	5
6	17.1	0.8	20.1	1.1	18.4	1.4	16.2	1.0	18.1	1.3	18.4	1.9	19.8	1.2	18.5	1.2	6
7	21.1	2.4	21.0	1.6	21.6	4.1	21.8	3.6	20.2	2.2	21.0	2.3	21.7	2.4	20.6	2.1	7
8	23.3	3.7	21.1	1.7	23.2	5.3	23.9	5.4	23.0	4.2	21.9	2.9	23.1	3.6	22.3	3.3	8
9	25.1	5.0	22.1	2.6	23.6	5.0	24.4	5.4	23.3	5.3	22.9	3.9	24.1	4.7	23.5	4.3	9
10	25.6	5.3	23.1	3.3	24.7	6.4	25.0	6.5	24.5	6.4	23.0	4.0	25.0	5.0	24.4	5.1	10
11	25.1	4.7	24.0	4.1	25.3	7.1	25.2	5.7	25.0	6.0	24.1	4.1	25.5	5.5	24.9	5.2	11
Noon	26.0	5.2	24.6	4.7	25.2	6.6	25.2	5.5	25.9	7.7	26.0	8.0	25.9	6.4	24.9	5.3	Noon
13h	25.7	4.9	24.7	5.2	25.6	7.3	25.3	5.8	26.0	6.8	26.1	7.6	25.9	6.4	25.0	5.4	13h
14	25.2	4.7	24.1	4.1	25.3	6.3	25.4	6.2	25.9	7.5	26.0	7.0	25.7	6.5	24.9	5.3	14
15	25.1	4.8	23.9	4.9	24.8	6.4	25.0	6.2	25.8	7.8	25.7	6.6	25.3	6.2	24.6	5.2	15
16	24.7	4.6	24.0	5.3	24.3	6.1	24.8	6.1	24.9	6.9	24.8	6.3	24.8	5.7	24.1	4.9	16
17	24.1	4.0	22.5	4.6	23.7	5.4	23.5	5.0	24.0	7.4	23.6	5.5	23.9	4.9	23.2	4.2	17
18	22.0	2.0	21.5	4.0	21.8	4.7	22.2	3.9	22.2	5.7	22.0	3.3	22.2	3.4	21.8	3.1	18
19	21.4	1.7	21.2	3.9	20.5	3.9	20.9	2.9	20.5	4.1	20.9	2.7	21.4	3.0	20.9	2.5	19
20	21.1	1.7	20.7	3.5	19.3	2.9	20.1	2.2	19.2	2.7	20.5	2.3	20.8	2.2	20.3	2.1	20
21	21.1	1.4	20.0	2.9	18.7	1.3	19.9	2.3	18.6	2.2	19.7	1.7	20.8	1.9	20.0	1.9	21
22	20.9	1.1	19.5	2.5	19.7	2.2	19.3	1.3	18.4	2.1	19.6	1.6	20.7	2.2	19.7	1.8	22
23	20.6	1.1	19.3	2.3	20.4	3.0	19.3	1.8	17.5	1.5	19.5	1.6	20.2	1.9	19.4	1.7	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during OCTOBER, 1943.

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 asterisk *).

OCTOBER, 1943.

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.
Mid-night	10	2.6	09	4.1	09	3.4	08	1.8	09	2.0	10	2.3	09	2.8	10	2.5	10	2.1	10	3.9	09	2.8	09	2.9	10	3.1	10	2.9	10	1.9	11	1.5
1h	10	3.0	09	3.4	08	2.4	08	1.7	08	2.7	10	2.0	09	2.4	09	3.4	10	2.1	10	4.5	09	3.2	10	3.5	10	3.1	10	2.1	12	1.5	11	2.0
2	09	2.8	09	3.2	08	2.8	09	1.9	08	2.2	10	2.0	10	3.2	10	3.0	10	2.3	11	3.7	10	2.7	09	3.4	09	2.1	09	2.6	12	2.2	11	1.5
3	09	4.3	09	3.3	08	1.8	10	1.8	08	2.9	10	2.1	10	2.9	10	2.2	10	2.9	10	4.0	09	3.3	10	2.8	09	2.0	10	3.2	09	1.8	11	1.7
4	09	4.6	09	3.3	08	2.2	09	2.4	08	2.6	10	2.2	11	2.7	10	2.0	10	2.3	10	4.8	10	2.6	10	3.0	10	2.9	10	2.6	11	2.9	11	1.5
5	11	3.5	09	3.0	08	2.7	09	1.6	08	1.8	10	2.1	10	3.7	10	2.2	11	3.1	10	2.7	10	2.5	10	2.8	10	3.2	11	2.6	10	2.4	11	2.0
6	10	3.4	10	3.1	08	2.1	07	1.8	08	2.0	10	1.4	10	3.2	10	2.8	09	3.5	09	4.1	10	3.3	10	3.3	10	3.5	09	3.1	12	2.4	11	1.8
7	10	3.4	10	3.2	09	2.4	06	3.1	10	2.1	10	1.8	10	2.7	10	2.4	08	3.3	10	3.1	11	3.9	09	4.0	09	4.2	11	3.3	07	2.4	11	2.1
8	09	5.8	10	5.0	08	3.6	05	4.5	10	3.5	10	3.5	10	4.5	10	4.6	11	5.6	08	4.5	10	5.0	09	4.5	09	5.5	10	6.0	10	3.8	09	4.8
9	08	6.9	08	5.0	05	4.0	05	4.6	09	3.3	10	4.2	08	5.4	10	5.0	08	5.4	09	6.3	08	5.5	10	7.4	08	6.5	10	5.9	10	5.2	07	5.0
10	07	6.9	06	5.1	07	4.8	06	4.5	08	4.7	10	4.8	09	6.0	11	5.7	09	5.4	10	6.5	08	6.9	11	7.2	07	6.5	11	6.4	09	5.7	06	4.4
11	09	5.7	06	5.3	07	4.7	03	5.4	06	4.5	12	5.3	09	5.9	10	5.8	10	6.6	10	7.4	08	5.6	08	4.6	09	6.3	10	7.2	10	6.2	06	5.0
Noon	08	6.4	05	5.0	07	4.9	04	5.8	05	4.7	09	5.2	10	6.4	11	6.1	10	7.2	10	6.6	08	6.2	10	6.8	10	7.0	09	5.2	08	4.7	07	4.7
13h	07	5.7	07	5.4	05	4.9	04	4.2	08	5.3	08	5.2	09	4.6	10	5.7	08	6.7	10	7.4	09	7.5	09	6.4	10	6.3	11	7.2	11	6.7	09	4.4
14	09	5.8	06	5.1	06	4.3	06	4.8	08	5.0	11	6.2	09	6.8	12	6.0	08	6.0	08	6.6	08	4.9	10	6.3	10	6.5	10	6.3	11	6.0	08	4.4
15	08	5.7	08	5.0	07	4.8	05	4.9	07	5.4	08	6.8	11	5.6	08	5.6	11	6.8	08	6.6	09	6.5	10	6.3	09	6.6	10	5.8	10	4.7	07	4.2
16	08	5.7	09	5.1	06	4.5	06	4.6	07	5.4	11	6.2	11	5.5	09	5.5	08	6.8	09	5.6	09	5.1	09	6.4	09	5.5	11	6.4	10	5.6	08	4.6
17	08	5.5	08	4.8	08	4.1	07	4.1	08	4.7	10	5.5	11	6.0	09	5.4	09	6.7	09	6.4	08	5.2	11	5.7	09	5.6	09	4.0	10	5.4	09	4.2
18	09	4.2	09	3.4	07	2.9	07	3.4	09	4.4	10	4.2	10	5.4	11	4.2	08	5.7	08	4.2	08	5.3	11	4.0	09	3.5	10	3.1	11	4.6	09	3.7
19	10	4.1	09	2.7	07	1.9	08	2.2	08	3.6	09	3.1	10	4.2	11	3.1	09	5.0	10	3.2	08	4.9	11	4.8	10	2.5	11	2.2	10	3.7	09	2.2
20	09	3.5	10	3.2	07	2.2	08	3.0	08	4.4	09	3.0	10	4.4	11	2.4	09	4.6	09	4.0	09	3.8	09	3.9	10	1.5	11	2.9	10	2.2	09	2.1
21	09	4.3	09	2.8	07	1.8	08	2.2	09	4.1	10	3.1	10	2.4	11	2.8	09	4.4	11	3.6	09	1.9	09	4.1	10	3.5	11	2.1	11	2.0	09	2.4
22	09	4.0	09	2.7	07	2.6	09	2.2	10	3.2	11	3.1	10	4.6	10	2.5	09	4.3	09	3.6	08	3.3	09	4.3	10	3.4	11	1.8	10	2.1	09	2.8
23	09	4.0	09	3.0	07	2.5	09	1.9	10	2.4	10	2.5	09	3.0	10	2.1	10	4.2	09	3.4	09	3.3	10	3.2	10	3.2	11	1.5	10	1.8	09	3.0

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.	
Mid-night	09	2.8	09	2.0	10	1.8	11	1.2	13	2.1	14	1.8	08	1.8	12	1.1	12	1.1	10	4.7	10	4.1	07	2.9	11	3.1	10	1.1	10	3.3	2.5
1h	10	2.6	09	2.2	10	1.4	11	1.0	13	2.1	15	1.1	08	1.4	12	1.1	12	1.0	10	4.5	10	3.6	08	2.5	12	1.9	10	1.7	10	3.0	2.4
2	10	3.1	07	2.9	10	1.7	11	0.7	13	1.9	14	2.5	08	1.2	12	1.4	12	1.0	09	4.6	09	4.4	10	2.0	12	1.6	12	1.9	10	2.3	2.4
3	09	3.1	10	2.2	10	1.4	16	1.3	11	1.7	13	2.2	11	2.0	12	1.2	12	1.1	09	4.6	10	3.6	10	2.0	11	2.8	12	1.7	10	3.0	2.5
4	09	2.8	10	2.7	10	1.5	16	1.2	14	1.8	13	1.7	11	1.9	12	2.0	12	1.2	10	4.2	10	3.2	10	2.2	10	3.2	12	1.6	11	2.7	2.5
5	09	2.8	10	2.5	10	1.2	16	1.1	14	1.2	13	2.0	11	1.9	12	1.9	12	1.5	09	4.4	09	3.0	10	1.9	10	2.2	11	2.1	11	2.1	2.4
6	09	3.2	10	2.0	10	0.8	16	1.2	14	3.5	10	1.8	11	2.1	13	1.5	12	2.8	09	3.4	09	3.5	10	1.8	10	1.8	11	2.0	11	3.1	2.6
7	09	3.3	08	2.8	10	1.0	11	1.4	13	4.1	10	1.4	11	1.1	13	1.1	12	1.3	09	5.2	09	4.1	11	3.0	09	3.0	09	4.0	09	4.1	2.8
8	07	4.0	08	4.0	10	2.9	08	2.9	12	4.0	10	3.2	11	0.6	12	1.3	12	1.2	08	5.5	08	6.0	08	4.2	10	4.7	10	5.2	09	4.9	4.2
9	07	4.3	08	4.1	10	2.5	09	3.5	10	4.1	11	3.1	06	1.1	10	2.2	09	0.6	09	6.3	09	6.5	08	4.8	09	5.9	11	4.7	09	5.6	4.7
10	07	5.1	07	4.0	09	2.9	08	3.5	08	4.3	12	1.7	r27	1.7	06	1.5	09	4.3	09	6.9	10	6.6	08	4.4	08	5.5	08	5.1	08	5.3	5.0
11	08	4.9	08	3.8	05	3.7	09	3.6	11	4.4	d24	2.1	30	2.4	r24	1.9	d21	2.9	08	7.7	08	6.3	08	5.3	08	6.1	09	4.8	10	4.6	5.0
Noon	07	5.8	05	4.8	d20	5.0	d21	4.2	d21	2.2	19	2.5	24	2.0	25	2.3	25	2.6	08	7.7	08	6.4	09	5.7	09	6.1	08	5.1	08	6.1	5.2
13h	08	4.1	08	4.7	22	4.7	22	4.8	22	2.0	23	2.7	26	3.4	24	3.0	26	2.2	08	7.7	08	6.4	06	5.6	10	5.0	08	5.1	08	5.2	5.2
14	05	4.8	08	4.3	22	3.5	24	4.9	21	2.1	24	3.1	20	3.4	r08	3.7	r18	1.4	08	7.8	08	5.6	09	6.0	10	5.6	08	5.4	10	5.1	5.1
15	09	4.6	05	4.5	21	3.0	24	4.0	16	2.5	22	3.2	20	2.3	09	2.0	r10	3.6	11	7.0	08	6.2	09	5.5	12	5.0	08	4.9	08	5.6	5.0
16	08	3.8	06	4.1	27	2.0	23	3.7	r05	1.8	23	2.5	20	2.6	13	3.6	13	4.3	11	7.6	08	5.5	10	6.8	09	5.2	08	5.4	11	5.6	4.9
17	09	4.1	06	3.2	r03	1.8	25	2.1	d14	2.5	d04	2.0	22	2.6	13	2.6	11	4.5	10	6.5	09	5.3	09	6.1	12	4.2	09	5.7	09	4.9	4.6
18	10	3.2	07	2.0	02	1.3	22	1.3	09	2.8	08	2.1	16	2.2	13	3.3	11	3.3	12	4.4	09	3.8	11	4.1	12	3.9	10	4.4	11	4.4	3.6
19	11	3.2	07	1.3	02	0.7	r10	1.7	11	2.2	08	1.5	14	2.7	12	1.8	10	3.8	10	4.5	09	2.6	11	3.2	10	3.0	09	3.4	09	3.3	3.0
20	10	3.5	10	1.8	09	1.6	10	0.9	11	1.6	08	1.3	09	1.6	12	1.2	10	4.1	09	4.8	10	2.3	11	3.4	10	2.2	10	2.9	09	3.1	2.8
21	10	3.2	10	1.0	11	1.8	10	0.7	11	1.4	05	1.2	12	1.8	12	0.9	09	4.1	11	3.9	10	2.5	10	3.8	10	3.1	09	3.0	10	2.2	2.6
22	09	3.1	10	1.8	10	2.6	12	1.3	11	1.8	05	1.8	12	1.9	11	1.7	12	4.8	10	4.7	08	3.6	10	3.1	10	2.1	09	2.7	10	3.1	2.9
23	09	1.9	10	1.7	11	1.9	13	2.0	11	1.9	05	2.1	12	1.2	11	1.4	11	5.5	09	[illegible]	08	3.8	10	2.6	10	1.7	10	2.6	10	3.1	2.7

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), OCTOBER, 1943.

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	13	8	–	1	–	–	–	–	–	–	–
9	–	10	21	–	–	2	1	18	8	2	–	–	–	–	–	–	–	–	–
15	–	14	17	–	–	2	–	16	4	4	–	1	–	2	1	1	–	–	–
21	–	–	31	–	–	1	–	11	10	9	–	–	–	–	–	–	–	–	–
Totals				–	–	5	1	54	35	23	–	2	–	2	1	1	–	–	–

TABLE XIVa.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for OCTOBER, 1943.

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
1h	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.
2	...	...	...	0.1	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...
3	...	...	...	0.1	...	...	0.1	...	0.3	...	0.2	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...
4	...	...	...	...	...	...	0.2	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...
5	...	...	...	...	...	...	...	...	0.2	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8	...	...	...	...	...
6	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	0.7	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	0.6	...	...	...	...	...
8	...	...	...	...	...	...	...	...	0.3	...	...	...	...	0.1	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	0.2	0.4	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	0.4	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	0.6	...	...	...	...	...	...	...	...	...	...	...	...	...	1.3	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.6	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.6	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	...	...	...	...	...	0.5	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	0.2	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	0.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	0.4	...	0.3	...	...	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...	0.9	...	...	0.1	...	...	...
24	...	...	...	...	...	0.1	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XIVb.—RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for OCTOBER, 1943.

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
1h	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.
2	...	...	...	0.8	...	...	...	0.1	0.3	...	1.4	...	1.2	...	...	...	...	...	...	...	0.9	...	...	...	...	0.3	...	...	...	...	...
3	...	...	...	0.3	...	...	...	...	0.9	...	0.1	0.4	0.4	...	...	...	...	...	...	...	...	...	...	...	...	4.8	...	...	...	0.2	...
4	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	0.5	...	...	...	...	1.3	...	...	...	0.1	...
5	0.1	...	...	...	...	...	...	...	0.4	...	0.9	0.9	...	0.2	...	...	...	...	...	...	...	...	...	...	...	0.6	...	...	...	...	...
6	0.1	...	...	...	...	...	...	...	0.9	0.3	...	...	0.7	0.5	...	...	...	...	...	...	...	...	...	...	...	0.6	...	...	...	...	0.1
7	...	...	...	...	...	...	...	...	0.3	1.0	1.3	0.3	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.2	...	...	...	...	...
8	...	...	...	...	...	...	...	...	0.3	0.7	0.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	0.1
9	...	...	...	...	...	...	...	...	1.9	...	0.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	3.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	1.4	...	...	...	...	...	...	...	...	...	...	...	...	1.3	0.3	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	2.6	0.2	...	...	...	...	...	...
17	...	...	...	...	...	...	...	0.3	...	0.9	...	...	...	...	...	...	...	...	...	...	...	...	0.2	0.3	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	0.9	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...
19	...	...	...	...	...	...	0.9	0.2	...	0.2	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...
20	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	0.3
21	...	...	...	...	...	0.3	0.9	...	...	2.0	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	0.4
22	...	...	...	...	...	3.6	...	0.4	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...
23	...	...	...	...	...	2.2	0.1	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...	2.0	...	...	...	...	...	0.1
24	...	...	...	...	...	0.4	0.2	...	...	0.4	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...	0.9	...	...	...	...	...	...
	...	...	...	...	...	0.2	0.1	0.1	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.6	...	...	1.4	...	...	0.6

TABLE XV.-TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS according to RIVER SYSTEMS indicated on the CHART for OCTOBER, 1943.

RIVER SYSTEM.	STATIONS	Approximate Altitude in feet.	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20	1.00	25.4	2.16	
	St. Antoine	50	0.51	13.0	1.48	
	Bel Mont	50			1.68	
	Poudre d'Or	20			1.74	
	Mon Loisir S.E.	300	1.09	27.7	2.28	9
	Forbach	300	2.16	54.9	2.06	2
	Couroupa	...			1.86	
	Labourdonnais	290	1.73	44.0	2.01	7
	Mapou Water Office	...		No Record	...	
	Beau Sejour	300	2.53	64.3	2.49	10
	Mont Piton	650	2.32	58.9	2.52	8
	Mon Choix	700	2.32	58.9	2.27	6
	Antoinette	640	2.96	75.2	2.33	10
	Mon Songe	620	3.27	83.1	2.53	8
	Botanical Gardens	325	1.53	36.8	2.09	19
	The Observatory	179	0.78	19.7	1.67	17
	Solitude	175	0.58	14.7	1.18	2
	St. Andre-cour	90			1.43	
	La Nicoliere	...	2.05	52.1	2.07	12
	California	...	2.60	66.0		5
	Australia	...	2.84	72.1		
2 & 3	Union Flacq S.E.	600	1.18	30.0	2.39	3
	Constance La Gaite	100	.98	24.9	2.21	7
	Rich Fund	600	2.61	66.3	2.64	6
	La Joffrette	...	1.80	45.7		6
	Belle Vue Allendy	...	1.15	29.2	2.70	6
4	Sans Souci	900	6.71	170.4	5.51	19
	Beau Champ G.R.S.E.	20	0.59	15.0	2.32	9
	Olivia	400	0.83	21.1	4.13	8
	Trois Ilots	...	0.34	8.6		8
	Belle Rive	400	1.47	37.3	5.11	14
	Sebastopol	700				
	Bonne Veine	400	4.47	113.5	5.05	16
5	Rose Belle	850	2.42	61.5	6.19	25
	New Grove	650	2.05	52.1	6.36	10
	Mon Tresor	...	0.73	18.5		5
	Mon Desert-Carie	75	0.04	1.0	2.80	1
	Ferney	20			3.50	
	Sauve Terre	...	0.05	1.3		2
	Tivoli	1300	2.12	53.8	5.69	7
	La Flora	1050	2.36	59.9	5.28	12
	Riche Bois Britannia	650	1.45	36.8	4.08	7
	Britannia Estate	700	1.62	41.1	4.35	11
6	Savannah Mill	200	.34	8.6	2.79	3
	St. Aubin	300	.48	12.2	2.75	4
	St. Avold	900	1.63	41.4	4.33	10
	Colmar	400	1.77	45.0	3.35	9
	Union S.E.	...	0.25	6.4	2.31	
	Fontenelle	320	0.33	8.4	2.92	
	Choisy	200	0.89	22.6	2.30	5
	Beau Bois	...	1.13	28.7	...	10
	Bel Air	...	0.21	5.3	2.53	1
	St. Felix	...	-	-	...	-
7,8,9 & 10	Bel Ombre	40	1.19	30.2	2.22	7
	Beau Champ B. du Cap	70	0.61	15.5	2.15	5
	Frederica	...	1.07	27.2	2.76	6
	Pierre-Fonds	...	1.01	25.7	1.83	9
	Ste. Marie	...	0.83	21.1	...	5
	Hussonia	...			...	
11	Curepipe Gardens	1840	5.27	133.9	4.64	12
	Mare aux Vacoas G.E.nd	1850	3.80	98.8	5.87	15
	Mare aux Vacoas Arnaud	1830	4.62	117.3	5.79	21
	La Marie Filter Beds	1700	2.97	75.4	3.60	11
	Sophie	...		No Record	...	-
	Reunion	1420	2.26	57.4	2.97	10
	Aerological Station	1393	2.60	65.9	2.65	21
	Phoenix	...	1.49	37.8	...	4
	Quatre Bornes	...	0.55	14.00	...	4
12	Quatre Bornes Board	1090	.36	9.1	1.57	3
	Le Reduit Agr. Dept.	1000	0.74	18.9	1.75	20
	Alma	1460	3.93	99.8	3.68	16
	Bagatelle	1250	1.26	32.0	2.05	7
	Highlands	1300	1.36	34.5	3.21	7
	Trianon	950	0.75	19.1	1.86	6
	Val Dry	1100			2.04	
	Bassin	...	.77	19.6	2.00	6
	Hermitage	1450	3.21	81.5	3.66	7
	Ebene	...	0.50	12.7	...	6
	Bega	...	0.26	6.6	...	4
	Mon Reve	...	1.01	25.4	...	6
	Mont.Pevril	...	0.68	17.3	...	6
	Minissy	1150	1.09	27.7	2.15	6
	Plaisance	...			...	
	La Ferme	350	0.39	9.9	1.20	5
13	Line Barracks	...	0.13	3.3	...	4
	Richelieu Tobacco Res. Station	...	0.00	0.0	...	-

TABLE XVI, PILOT BALLOON OBSERVATIONS FOR THE MONTH OF OCTOBER, 1943.

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,500 metres		2,000 metres		2,500 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.
1	9.40					106	12.1	112	10.8	118	9.5	087	7.4	086	2.2	067	3.3						
2	8.33					099	10.9	095	9.8	095	9.3	081	5.8	127	0.4	234	1.4	128	1.8				
3	8.12					082	6.6	078	5.9	078	5.6												
4	8.43					062	7.2	065	9.7	073	10.1	069	8.3										
5	8.40					101	6.1	094	7.0	079	7.3	081	8.5	082	3.8								
6	14.00					122	11.8	122	8.3	128	8.4	132	5.3	086	5.4	113	6.4	131	7.6	142	7.4	112	9.1
7	8.15					103	10.0	105	11.9	105	14.6	109	11.2	102	6.9								
8	8.48					100	9.4	099	10.5	096	11.5	084	9.0	083	9.6								
9																							
10	8.16					087	13.0	086	16.6	087	16.9	067	16.9										
11	10.05					104	9.4	094	12.0	089	10.9	105	10.1	069	6.6	072	10.7	090	11.7				
12	8.20					114	11.5	103	13.2	092	13.0	080	11.8	076	13.7	095	11.7	119	9.9	128	12.4		
13	7.19					096	14.8	105	15.2	110	18.0	106	16.6	108	14.3								
14	8.16					124	12.9	125	14.0	117	13.1	105	12.8	113	11.1								
15	8.16					120	8.6	[illegible]	10.7	106	9.8	099	7.9										
16	8.35					091	7.6	10[illegible]	8.3	117	10.1	104	8.4										
17	7.46					089	8.0	086	8.1	083	8.7	097	4.7	178	2.5	166	2.8						
18	8.20					098	12.2	107	7.6	108	10.6	110	5.2	045	3.5	039	3.2						
19	8.15					099	5.4	106	3.9	111	3.9	110	3.8	118	4.9	185	1.2	214	5.2	209	7.8	225	6.8
20	8.04					104	6.6	108	6.3	111	5.3	128	5.6	152	3.7	135	3.4						
21	8.10					133	5.4	115	5.1	147	4.1	049	9.1	074	4.4	307	1.0	321	2.8	355	3.6	281	1.0
22	8.18					118	2.6	135	2.0	094	1.4												
23	8.36					073	1.1	079	0.5	120	0.8	031	3.2	061	4.8								
24	7.47					122	3.4	101	2.1	074	2.2	027	1.5	022	3.2	128	1.8						
25	8.18					123	2.4	129	4.7	152	5.5	156	2.2	137	2.1	147	4.6	178	5.6				
26	9.00					105	20.0	107	20,6	102	18.6	112	23.9										
27	8.34					098	11.1	098	12.5	101	14.7												
28	8.25					096	7.3	089	8.6	082	9.0	088	7.3										
29	8.30					116	9.5	121	9.2	121	6.2	135	0.3	110	2.7								
30	8.15					100	11.8	099	7.8	099	6.1	102	3.9	090	2.8	116	4.6						
31	6.50					099	14.4	101	12.1	107	8.5	100	8.1										

C.2

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20° 5' 39" S -LONGITUDE 3h 50m 12.6s E.)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

NOVEMBER, 1943.

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

DIRECTOR

Published by Authority of His Excellency the Governor

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WEATHER BUREAU

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1950.

TABLE I.—RESULTS OF MAGNETICAL OBSERVATIONS made during the Month of NOVEMBER, 1943.

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	Daily Range ∤ Vertical Force
				Unit ′	γ	
NOV.	′			′		
1		.22381	.30056		57	30
2	14°33.0	395	058	4.3	13	13
3	...	398	055	..	14	15
4	33.1	411	049	6.8	42	22
5	33.3	408	050	7.0	57	25
6	33.5	407	054	6.3	72	17
7	33.2	397	059	4.5	21	16
8	...	403	060	..	20	10
9	...	405	057	..	26	12
10	33.7	414	057	6.0	33	19
11	33.9	415	055	7.0	37	25
12	33.3	415	053	8.0	42	27
13	33.5	414	055	5.0	27	12
14	34.0	420	055	6.3	22	12
15	33.6	428	051	8.3	27	25
16	33.6	428	052	7.5	65	20
17	33.9	...	053	7.0	..	22
18	33.7	422	050	7.0	29	26
19	33.9	400	054	11.0	128	28
20	34.5	390	061	5.0	61	14
21	33.9	392	061	7.0	72	20
22	34.3	396	063	5.0	48	9
23	34.3	396	064	6.8	45	19
24	33.9	388	065	6.7	52	19
25	...	...	066	..	..	20
26	34.7	375	068	6.2	77	24
27	34.1	376	068	8.5	66	22
28	34.5	387	067	9.0	32	25
29	...	...	065	..	..	19
30	34.2	382	066	8.5	35	24
Mean	14°33′.82	.22402	.30058	68.6	45.2	19.7

T = .37487: Mean Dip = 53°18′.15 (X = .21682: Y = -.05633: Z = .30058)

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

MAGNETIC DISTURBANCES.

HORIZONTAL FORCE.

1d. Slightly disturbed during second half. Minor waves.
5d. Slightly disturbed.
6d. Very slightly disturbed in first half; then much more disturbed with large waves (35γ, 75γ) between 20h and 23h.
7d. Very slightly disturbed.
16d. Slightly disturbed in parts.
19d. Disturbed during second half: Beginning of a long and moderately disturbed period lasting till 30d. Mostly irregular features. Occasional waves and pulses between 30γ and 50γ amplitudes; the most important wave reaches 55γ. Disturbed period gradually dies down to a quiet trace on 28d. and 29d.

TABLE II.—RESULTS OF ABSOLUTE DETERMINATIONS OF THE MAGNETIC ELEMENTS during the Month of NOVEMBER, 1943.

Declination (West)		Horizontal Force		Dip (South)		Resulting
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	Vertical Force
d h m	° ′	d h m		d h m	° ′	
5.14.31	14.29.6	4.11.28	.22422	5.14.45	53.16.56	.30036
12.14.35	14.28.6	6. 9.44	.22431	12.14.50	53.15.68	.30036
19.14.42	14.29.0	12. 9.28	.22421	19.14.51	53.18.81	.30032
26.14.41	14.31.4	15. 9.40	.22438			
		20. 9.58	.22373			
		22. 9.12	.22405			
		25. 9.47	.22411			

TABLE III. MAGNETIC DECLINATION (WEST) at every Hour of the Day as deduced from the PHOTOGRAPHIC RECORDS.

NOVEMBER, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	33.2	34.0	34.0	33.7 ~~34.0~~	33.5	34.0	35.5		34.0	35.0	33.5	34.0	33.5	34.0	34.3	34.0	Midnight
1h	33.5	34.0	33.5	33.7	33.7	34.0	34.0		34.0	34.7	34.7	34.3	33.7	34.5	34.5	34.3	1h
2	34.0	34.0	33.5	34.0	33.7	34.3	34.0		33.7	35.0	35.0	34.5	34.0	34.7	34.7	35.0	2
3	33.0	33.5	33.5	33.7	34.0	34.3	33.5		33.5	34.5	34.7	35.0	34.0	35.5	34.7	35.3	3
4		33.5	33.0	34.3	34.3	34.3	34.0			34.7	35.3	35.0	34.3	35.7	35.0	35.0	4
5		33.5		34.7	34.7	34.5	34.0			35.0	35.5	35.3	34.5	35.5	35.5	35.3	5
6		32.5		35.3	35.0	34.7	33.5			36.0	36.0	35.5	34.5	35.5	36.0	36.0	6
7		32.5	34.0	36.0	36.0	34.5	33.5			35.5	37.0	36.3	35.0	36.3	38.0	36.5	7
8	34.5	32.7	34.3	36.3	36.5	34.7	33.5			35.0	36.0	36.3	34.3	36.0	38.0	35.5	8
9	34.0	33.5	35.0	35.5	35.5	34.5	33.3			34.3	35.5	35.0	34.0	36.0	37.5	35.3	9
10	34.0	34.0	35.3	33.0	34.5	34.0	33.0		33.3	34.0	35.0	34.3	34.0	35.0	35.0	34.0	10
11	33.5	33.7	35.5	31.0	34.0	34.0	33.0	33.5	33.5	33.0	34.0	33.5	33.5	34.0	33.0	33.0	11
Noon	31.5	32.5		30.0	32.0	33.0	33.5	33.0	33.0	31.0	32.7	32.0	32.3	32.5	30.3	31.7	Noon
13h	29.0	31.5		29.5	30.0	31.0	32.0	31.0	32.3	30.0	31.0	30.0	31.0	31.0	30.0	30.0	13h
14	27.5	30.0		29.7	29.5	30.5	31.5	31.0	32.0	30.0	30.0	28.3	30.0	30.0	29.7	29.0	14
15	28.0	30.5		30.0	30.0	29.7	31.0	30.5	32.5	31.5	31.0	29.0	31.5	30.5	29.7	29.5	15
16	30.0	31.0	31.0	31.0	30.0	30.7	31.0	31.0	32.7	33.0	32.5	30.7	32.5	31.7	30.3	30.5	16
17	33.5	32.5	31.7	32.5	31.0	32.3	32.0	32.0	33.5	34.0	32.5	32.3	33.0	33.5	32.0	32.0	17
18	34.0	33.5	32.0	33.0	32.5	33.0	33.0	33.0	34.0	34.0	34.0	32.0	33.5	33.7	33.0	33.5	18
19	33.5	33.7	33.7	33.5	33.3	33.7	33.0	33.5	34.3	34.0	33.5	32.7	33.7	33.7	32.7	34.0	19
20	34.0	34.0	33.5	33.5	33.5	34.5	33.3	33.5	34.3	33.5	33.0	33.0	34.0	34.0	33.0	34.3	20
21	34.5	34.0	33.7	33.7	33.5	34.0	33.5	33.5	34.3	33.5	33.5	33.3	34.0	34.0	33.5	34.0	21
22	34.0	34.3	33.7	33.5	33.7	35.0	34.0	34.0	34.3	33.3	33.7	33.5	34.3	34.3	33.3	34.3	22
23	33.3	34.0	33.7	33.5	34.0	36.0	34.0	34.0	34.3	34.0	34.0	33.3	34.3	34.3	33.7	34.5	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	. .	Mean	Hour \ Day
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	35.0	34.0	34.0	34.7	34.0	34.0	34.0	34.3	35.0	33.5	35.0	36.5	35.0	33.7	...	34.2	Midnight
1h	34.7	33.7	34.3	35.0	33.7	35.0	35.0	35.0	34.0	35.5	32.7	35.7	35.3	34.7	...	34.4	1h
2	34.7	34.0	34.5	35.3	33.5	35.3	35.0	34.0	34.7	37.0	34.0	35.5	35.5	35.0	...	34.6	2
3	34.7	34.3	34.7	37.0	33.5	35.3	34.7	35.0	35.0	34.5	35.5	34.0	36.0	35.5	...	34.6	3
4	35.0	34.7	35.5	34.7	33.0	34.0	34.0	36.3	35.0	35.0	35.0	35.0	36.3	35.5	...	34.7	4
5	35.5	35.0	35.7	36.0	32.7	35.3	36.0	35.5	36.0	36.0	36.0	36.0	36.7	36.0	...	35.2	5
6	37.0	36.0	37.0	37.0	33.7	36.5	37.0	36.5	35.5	37.0	37.0	37.0	37.5	36.0	...	35.8	6
7	36.5	37.0	39.0	36.0	38.0	37.0	37.5	36.7	36.0	37.7	37.5	39.0	37.3	36.5	...	36.5	7
8	36.0	37.3	37.0	35.0	36.0	36.3	37.0	35.7	37.0	37.5	37.0	38.6	37.0	37.3	...	36.1	8
9	35.5	36.5	36.0	35.0	34.5	35.0	36.3	33.5	35.0	36.0	34.0	36.5	37.0	37.5	...	35.3	9
10	35.3	35.5	35.0	34.0	33.7	33.5	35.0	32.0	33.0	34.0	35.0	35.0	35.0	37.0	...	34.4	10
11	34.5	34.5	33.0	34.3	33.5	33.5	33.5	31.0	31.5	33.0	33.5	33.5	32.0	34.5	...	33.4	11
Noon	33.0	33.5	31.0	33.0	33.0	33.0	32.0	30.0	30.3	32.0	31.5	31.0	28.5	32.0	...	32.0	Noon
13h	31.5	32.0	28.0	33.0	32.0	32.0	30.7	30.0	29.7	32.0	30.0	31.0	27.0	30.0	...	30.8	13h
14	30.0	30.5	30.0	32.0	32.0	32.3	31.3	30.3	29.0	31.5	29.0	30.0	28.0	29.0	...	30.3	14
15	30.0	30.3	30.0	32.5	31.0	32.5	32.0	31.0		31.5	31.0	32.0		29.5	...	30.7	15
16	30.5	30.7	29.0	32.7	31.0	33.0	32.0	33.0		32.0	31.5	33.0		31.5	...	31.5	16
17	33.3	31.5	32.5	33.0	34.0	32.7	32.5	33.5		33.0	33.5	34.0		32.7	...	32.7	17
18	33.0	32.0	32.7	34.0	36.0	34.0	32.7	36.5	34.0	34.0	35.0	34.0		33.5	...	33.6	18
19	33.5	32.5	35.0	34.3	34.7	34.0	36.0	35.0	35.7	36.0	34.0	34.0	34.5	33.7	...	33.9	19
20	33.5	32.7	33.7	34.7	35.3	34.3	35.0	34.0	35.0	37.0	34.0	34.0	33.5	34.0	...	34.0	20
21	33.5	33.0	34.5	34.5	36.0	35.0	34.5	34.0	35.0	36.0	34.5	33.7	34.5	34.5	...	34.1	21
22	34.0	34.0	36.5	34.7	35.0	34.5	35.0	35.5	34.3	35.0	35.0	34.0	35.5	34.7	...	34.4	22
23	34.0	34.0	35.0	35.0	34.0	34.3	34.0	35.3	35.5	35.0	35.5	35.0	34.7	35.0	...	34.4	23

TABLE IV. MAGNETIC HORIZONTAL FORCE at every Hour of The Day as deduced from the PHOTOGRAPHIC RECORDS.

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

NOVEMBER, 1943.

22000 + (C.G.S. Unit).

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
Midnight	409	389	390	395	402	399	388	395	400	410	[illegible]	410	408	420	416	428	Midnight
1h	393	393	396	399	408	404	389	415	407	405	414	411	410	419	415	429	1h
2	390	396	398	409	408	406	393	401	403	409	410	415	412	427	417	430	2
3	392	395	400	413	412	409	405	400	408	415	416	415	412	420	419	431	3
4	393	391	400	411	411	408	398	400	406	418	413	418	412	420	420	431	4
5	386	391	402	410	412	410	396	401	408	410	415	419	414	422	424	433	5
6	389	397	401	415	420	413	393	405	414	417	415	418	417	428	429	433	6
7	389	399	401	419	424	424	399	407	415	420	416	419	418	430	429	443	7
8	391	398	401	429	418	430	396	404	421	422	414	425	418	426	432	461	8
9	392	397	400	435	421	428	396	409	420	420	415	424	415	425	435	456	9
10	388	390	400	437	423	430	401	409	413	421	420	424	418	421	442	450	10
11	393	394	403	434	428	422	396	409	399	428	422	430	428	426	440	449	11
Noon	392	400	400	430	425	424	387	407	400	428	429	435	430	429	439	441	Noon
13h	385	399	398	420	420	430	388	403	405	430	435	439	430	425	432	440	13h
14	372	402	397	413	417	425	408	410	406	428	438	434	423	420	430	430	14
15	362	400	391	406	409	414	401	409	400	414	427	420	413	419	432	422	15
16	359	398	389	405	404	414	400	404	400	406	417	401	406	415	430	420	16
17	352	397	394	403	395	406	400	402	395	399	408	397	403	415	429	410	17
18	358	395	398	401	399	396	400	398	399	397	401	399	407	412	429	410	18
19	361	397	397	395	[illegible]	[illegible]	400	392	399	400	401	405	409	416	433	405	19
20	360	394	398	395	390	365	398	395	400	407	402	401	410	411	429	396	20
21	373	398	395	398	397	358	395	390	400	410	404	402	407	408	424	401	21
22	370	389	396	397	391	404	394	400	403	411	407	402	408	417	422	410	22
23	397	390	394	400	394	369	395	397	400	410	410	402	408	419	426	410	23

22000 + (C.G.S. Unit).

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	....	Mean	Hour \ Day
Midnight	412	419	411	406	416	402	408	388	389	408	380	370	391	398	...	403	Midnight
1h	411	419	413	397	400	392	399	392	408	388	406	389	393	384	...	403	1h
2	420	422	418	399	395	391	401	412	404	382	400	384	393	386	...	404	2
3	412	423	429	415	400	397	405	391	410	385	393	397	399	387	...	407	3
4	410	424	428	412	404	402	407	390	410	380	407	397	400	386	...	407	4
5	415	429	422	409	425	402	403	389	405	377	406	392	400	386	...	407	5
6	424	434	431	401	412	407	404	390	397	380	399	390	401	389	...	409	6
7	Light failed	435	434	422	411	407	405	391	413	384	384	389	405	391	...	41[illegible]	7
8		433	455	407	416	415	406	384	415	390	380	388	406	387	...	413	8
9		426	427	386	410	406	411	389	411	385	374	386	393	384	...	410	9
10		427	421	372	403	418	398	480	Light failed	383	359	383	379	390	...	409	10
11		434	429	414	383	394	413	391	403	378	358	390	387	392	...	409	11
Noon		435	420	417	366	378	406	406	398	398	362	368	385	380	389	...	407	Noon
13h		434	420	366	377	379	399	406	390	399	374	370	389	379	388	...	405	13h
14		428	420	380	369	401	393	393	388	372	384	357	374		386	...	404	14
15		426	415	373	363	384	396	390	385	Light failed	377	360	370	Light failed	384	...	398	15
16		425	421	327	367	367	382	382	382		368	341	384		375	...	391	16
17		420	419	349	361	370	373	376	362		365	341	386		366	...	388	17
18		416	421	369	378	374	370	366	370		339	367	388		364	...	389	18
19		415	426	365	379	377	370	366	360	370	331	368	390	382	363	...	387	19
20		416	426	376	397	353	379	378	369	364	347	370	387	376	370	...	389	20
21		415	418	372	396	389	400	406	374	355	374	379	390	371	372	...	394	21
22		416	411	388	396	372	383	384	400	397	390	376	390	379	376	...	396	22
23		418	406	406	396	387	397	402	407	363	379	383	402	372	379	...	399	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, 1943.

29000 + (C.G.S.Unit).

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
Midnight	1054	1061	1058	1058	1054	1057	1063	1060	1060	1056	1056	1056	1057	1058	1058	1056	Midnight
1h	60	60	58	58	55	57	62	57	58	57	56	55	57	57	57	56	1h
2	58	58	58	58	55	57	60	59	58	57	57	55	56	56	57	56	2
3	58	58	57	57	55	57	60	60	58	57	58	56	56	57	56	55	3
4	58	58	57	58	55	58	62	60	61	57	58	56	57	57	56	55	4
5	58	57	56	57	56	58	62	61	61	60	60	57	57	57	56	54	5
6	59	55	54	58	57	58	61	62	61	60	63	60	57	57	60	56	6
7	60	53	57	57	54	56	61	62	60	60	64	63	57	59	63	57	7
8	69	58	61	56	51	55	63	61	59	60	64	60	57	59	62	54	8
9	60	62	62	48	48	52	66	58	56	60	59	51	56	57	56	52	9
10	58	65	62	39	46	47	64	58	52	60	53	52	54	53	47	54	10
11	54	60	60	39	42	46	62	62	55	49	48	48	52	49	40	54	11
Noon	43	55	55	38	35	47	57	58	55	46	45	43	51	50	38	50	Noon
13h	37	52	49	36	32	44	52	52	49	44	41	37	48	47	40	44	13h
14	36	52	48	37	38	46	50	54	52	48	39	36	49	47	38	42	14
15	43	58	47	41	42	51	55	58	56	55	44	38	50	47	38	37	15
16	52	60	47	42	45	50	54	62	58	60	50	47	53	51	40	42	16
17	63	61	49	46	48	54	56	62	60	63	57	54	54	54	46	47	17
18	62	59	52	49	51	56	56	62	59	61	58	55	56	56	47	51	18
19	63	58	52	50	55	58	56	62	58	61	58	55	56	55	48	52	19
20	64	58	53	50	54	61	56	62	59	59	58	57	57	57	50	54	20
21	65	58	54	50	53	54	57	61	58	59	58	58	58	58	52	54	21
22	66	60	56	52	54	52	57	62	58	58	58	58	60	59	53	56	22
23	59	60	57	53	55	61	57	58	57	58	57	58	60	59	54	57	23

2900 + (C.G.S.Unit).

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Hour \ Day
Midnight	1056	1056	1059	1061	1066	1064	1063	1064	1064	1066	1070	1073	1067	1068	...	1061	Midnight
1h	57	56	59	63	63	66	65	68	63	69	67	72	67	69	...	1061	1h
2	56	56	59	64	66	67	66	69	64	68	67	68	66	68	...	1061	2
3	56	56	58	66	66	67	66	69	65	67	68	67	67	68	...	1061	3
4	57	56	58	60	66	66	66	72	66	70	70	68	66	68	...	1061	4
5	57	56	57	63	61	67	68	71	68	73	69	70	66	68	...	1061	5
6	60	57	58	62	63	67	70	73	70	74	71	73	68	68	...	1062	6
7	62	57	60	58	64	66	70	70	69	76	72	79	67	72	...	1063	7
8	60	55	54	53	55	62	67	69	70	74	75	78	66	76	...	1062	8
9	54	52	50	54	50	58	63	70	71	73	69	74	66	74	...	1059	9
10	50	51	47	57	54	58	63	67	61	70	69	69	63	69	...	1057	10
11	51	48	43	61	53	58	62	61	54	68	65	63	57	59	...	1054	11
Noon	52	47	40	60	55	62	61	56	52	63	57	54	56	52	...	1051	Noon
13h	43	42	38	63	50	61	54	54	54	60	53	58	55	52	...	1048	13h
14	40	34	42	62	52	60	53	56	60	56	54	56	57	53	...	1048	14
15	44	33	39	62	56	60	54	61	67	54	62	64	60	56	...	1051	15
16	46	35	45	59	56	60	58	58	67	56	65	63	62	63	...	1054	16
17	52	43	58	58	63	63	64	62	72	59	70	64	63	67	...	1058	17
18	53	48	56	60	64	63	65	69	70	67	72	66	65	68	...	1059	18
19	53	49	63	61	64	66	72	67	70	76	70	65	70	69	...	1060	19
20	54	49	58	67	68	67	66	67	71	78	71	66	67	71	...	1061	20
21	54	54	63	60	66	64	66	67	71	75	72	67	72	71	...	1061	21
22	55	57	66	62	67	65	66	67	67	70	72	72	74	72	...	1062	22
23	56	59	64	63	70	65	63	63	72	70	72	67	72	72	...	1062	23

TABLE VI.-RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION VACOAS(424.5 meters above mean sea level) during the month of NOVEMBER, 1943.

Month and May 1943.	Observations at 10 a.m.									Temperature of the Air							Rainfall		Duration of Bright Sunshine	Percentage of Possible Sunshine
	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 recorded by the Caselli Pluviograph	Duration		
NOV.	mbs.	°C	°C	°C	%	mbs.	o	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins	hrs.	%
1	972.5	20.5	3.5	14.5	68	16.5	90	4.5	6	18.2	20.1	20.8	19.0	23.4	17.0	6.4	2.9	70	7.1	56
2	972.1	21.5	5.0	12.9	58	14.9	90	7.2	2	17.2	21.2	22.9	17.8	23.5	16.9	6.6	4.9	65	9.3	73
3	969.9	21.2	2.5	17.1	77	19.5	90	2.7	9	17.8	19.9	21.5	19.4	23.5	17.5	6.0	0.1	0	5.1	40
4	968.0	22.9	4.5	15.3	62	17.4	90	3.6	9	19.0	21.2	20.0	17.2	23.3	18.3	5.0	3.2	35	0.4	3
5	969.3	22.0	3.9	15.5	67	17.6	135	2.7	8	16.0	21.6	23.5	18.6	25.3	15.6	9.7	0.0	0	11.3	87
6	969.7	22.7	4.1	15.9	66	18.1	110	3.1	6	18.5	22.6	23.0	18.3	24.6	18.5	6.1	8.5	115	10.4	81
7	970.6	21.2	4.1	14.2	64	16.2	130	6.7	2	17.0	21.0	22.7	18.0	24.0	16.5	7.5	1.7	30	11.7	91
8	970.0	22.4	3.7	16.3	68	18.5	110	3.1	5	17.2	22.1	21.0	17.7	24.8	17.0	7.8	0.5	10	7.4	57
9	969.6	22.4	4.9	14.0	59	16.0	110	2.7	5	16.6	22.0	21.5	16.6	23.9	16.0	7.9	0.0	0	6.0	46
10	969.2	22.1	4.4	14.7	63	16.7	110	2.7	3	14.2	21.7	23.0	16.8	24.6	13.6	11.0	0.0	0	12.0	93
11	969.4	21.5	4.0	14.7	65	16.7	110	4.5	8	14.5	20.6	21.2	17.0	23.3	14.2	9.1	0.4	15	10.8	84
12	970.2	20.1	2.0	16.8	81	19.1	135	6.3	8	16.3	19.7	21.0	17.3	23.2	16.0	7.2	2.2	30	9.9	76
13	969.8	20.4	5.5	10.2	52	12.4	130	4.9	8	16.0	20.1	19.0	16.8	21.8	16.0	5.8	3.5	50	6.5	50
14	968.3	20.1	2.7	15.6	75	17.7	130	4.0	8	15.3	19.8	19.3	17.0	22.1	14.8	7.3	6.8	115	6.7	51
15	968.1	20.7	3.9	13.9	65	15.9	110	6.7	4	16.9	20.2	23.0	18.4	24.0	16.8	7.2	1.1	35	11.6	89
16	969.0	20.9	3.4	15.1	70	17.2	110	4.9	7	16.5	20.3	22.2	17.0	23.6	16.2	7.4	0.1	5	10.9	84
17	968.8	21.1	3.2	15.8	72	17.9	125	6.3	6	16.9	19.4	21.3	17.4	23.8	16.7	7.1	8.9	135	8.9	68
18	968.0	22.9	4.6	15.1	62	17.2	Calm		5	16.6	22.0	21.9	16.3	24.4	16.4	8.0	1.0	20	5.4	41
19	969.9	23.0	4.2	16.1	65	18.3	110	2.7	7	14.3	22.2	21.9	18.9	25.3	12.6	12.7	0.0	0	8.2	62
20	970.5	23.5	3.6	17.7	70	20.3	110	2.7	4	17.0	22.6	23.0	17.4	23.1	17.0	6.1	0.0	0	7.2	55
21	969.7	24.0	5.6	14.7	56	16.7	130	2.7	7	17.0	22.8	23.1	20.0	25.5	17.1	8.4	0.2	0	10.1	77
22	969.5	22.4	3.3	17.0	72	19.4	95	2.2	7	19.6	21.6	19.9	18.9	24.1	17.2	6.9	3.3	50	5.7	44
23	970.0	21.7	2.6	17.4	77	19.9	70	2.2	8	18.9	21.3	21.1	18.3	25.3	17.5	7.6	2.2	45	4.4	34
24	969.4	23.7	4.0	17.2	67	19.6	95	4.0	5	18.0	22.8	24.9	20.4	25.8	17.7	8.1	0.1	0	12.3	94
25	968.6	24.0	4.3	17.1	65	19.5	95	4.9	4	18.9	23.1	25.2	20.8	26.9	17.9	9.0	0.5	10	9.7	74
26	969.7	24.7	5.0	16.5	61	18.8	80	2.7	7	20.0	23.8	23.9	19.1	26.3	18.9	7.4	0.1	5	7.7	59
27	970.5	24.6	5.4	15.7	57	17.8	90	4.0	7	18.2	23.9	24.5	19.8	26.4	17.3	9.1	2.5	5	11.4	87
28	970.6	22.4	1.7	19.8	95	23.1	110	4.9	8	19.5	22.0	22.7	21.9	25.0	19.5	5.5	3.0	25	2.9	22
29	970.6	24.9	4.5	17.7	65	20.3	70	2.7	5	21.9	24.2	23.1	22.0	26.9	19.2	7.7	0.0	0	6.8	51
30	969.7	24.7	4.8	16.9	62	19.2	70	2.7	6	20.8	24.0	21.0	20.3	26.6	17.7	8.9	1.6	40	6.2	47
..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	969.7	22.3	4.0	15.7	659	17.8	...	3.8	60	17.5	21.6	22.1	18.5	24.5	16.8	7.7	59.3	910	8.13	62.5
Average	968.3	22.9	3.1	18.0	738	20.6	...	4.0	65	...	...	...	...	24.7	17.6	7.1	141.6	...	7.13	54.5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+	41.7mbs.	Amount of Rain	-	49.0mms.
Temperature of the Air	+	3.4 °C	Duration of Bright Sunshine	+	6.6hrs.
Vapour Pressure	+	1.0mbs.	Mean of Maximum Temperatures	+	3.1 °C
Relative Humidity	-	8.9 %	Mean of Minimum Temperatures	+	1.7 °C
Velocity of Wind	+	0.9 m.p.s.	Absolute Maximum Temperature	+	3.8 °C
Amount of Cloud	-	0.6	Absolute Minimum Temperature	+	1.5 °C

Greatest Rainfall Intensity 2.5 mms. in 5 mins.

TABLE VII.-DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of NOVEMBER, 1943.

Month and day 1943.	Atmospheric Pressure		Temperature of the Air.					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point		Relative Humidity (Sat. = 100)		Vapour Pressure	Minimum on the Grass.	Rainfall		Amount of Evaporation	Mean amount of Cloud (Scale 0-10)
	Mean	Excess above Average	Daily Maximum	Daily Minimum	Daily Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Dines Pluviograph	Duration		
NOV.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs.	°C	mms.	min.	mms.	
1	1013.4	+ 2.9	26.4	18.6	7.8	22.0	- 0.9	3.4	16.4	- 1.1	71	- 1	18.7	16.6	0.3	10	7.9	6.7
2	1012.5	+ 2.0	26.8	19.4	7.4	22.4	- 0.6	3.5	16.7	- 0.9	70	- 2	19.0	16.7	0.0	...	8.3	5.9
3	1010.3	- 0.1	26.6	19.6	7.0	22.7	- 0.3	3.5	17.1	- 0.5	71	- 1	19.5	18.0	0.1	...	7.0	7.7
4	1008.6	- 1.8	26.0	20.3	5.7	22.7	- 0.4	2.4	18.9	+ 1.2	79	+ 7	21.8	17.9	4.1	15	7.1	8.5
5	1010.3	0.0	28.4	18.3	10.1	22.3	- 0.8	3.3	16.9	- 0.8	71	- 1	19.2	13.9	0.0	...	4.8	3.4
6	1011.3	+ 1.0	27.4	18.6	8.8	22.7	- 0.5	3.3	17.4	- 0.4	72	0	19.9	14.9	1.7	35	6.0	4.9
7	1011.8	+ 1.6	26.6	18.9	7.7	22.3	- 1.0	3.7	16.2	- 1.7	68	- 4	18.4	15.9	0.2	5	7.9	2.6
8	1010.9	+ 0.7	27.2	18.2	9.0	22.6	- 0.7	3.2	17.5	- 0.4	73	+ 1	20.0	15.2	0.0	...	7.2	4.7
9	1010.3	+ 0.2	28.3	17.6	10.7	21.6	- 1.8	3.6	15.6	- 2.4	69	- 3	17.7	13.3	0.0	...	8.5	3.5
10	1010.2	+ 0.2	27.2	14.6	12.6	20.8	- 2.6	3.6	14.7	- 3.3	68	- 4	16.7	10.4	0.0	...	6.4	2.3
11	1010.9	+ 0.9	27.1	15.5	11.6	21.7	- 1.8	4.0	15.0	- 3.1	66	- 6	17.1	11.1	0.0	...	5.1	4.1
12	1011.7	+ 1.7	27.1	17.7	9.4	22.2	- 1.3	3.9	15.7	- 2.4	66	- 6	17.8	13.4	0.0	...	8.0	7.5
13	1010.6	+ 0.7	26.3	16.7	9.6	21.3	- 2.3	4.3	14.0	- 4.1	63	- 9	16.0	11.8	0.0	...	7.6	4.8
14	1008.9	- 1.0	26.5	14.1	12.4	20.5	- 3.1	2.7	16.0	- 2.1	76	+ 4	18.2	9.0	2.4	55	7.4	3.4
15	1009.7	- 0.2	27.0	19.0	8.0	22.2	- 1.5	3.6	16.3	- 1.9	69	- 3	18.5	16.6	0.2	10	6.0	2.5
16	1010.4	+ 0.6	26.1	18.7	7.4	22.0	- 1.7	3.7	15.9	- 2.3	69	- 3	18.1	15.1	0.1	5	8.1	4.3
17	1009.5	- 0.3	27.0	18.7	8.3	22.0	- 1.8	3.2	16.8	- 1.5	72	0	19.1	16.0	0.4	20	8.1	5.3
18	1009.1	- 0.7	27.1	17.8	9.3	22.0	- 1.8	3.8	15.7	- 2.6	67	- 5	17.8	14.3	0.0	...	7.6	4.5
19	1011.3	+ 1.6	27.1	15.3	11.8	21.7	- 2.2	3.4	16.1	- 2.5	70	- 2	18.3	10.1	0.0	...	6.0	3.5
20	1011.9	+ 2.3	27.2	18.6	8.6	22.4	- 1.5	3.3	17.0	- 1.6	72	0	19.4	14.2	0.3	10	5.5	3.3
21	1010.7	+ 1.2	28.4	17.7	10.7	22.9	- 1.1	3.7	17.0	- 1.7	70	- 2	19.4	13.1	0.0	...	6.0	3.7
22	1010.4	+ 1.0	28.4	18.8	9.6	22.9	- 1.1	3.1	18.0	- 0.7	74	+ 2	20.6	15.8	0.0	...	6.6	3.8
23	1011.1	+ 1.8	27.7	18.9	8.8	23.1	- 1.0	3.0	18.4	- 0.4	75	+ 3	21.2	14.9	1.0	5	5.8	6.3
24	1010.6	+ 1.4	28.2	19.5	8.7	23.5	- 0.7	3.5	17.9	- 1.0	71	- 1	20.5	15.8	0.0	...	5.4	2.7
25	1009.9	+ 0.8	29.0	19.7	9.3	24.1	- 0.1	3.5	18.6	- 0.3	71	- 1	21.4	16.8	0.0	...	9.0	3.5
26	1011.4	+ 2.5	29.3	19.5	9.8	23.9	- 0.4	3.6	18.2	- 0.8	70	- 2	20.9	16.0	0.1	5	7.7	2.6
27	1012.3	+ 3.5	28.3	19.6	8.7	23.7	- 0.7	3.4	18.4	- 0.7	72	- 1	21.2	15.7	1.5	10	8.6	3.1
28	1011.9	+ 3.2	27.2	21.9	5.3	24.0	- 0.5	2.6	19.9	+ 0.7	78	+ 5	23.2	19.7	0.8	15	6.7	6.8
29	1011.4	+ 2.8	30.4	21.5	8.9	24.8	+ 0.3	3.2	19.9	+ 0.7	74	+ 1	23.2	19.0	0.1	5	8.1	4.3
30	1010.0	+ 2.5	30.7	20.1	10.6	24.0	- 0.6	3.3	18.8	- 0.7	73	0	21.7	15.1	0.0	...	7.0	4.5
Mean	1010.8	+ 1.1	27.6	18.5	9.1	22.6	- 1.1	3.4	17.0	- 1.3	71.0	- 1.1	19.5	14.9	Sum 10.3	Sum 210	7.0	4.5
Avero	1009.7	...	28.4	19.6	8.8	23.7	...	3.4	18.3	...	72.1	...	21.1	16.7	44.6	716	6.7	5.0
Col.	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, 1943.

There was a cyclonic depression near Cocos Keeling from the 24th - 26th.

At Mauritius anticyclonic conditions prevailed. Mean pressure was 1.1 mbs., above normal, ~~being~~ below on 6 days only. Temperature was 1.1 C below normal, being above on the 29th only. Rainfall was very scanty, only 23% of the average, but the small amount was well distributed. The amount of cloud was 10% below the average. The other elements were about normal.

TABLE VII (contd.) DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER, 1943.

Month and day 1943	Duration of Bright Sunshine.	Percentage of Possible Sunshine	Mean	Excess above Average	10 Feet	5 Feet	2 Feet	12 Inches	Weather
NOV.	Hrs.	%	m.p.s.	m.p.s.	°C	°C	°C	°C	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
1	8.5	66	4.3	+ 0.9	23.6	23.6	24.3	24.5	bc : cro : o : cq : c : bc .
2	9.6	75	4.3	+ 0.9	23.5	23.3	24.4	24.6	bc : c : bcq : bc : c .
3	5.3	41	3.6	+ 0.2	23.6	23.5	24.6	25.0	bc : c : bc : c .
4	0.6	5	2.1	- 1.3	23.5	23.4	24.7	25.1	croro : o : c : o : c .
5	5.5	43	2.7	- 0.7	23.5	23.3	24.8	25.0	bc : b : bc .
6	10.3	80	4.1	+ 0.7	23.5	23.5	24.8	24.7	b : bc : c : croro .
7	11.7	91	4.4	+ 1.0	23.6	23.6	24.9	25.0	bc : b : bc .
8	10.8	84	3.0	- 0.4	23.5	23.5	25.0	25.2	b : cro : bc : c .
9	8.2	64	3.0	- 0.4	23.5	23.6	25.0	25.4	bc : b : c : bc : b .
10	6.7	52	2.5	- 1.0	23.5	23.7	25.1	25.1	b : bc : b .
11	11.3	88	3.1	- 0.4	23.6	23.8	25.1	24.9	b : bc : b .
12	11.5	86	4.2	+ 0.7	23.6	23.6	25.1	24.8	b : bc : bcq : bc : b .
13	6.6	51	3.4	- 0.1	23.6	23.5	25.1	25.0	c : cro : c : bc .
14	7.5	58	3.6	+ 0.1	23.6	23.4	25.2	24.7	bc : c : cq : croro : bc .
15	12.3	95	4.4	+ 0.9	23.6	23.5	25.0	24.9	bc : b : bc : b .
16	11.6	89	3.7	+ 0.2	23.6	23.9	25.0	25.0	bc cro : c : bc : cro : bc .
17	9.1	70	3.7	+ 0.2	23.6	23.9	25.0	25.1	c : croro : c : bc : c : bc : b .
18	8.1	62	3.0	- 0.4	23.6	24.1	25.1	25.1	b : bc : c : bc .
19	5.7	44	2.8	- 0.6	23.6	24.0	25.2	25.0	b : bc : c : bc .
20	5.4	41	2.5	- 0.9	23.6	24.0	25.2	24.7	b : bc : c : o : bc .
21	8.7	66	2.9	- 0.5	23.6	23.7	25.1	25.0	cro : bc : c : cro : bc .
22	7.1	54	3.4	0.0	23.6	24.0	25.1	25.0	b : bc : c : bc : b .
23	2.0	15	2.3	1.1	23.6	24.0	25.1	25.2	bc : cro : c : bc .
24	12.3	94	3.3	- 0.1	23.6	24.1	25.2	25.1	bc : b .
25	10.8	82	3.2	- 0.2	23.4	24.2	25.3	25.6	b : bc .
26	10.8	82	2.9	- 0.5	23.3	24.0	25.4	26.3	bc : b .
27	11.8	90	3.8	+ 0.4	23.4	24.4	25.6	26.4	bc : bcro : bc .
28	4.5	34	4.0	+ 0.6	23.7	24.1	25.9	26.5	bc : c : cro : crr : c : bc .
29	7.6	58	2.5	- 0.8	23.6	24.0	26.1	26.7	bcro : b : bc : c : bc .
30	8.7	66	2.3	- 1.0	23.6	24.0	26.0	26.7	bc : c : bc .
Mean	8.35	64.3	3.30	-0.12	23.56	23.77	25.11	25.25	.....
Avere	6.80	67.7	3.42	....	24.40	24.70	25.45	26.07	.....
Colen	19	20	21	22	23	24	25	26	27

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF NOVEMBER, 1943.

Element	Highest	Date	Lowest	Date
Atmospheric Pressure	1014.9 mbs.	at 00.00 hrs. on 1st.	1007.5 mbs.	at 17.00 hrs. on 14th
Temperature of the Air	30.7 °C	at 12.55 hrs. on 30th.	14.1 °C	at 05.15 hrs. on 14th
Daily range of Temperature of the air	12.6 °C	on 10th.	5.3 °C	on 28th
Temperature of the dew point	21.3 °C	at 07.00 hrs on 28th.	11.2 °C	at 10 & 11 hrs on 13th
Minimum on Grass	.....	.....	9.0 °C	on 14th
Relative Humidity	99.0 %	at 04.00 hrs on 13th.	41.7 %	at 12.00 hrs. on 10th
Vapour Pressure	25.3 mbs	at 07.00 hrs on 28th.	13.3 mbs.	at 10 & 11 hrs. on 13th.
Evaporation in 24 hours ...	9.0 mms	on 25th.	4.8 mms	on 5th
Wind Velocity	7.4 m.p.s.	at 09.00 hrs on 7th.	0.6 m.p.s.	often
Rainfall in 24 hours	2.6 mms	ending 03.00 hrs 15th.		
Duration of sunshine	12.3 hrs	on 15th. & 24th	0.6 hr.	on 4th

Mean Day Temperature of Air 24.89 °C. Mean Night Temperature of Air 20.24°C

NUMBER OF DAYS OF:

Mean Cloud Amount					RAINFALL						
0	3	4 - 6	7 - 9	10	0.1 - 0.9	1.0 - 4.9	5.0 - 9.9	10.0 - 24.9	25.0 & Over	Lightning	Thunderstorms
...	12	13	5	...	10	5	...	...	...	...	...

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 meters above mean sea level).

NOVEMBER, 1943.

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.	11s.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
Midnight	149	139	119	100	096	110	124	121	114	103	110	120	122	103	093	108	Midnight
1h	140	131	111	091	092	107	121	114	110	099	107	111	115	099	089	104	1h
2	132	129	109	084	093	104	119	110	104	093	100	110	109	092	083	101	2
3	130	127	108	080	095	102	116	106	101	091	100	110	106	090	080	100	3
4	130	129	110	082	099	102	119	106	100	093	101	110	106	090	081	101	4
5	133	130	109	082	105	109	120	109	102	096	103	110	105	091	088	102	5
6	136	134	110	088	111	112	122	111	107	101	109	119	110	091	094	106	6
7	140	138	111	090	117	119	127	119	111	110	111	123	114	097	099	110	7
8	145	140	112	090	117	120	128	120	114	113	113	128	119	096	100	110	8
9	145	140	111	091	115	120	129	120	113	113	119	130	120	097	102	110	9
10	142	136	110	086	107	120	126	114	110	110	116	124	116	094	102	109	10
11	140	131	103	081	100	116	120	111	106	105	115	121	110	089	101	107	11
Noon	135	123	096	080	094	112	114	108	101	102	110	117	105	083	098	101	Noon
13h	129	118	091	075	091	105	109	100	096	098	103	111	100	081	094	099	13h
14	123	111	089	072	089	101	103	094	089	092	099	107	099	079	091	091	14
15	120	110	086	071	090	100	101	092	084	090	096	103	093	076	088	090	15
16	119	109	089	072	093	100	100	091	084	090	095	106	090	078	087	091	16
17	120	110	090	078	100	106	103	095	087	093	100	104	091	075	091	094	17
18	123	113	093	081	103	112	110	101	093	100	106	110	095	077	098	101	18
19	130	120	099	090	110	121	118	110	100	105	111	120	099	081	103	107	19
20	137	121	102	096	112	127	124	115	106	110	120	124	103	090	110	111	20
21	139	122	106	098	113	130	126	120	110	112	123	129	110	091	111	115	21
22	141	123	106	100	113	131	130	121	111	115	126	130	110	099	115	117	22
23	139	121	105	100	112	130	129	120	109	113	124	128	109	096	111	118	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	Hour \ Day
Midnight	110	090	109	125	126	111	110	120	110	110	129	130	129	113	...	115	Midnight
1h	107	086	103	121	121	108	107	114	107	109	121	121	126	109	...	110	1h
2	102	081	100	118	116	101	101	110	100	102	119	119	120	104	...	106	2
3	100	080	100	114	111	100	100	105	098	100	116	117	115	100	...	103	3
4	100	081	100	111	111	100	100	102	094	100	115	116	111	100	...	103	4
5	099	086	102	117	111	100	103	104	096	102	119	114	111	103	...	105	5
6	101	090	110	120	114	103	110	110	100	110	120	116	116	108	...	110	6
7	109	099	117	125	119	108	117	111	100	115	126	121	121	110	...	114	7
8	110	100	119	126	119	110	120	112	100	120	130	126	124	111	...	116	8
9	110	100	120	126	116	110	121	112	100	120	131	125	125	111	...	117	9
10	104	098	119	126	111	109	120	111	100	120	130	121	125	108	...	114	10
11	096	092	116	123	110	107	116	110	100	119	129	120	120	103	...	111	11
Noon	092	090	112	120	101	101	112	107	096	117	125	117	112	100	...	106	Noon
13h	088	083	110	117	092	100	107	101	091	111	120	111	106	090	...	101	13h
14	083	080	107	110	089	096	101	098	089	109	113	109	100	083	...	097	14
15	080	078	103	106	086	092	100	091	084	101	110	107	099	081	...	094	15
16	077	079	101	106	084	091	101	088	084	101	110	105	096	081	...	093	16
17	079	080	105	109	089	093	102	090	089	107	111	107	099	085	...	096	17
18	081	086	112	110	091	100	110	094	094	111	120	112	101	091	...	101	18
19	087	093	120	118	100	107	115	102	101	120	125	119	109	099	...	108	19
20	091	101	126	121	107	111	120	109	109	126	131	127	114	101	...	113	20
21	095	108	129	126	110	113	122	113	113	130	136	129	119	104	...	117	21
22	099	111	130	130	114	115	125	119	116	131	136	131	120	104	...	119	22
23	097	111	129	129	115	113	122	116	115	130	135	134	120	102	...	118	23

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

NOVEMBER, 1943.

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	3	6	6	8	6	0	4	0	5	0	0	9	4	1	6	1	7	1	0	0	2		3	2	2	4	1	3	3	6		3.1
1h	3	5	6	8	6	0	4	0	5	0	1	9	4	1	6	0	7	1	0	0	2	1	3	2	2	3	1	3	3	4		3.0
2	4	5	5	8	5	0	2	0	4	0	2	9	2	1	6	0	9	0	0	0	3	1	3	2	3	3	4	3	2	2		2.9
3	4	4	5	8	3	1	2	1	4	1	2	9	1	1	6	1	9	1	0	1	3	1	3	2	3	3	4	3	2	2		3.0
4	6	5	9	8	2	1	2	0	4	0	4	10	1		3	8	10	1	0	1	1	1	3	2	2	3	1	8	2	3		3.3
5	9	5	9	8	3	1	1	3	1	0	4	10	0	4	3	4	6	1	1	2	1	2	9	3	1	1	1	9	3	7		3.7
6	9	9	8	9	3	1	2	4	1	1	4	10	1	4	2	3	6	2	1	2	1	3	8	3	1	3	1	7	3	6		3.9
7	9	7	8	9	4	3	2	5	3	2	4	10	6	6	2	4	6	4	2	2	3	4	8	3	2	5	2	7	4	4		4.7
8	9	5	9	9	4	3	1	5	4	3	5	9	5	7	2	6	5	3	2	2	4	5	8	3	2	4	3	7	4	3		4.7
9	9	4	9	9	4	3	1	6	1	2	5	9	6	6	2	7	5	2	3	3	4	5	8	4	6	4	3	9	5	3		4.9
10	8	5	9	9	3	4	1	5	8	4	6	9	7	8	2	8	5	3	5	3	4	6	8	4	5	3	3	10	4	4		5.4
11	8	5	9	9	3	5	2	4	5	4	8	9	7	6	2	8	6	8	4	5	5	6	8	4	4	4	4	10	3	5		5.7
Noon	7	6	9	9	2	5	3	6	4	5	3	9	6	6	4	6	6	7	8	7	9	7	8	4	5	4	5	8	3	3		5.8
13	6	5	8	9	2	4	3	6	4	7	8	8	5	5	4	5	7	7	8	7	9	9	8	4	6	3	5	8	2	3		5.8
14	8	6	6	9	5	6	3	5	6	6	6	7	6	5	3	5	7	7	8	7	8	8	8	4	4	3	4	7	4	9		6.0
15	6	3	5	9	6	7	3	5	6	6	6	6	8	4	2	3	9	5	8	9	7	8	7	4	3		3	7	8	8		5.7
16	7	2	9	9	6	7	2	5	6	5	6	8	8	2	2	4	8	7	7	9	5	6	8	4	3	1	4	8	9	9		5.9
17	8	5	8	9	4	9	3	5	4	4	6	5	8	2	2	1	5	8	7	9	4	3	8	3	4	2	5	8	8	8		5.5
18	8	3	8	9	3	10	3	8	5	3	3	8	6	2	1	1	3	9	7	7	3	3	8	2	6	4	5	8	8	6		5.3
19	4	10	8	9	2	9	4	9	4	1	2	6	6	2	1	2	3	9	4	1	3		8		5	2	5	8	5	5		4.6
20	6	10	8	8	2	9	5	9	2	1	2	2	6	2	0	4	0	8	4	1	2	1	6	1	3	1	3	6	5	5		4.1
21	7	9	8	8	1	9	6	9	1	0	2	3	4	2	0	6	0	5	3	0	2	3	4	1	4	1	2	5	4	2		3.7
22	7	9	8	8	0	9	4	9	0	0	2	4	4	0	1	6	1	5	1	0	2	3	3	1	4	1	2	5	4	2		3.5
23	6	9	8	8	0	9	2	9	0	0	2	6	4	0	0	6	0	5	1	0	2	3	3	1	4	1	2	5	4	1		3.4

TABLE X. DURATION OF BRIGHT SUNSHINE at every Hour of the Day as recorded by the CAMPBELL STOKES SUNSHINE RECORDED.

NOVEMBER, 1943.

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	1	0	0	0	3	0	0	0	0	11	0	8	1	2	0	16	4	20	13	0	3	2	13	0	0	0	0	0		1.8
7	9	0	44	0	60	60	60	56	59	60	43	60	5	60	60	58	43	60	60	60	60	49	26	60	60	51	37	4	45	33		22.4
8	9	26	60	2	14	60	60	60	60	60	60	60	29	60	60	60	60	60	60	60	60	12	29	60	60	50	60	5	43	60		23.6
9	1	60	49	13	3	60	60	41	60	60	16	60	35	60	60	60	60	60	60	60	60	5	2	60	60	60	60	47	42	60		24.0
10	46	60	0	9	54	60	60	38	60	60	60	60	35	60	60	52	60	60	60	60	60	60	1	60	60	60	60	60	60	60		25.9
11	60	60	0	15	60	60	60	60	60	60	60	60	60	56	60	55	60	60	60	37	60	60	2	60	60	60	60	48	60	60		26.6
Noon	60	60	0	0	60	60	60	60	60	44	60	48	35	60	60	53	59	28	23	4	60	57	6	60	60	60	60	0	60	60		22.9
13h	60	60	8	0	33	60	60	60	45	42	60	60	35	57	60	50	59	18	0	3	59	16	7	60	60	60	60	1	60	60		21.4
14	60	44	24	0	43	60	60	60	55	13	60	50	29	12	60	51	60	50	0	0	56	0	9	60	60	60	60	9	60	57		20.4
15	60	57	60	0	0	60	60	60	32	0	60	60	22	7	60	60	20	36	0	0	19	15	9	60	60	60	60	12	13	32		17.7
16	60	60	54	0	0	45	60	60	0	0	60	37	40	5	60	60	0	3	0	0	0	2	7	60	60	60	60	33	0	36		16.0
17	60	60	5	0	0	32	60	60	0	0	60	60	32	0	60	60	39	10	3	5	3	47	2	60	31	60	60	31	9	0		15.2
18	26	25	1	0	0	0	4	35	0	0	60	60	37	6	60	60	25	0	0	15	11	57	0	60	0	9	59	17	3	0		11.1
19	0	0	0	0	0	0	0	0	0	0	20	6	0	0	15	15	0	0	0	0	3	2	0	13	0	0	14	4	0	0		1.5

The Total Amount of Registered Sunshine was 290.5 hours and the Total Amount of Possible Sunshine was 390.1 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).

NOVEMBER, 1943.

Day / Hour	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	19.9	1.4	20.0	1.1	20.8	1.8	21.5	1.7	20.0	1.5	20.9	2.0	20.1	1.1	19.7	1.4	Mid-night
1h	19.7	1.3	20.3	1.1	20.7	1.6	21.1	1.1	19.0	0.7	21.0	2.1	20.0	1.5	20.4	1.4	1h
2	19.6	1.6	20.6	1.6	20.7	1.9	20.9	0.9	18.8	0.4	20.9	2.2	19.8	1.8	19.8	1.2	2
3	19.9	1.8	20.2	1.3	19.7	1.2	20.7	1.1	19.5	1.1	20.0	1.7	19.8	1.9	19.7	1.2	3
4	19.8	1.6	20.4	1.4	20.6	1.6	20.6	0.7	19.3	1.0	20.0	1.6	19.5	2.2	19.0	0.7	4
5	19.3	0.9	19.7	1.3	20.7	1.6	20.6	0.8	18.9	0.8	18.8	1.3	19.4	2.1	18.7	1.1	5
6	19.7	1.4	20.3	2.3	20.7	1.6	20.9	0.8	18.8	1.1	19.8	1.5	19.9	2.2	19.7	1.3	6
7	20.8	2.8	21.6	2.6	22.4	2.8	21.6	0.9	21.6	2.2	22.9	2.8	21.5	3.1	22.8	2.6	7
8	21.9	3.4	22.9	3.7	23.9	4.1	22.9	2.3	23.0	3.5	24.2	4.1	22.9	4.3	23.7	3.8	8
9	22.9	4.3	24.3	4.8	24.1	4.6	24.6	3.6	24.1	4.6	25.2	5.0	24.1	5.6	24.1	4.1	9
10	24.9	6.4	25.1	5.7	23.6	3.5	25.0	4.5	25.9	5.4	26.1	5.8	25.6	7.7	25.8	5.8	10
11	25.5	7.0	25.2	5.9	22.5	2.5	25.7	4.7	25.7	4.2	26.8	6.4	26.1	6.9	26.2	5.7	11
Noon	25.4	7.2	24.9	5.9	25.0	5.1	25.1	4.2	28.4	7.8	27.0	7.1	26.3	6.7	26.4	5.9	Noon
13h	25.7	6.2	25.7	6.6	26.1	6.6	24.9	4.7	26.1	5.8	27.0	7.2	26.0	6.3	26.2	5.8	13h
14	25.4	5.8	26.0	6.9	26.0	6.5	24.6	4.4	26.5	6.2	26.8	7.0	26.1	6.8	26.4	6.8	14
15	25.0	5.5	25.2	6.1	26.0	7.5	24.5	4.4	25.7	6.2	25.9	5.6	25.9	6.2	26.1	6.2	15
16	24.3	5.0	24.9	6.1	25.1	6.0	24.9	4.3	24.7	5.5	24.5	5.0	25.0	5.6	25.2	5.0	16
17	23.3	4.3	23.6	4.1	24.2	6.2	24.1	3.5	24.0	5.1	23.0	3.4	24.1	4.7	23.8	3.4	17
18	21.9	2.9	22.1	3.2	23.3	4.8	22.9	2.2	22.8	4.8	23.5	3.8	22.4	3.8	22.8	2.9	18
19	20.6	2.2	20.9	2.5	22.7	3.8	22.9	2.8	21.0	3.4	21.0	2.0	21.4	2.6	22.1	2.5	19
20	20.3	1.9	20.4	2.8	21.9	2.9	22.1	1.8	20.5	2.5	19.9	0.5	20.0	1.8	21.8	2.5	20
21	20.7	2.2	20.8	2.4	21.8	2.3	21.5	1.5	20.1	2.1	20.5	1.2	20.6	1.7	21.4	2.3	21
22	20.3	2.3	20.9	1.7	21.5	1.9	21.6	1.3	20.0	1.7	20.4	0.9	20.0	1.5	20.5	1.9	22
23	20.8	1.8	20.8	2.0	21.5	1.8	21.4	1.8	20.3	1.7	19.9	0.9	19.9	1.4	20.1	1.7	23

Day / Hour	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	18.9	1.3	18.4	1.6	20.0	3.0	19.4	2.2	18.7	2.5	17.9	2.0	19.7	0.7	19.8	2.4	Mid-night
1h	18.9	1.4	16.7	1.2	19.8	1.8	19.0	1.9	18.3	2.6	18.9	2.5	19.6	1.0	19.8	1.9	1h
2	18.9	1.4	16.5	1.2	18.7	1.7	19.7	2.7	17.9	2.4	17.6	2.0	19.8	1.3	19.3	2.1	2
3	18.7	1.5	16.2	1.6	18.8	2.1	18.3	1.8	17.5	1.3	16.5	1.5	19.8	1.2	19.0	2.0	3
4	18.5	1.5	15.4	1.0	18.2	1.9	19.8	3.2	17.6	0.1	15.0	1.7	19.5	1.3	19.0	1.3	4
5	18.3	1.3	15.4	1.1	16.7	1.3	19.8	3.2	18.3	1.1	14.5	1.1	19.5	1.4	18.9	1.6	5
6	18.0	1.3	16.5	1.2	16.2	0.7	20.5	2.9	20.0	2.6	15.5	1.5	19.8	1.5	19.4	2.1	6
7	21.0	1.8	19.8	2.0	18.8	1.0	22.2	3.4	22.4	4.4	19.0	2.0	20.9	2.2	21.9	3.4	7
8	22.5	3.3	22.8	4.3	22.9	4.4	24.0	4.9	23.5	6.1	22.9	4.4	22.8	3.7	23.1	4.2	8
9	24.1	4.9	24.2	5.7	23.6	5.0	24.9	5.0	24.3	7.0	24.3	5.4	24.0	4.8	24.7	5.9	9
10	25.3	5.8	25.3	7.1	25.2	6.3	25.7	6.4	24.6	7.6	25.1	5.6	25.0	6.0	23.1	3.7	10
11	25.8	6.1	26.0	7.6	25.0	6.2	26.1	6.7	24.9	7.8	25.6	5.7	25.4	5.5	24.7	5.3	11
Noon	26.5	6.4	26.1	8.1	26.1	7.1	26.2	6.7	24.9	7.7	26.0	6.1	26.1	6.8	25.0	5.6	Noon
13h	25.4	6.3	25.8	6.1	25.8	6.8	26.1	6.8	25.1	6.8	24.6	4.9	26.2	6.7	25.0	5.8	13h
14	26.3	7.1	24.3	5.5	26.0	7.2	26.3	7.0	23.7	5.5	23.1	3.6	26.0	6.6	24.9	6.1	14
15	24.9	6.4	24.1	5.6	25.2	6.7	25.9	6.5	24.2	6.2	22.0	2.8	25.8	6.5	25.9	7.5	15
16	24.1	5.9	23.7	5.3	26.0	7.7	22.7	3.2	24.1	6.7	21.7	2.5	25.1	6.2	25.1	6.1	16
17	23.7	5.7	22.9	5.0	24.7	6.3	23.6	4.3	22.9	5.7	20.9	2.0	24.1	5.6	24.1	5.6	17
18	22.8	4.9	22.0	3.9	23.1	5.5	22.6	3.8	22.0	4.7	20.9	1.7	22.8	4.5	23.0	5.3	18
19	21.2	3.7	20.7	2.9	21.6	4.1	21.2	2.3	21.1	3.7	20.6	1.7	21.1	3.1	21.1	3.6	19
20	20.0	3.0	19.9	2.5	20.4	3.0	20.3	2.0	20.5	3.6	20.0	1.1	20.7	2.9	20.4	3.0	20
21	19.2	2.6	19.5	2.4	19.9	2.7	19.8	1.8	19.1	3.1	19.9	1.5	19.9	2.4	20.0	1.9	21
22	18.8	2.3	18.8	1.8	19.5	2.3	19.4	1.7	18.0	2.3	19.8	1.2	19.8	2.0	20.0	1.7	22
23	17.8	1.8	18.5	1.7	18.9	2.0	19.0	1.6	18.0	2.6	19.4	0.8	19.6	1.7	20.1	1.7	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, 1943.

Day / Hour	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	19.9	1.6	18.7	1.5	17.8	1.5	20.4	2.5	20.6	1.2	20.5	1.4	20.9	0.9	20.8	1.5	Midnight
1h	20.4	2.0	19.8	2.3	17.7	1.7	20.0	2.2	19.9	0.9	20.4	1.5	20.9	0.9	20.9	1.4	1h
2	20.1	2.2	19.7	2.2	17.5	1.7	19.8	2.3	20.0	1.0	20.8	1.8	20.5	1.1	20.9	1.7	2
3	19.9	1.8	19.5	2.3	16.5	1.5	19.6	2.1	19.0	0.7	20.7	2.5	19.6	1.2	19.9	1.2	3
4	19.9	1.4	19.0	1.6	15.5	1.2	19.4	2.0	18.9	1.1	19.7	1.6	19.8	1.0	20.0	1.2	4
5	19.8	1.5	18.7	1.7	15.5	1.1	19.5	1.8	18.5	1.3	19.7	1.4	20.4	1.0	20.1	1.4	5
6	19.7	1.7	20.0	2.4	17.8	1.8	20.0	1.8	19.6	1.8	19.8	1.2	20.8	1.2	20.5	1.2	6
7	21.6	2.1	22.1	3.5	22.2	3.2	22.6	3.1	22.5	2.5	20.7	0.5	22.4	1.5	23.0	2.1	7
8	23.2	3.9	24.0	4.7	24.1	3.8	24.0	4.7	24.0	3.9	22.8	2.6	23.7	2.7	24.9	4.1	8
9	24.4	5.3	25.0	5.5	25.2	5.6	26.0	6.0	25.2	5.7	24.1	3.7	24.3	3.5	25.8	4.8	9
10	25.1	5.9	26.0	6.5	25.3	5.6	26.4	6.4	26.1	6.6	25.4	4.4	25.1	4.1	26.9	5.7	10
11	26.0	6.4	25.1	5.6	26.4	7.0	25.1	4.6	27.1	7.6	26.1	4.9	26.1	4.9	27.3	6.1	11
Noon	25.9	6.4	24.7	5.9	25.8	5.3	25.1	4.6	27.3	7.7	26.1	5.1	26.9	5.8	27.2	6.4	Noon
13h	25.0	4.4	25.1	5.9	25.0	4.5	24.1	3.6	27.2	7.3	26.3	5.3	26.7	5.7	26.7	4.9	13h
14	25.1	5.1	25.1	5.9	24.3	3.9	24.7	3.9	26.8	7.3	26.4	5.7	26.8	5.8	27.1	5.8	14
15	24.1	4.6	24.9	5.9	24.2	3.6	24.6	4.3	26.1	6.8	26.3	5.8	26.3	6.0	27.0	6.2	15
16	24.1	4.9	24.3	5.5	24.2	4.3	24.2	3.8	25.9	5.9	25.1	4.7	25.3	5.0	26.6	6.6	16
17	23.1	4.3	23.5	4.9	23.8	4.3	24.1	3.8	25.1	5.3	25.2	5.0	24.7	4.4	25.9	5.9	17
18	22.0	3.5	22.9	4.5	22.8	4.8	22.9	3.8	23.6	4.0	24.0	4.4	24.1	3.7	24.1	4.3	18
19	21.2	2.6	21.8	3.9	22.0	3.2	22.4	3.5	22.9	3.3	22.6	2.9	23.3	3.2	22.9	3.1	19
20	20.6	2.2	21.0	3.1	21.7	3.1	21.4	2.8	22.1	2.8	22.0	2.2	22.1	2.1	22.0	2.4	20
21	19.9	1.8	20.6	3.1	21.5	2.9	20.3	1.9	20.9	2.3	21.9	1.9	21.4	1.9	20.9	1.8	21
22	19.0	1.4	19.1	2.1	21.0	2.7	19.9	1.8	20.5	1.6	21.4	1.7	21.0	1.6	20.8	1.6	22
23	19.0	1.5	18.7	2.0	20.8	2.8	19.8	1.6	20.8	1.9	20.9	1.4	21.0	1.7	20.8	1.4	23

Day / Hour	25d.		26d.		27d.		28d.		29d.		30d.		...		Mean		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	20.8	1.4	22.1	1.6	21.1	1.5	22.2	0.8	22.9	1.5	22.3	1.3	...	...	20.2	1.6	Midnight
1h	20.4	1.2	21.8	1.2	20.4	1.4	22.2	1.0	22.8	1.5	22.0	1.4	...	...	20.1	1.5	1h
2	20.7	1.3	20.8	1.1	19.8	1.4	22.1	0.9	22.3	1.3	20.8	1.2	...	...	19.8	1.5	2
3	21.0	1.4	20.1	0.8	20.5	1.3	22.0	1.0	22.2	1.3	20.1	1.1	...	...	19.5	1.5	3
4	20.9	1.4	19.9	0.9	20.0	0.7	22.0	1.0	21.8	1.2	20.0	0.8	...	...	19.3	1.3	4
5	20.0	1.2	19.9	0.9	19.8	1.0	22.0	1.0	21.9	1.4	20.9	1.2	...	...	19.1	1.3	5
6	21.6	2.1	20.9	1.5	20.0	0.8	22.5	0.9	22.0	1.1	22.0	1.0	...	...	19.8	1.6	6
7	23.7	2.7	23.2	2.0	22.6	1.7	23.1	1.2	24.0	2.1	24.0	2.5	...	...	22.0	2.4	7
8	24.9	4.3	24.4	3.4	24.9	3.9	24.0	2.0	25.0	3.8	26.1	4.6	...	...	23.7	4.0	8
9	26.2	5.0	26.2	5.0	26.0	4.8	25.2	3.0	26.4	4.7	27.1	5.0	...	...	24.8	4.9	9
10	26.7	5.7	27.2	5.9	26.9	6.2	26.4	4.4	28.2	6.3	28.1	6.3	...	...	25.7	5.7	10
11	27.0	6.0	27.9	6.5	27.0	6.1	25.0	2.9	28.2	6.7	28.6	6.6	...	...	26.0	5.9	11
Noon	27.3	5.9	28.2	6.6	27.1	6.2	25.3	3.3	28.5	6.6	29.3	6.9	...	...	26.3	6.2	Noon
13h	27.1	5.5	28.0	6.9	27.2	6.2	26.1	4.2	29.5	7.3	29.9	7.8	...	...	26.2	6.0	13h
14	27.4	5.5	27.7	6.8	27.3	6.3	26.8	4.9	29.0	6.7	29.3	7.4	...	...	26.1	6.0	14
15	27.9	6.1	27.7	6.7	27.2	6.1	26.5	5.9	27.7	5.4	28.1	6.9	...	...	25.7	5.9	15
16	26.5	5.3	27.0	6.1	26.3	5.4	25.9	5.2	26.4	4.3	25.6	4.6	...	...	25.0	5.3	16
17	25.6	4.4	26.0	6.1	25.1	4.3	25.1	3.8	25.4	3.3	23.6	2.2	...	...	24.1	4.6	17
18	24.7	3.5	24.7	4.9	24.3	3.9	24.2	3.2	24.6	2.6	23.0	1.8	...	...	23.1	3.8	18
19	24.1	3.4	23.0	3.3	23.3	3.0	23.8	2.6	24.0	2.1	22.8	1.9	...	...	22.1	3.0	19
20	23.6	2.8	22.1	2.5	23.1	2.6	23.6	2.4	23.9	2.2	22.1	2.1	...	...	21.3	2.4	20
21	22.9	2.3	21.8	2.3	23.0	2.3	23.2	1.9	23.0	1.1	20.9	1.5	...	...	20.9	2.1	21
22	23.0	2.0	21.8	2.0	22.9	2.1	23.0	1.7	22.6	1.2	20.7	1.4	...	...	20.5	1.7	22
23	22.9	1.9	21.8	2.0	22.9	1.9	22.9	1.7	22.0	0.8	19.9	1.1	...	...	20.3	1.7	23

TABLE XII. DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during NOVEMBER, 1943.

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 interupted are indicated by an asterisk *)

NOVEMBER, 1943.

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.
Mid night	10	2.5	[illegible]	4.[illegible]	09	4.0	09	2.3	10	1.2	10	[illegible]	09	5.0	10	2.3	10	[illegible]	11	1.8	[illegible]	2.4	12	2.1	15	1.0	14	1.0	12	4.2	11	2.6
1h	10	2.0	10	3.2	10	3.3	10	2.2	11	[illegible]	09	2.6	10	4.1	10	1.8	10	2.4	11	1.6	12	1.6	12	2.0	15	1.1	14	2.0	12	4.3	2	3.0
2	09	2.7	10	3.8	08	4.3	10	1.9	04	1.1	09	2.1	10	4.3	10	1.8	10	2.1	11	1.0	10	1.4	12	2.0	11	1.3	14	1.3	12	4.3	11	2.2
3	09	2.5	11	2.3	08	3.5	10	3.2	06	1.4	09	2.3	10	5.0	10	1.7	10	2.3	11	0.6	12	3.0	12	2.7	15	1.2	14	0.9	12	4.3	11	2.2
4	10	3.1	11	3.5	09	2.1	09	1.4	10	1.8	09	1.9	09	3.3	10	2.0	10	2.5	11	0.7	11	2.8	12	3.9	15	1.7	14	0.6	10	3.3	10	2.0
5	11	3.0	10	3.1	09	2.9	10	1.8	10	3.2	09	2.0	10	4.0	10	1.5	10	1.6	11	2.3	11	1.4	12	2.7	11	4.7	14	0.6	10	3.7	10	2.2
6	10	3.5	07	3.8	08	3.5	10	2.1	09	1.6	09	2.6	09	4.2	11	3.1	10	2.2	11	2.6	11	1.0	11	1.8	11	3.2	14	0.6	10	5.5	11	3.0
7	09	5.0	10	3.9	09	4.3	10	1.8	13	1.3	09	3.4	09	6.1	12	3.1	10	2.8	11	1.7	11	1.7	12	4.7	08	3.8	14	1.7	10	6.4	11	3.8
8	10	3.2	07	5.6	08	4.1	10	3.9	10	3.6	08	4.5	10	6.3	10	3.2	07	4.0	12	2.9	09	4.4	11	4.6	11	4.6	11	5.4	09	4.4	11	4.3
9	09	4.9	08	6.2	08	3.7	08	4.0	11	4.3	08	4.8	10	7.4	09	4.2	06	4.3	09	4.7	12	4.2	12	5.7	12	5.4	11	5.6	08	6.9	10	5.3
10	08	5.5	07	5.8	08	4.3	08	4.3	10	4.8	07	4.9	10	6.7	06	4.4	05	4.3	09	5.5	09	4.5	10	6.9	09	4.5	10	5.3	10	7.0	10	6.5
11	08	5.9	06	5.5	03	4.1	05	4.1	10	4.5	09	5.3	08	5.5	08	4.8	08	4.4	10	4.3	09	4.8	09	7.3	10	5.2	10	6.5	08	4.4	09	4.9
12	09	5.9	08	5.8	07	4.5	05	3.4	07	3.3	09	5.5	11	5.7	08	4.5	05	4.8	13	3.1	08	4.8	08	5.5	12	4.6	09	6.2	06	7.0	09	5.1
13	08	6.0	09	5.4	07	5.1	06	3.0	d22	2.8	09	5.9	10	4.7	06	4.4	09	3.9	20	2.2	08	5.2	11	6.1	13	5.9	10	5.9	09	4.3	06	4.6
14	06	6.3	06	5.3	05	4.9	09	1.8	d32	[illegible]	10	5.5	10	4.9	11	3.9	06	3.8	d13	3.3	09	4.9	09	6.2	13	5.6	12	5.2	09	5.2	09	5.3
15	08	6.4	05	4.9	05	4.8	06	2.2	d09	4.4	08	5.2	10	5.2	04	4.0	07	3.8	10	3.6	09	4.7	09	6.2	12	4.7	12	5.0	08	5.0	09	5.6
16	08	5.7	08	4.8	05	4.3	06	1.0	10	3.9	09	5.4	08	5.1	07	3.4	08	4.0	10	4.0	11	4.0	12	4.6	13	5.1	12	4.4	09	4.9	09	4.5
17	08	5.4	09	4.7	08	3.5	10	1.2	11	4.0	10	5.2	08	4.4	05	3.8	08	4.4	10	3.7	10	4.0	09	5.6	12	4.1	12	3.9	10	5.0	08	4.9
18	09	5.2	09	4.2	08	2.9	14	1.1	10	2.7	10	4.8	10	3.2	07	3.4	09	3.0	08	3.1	12	4.4	11	6.8	13	3.9	09	3.4	11	4.5	10	4.9
19	11	3.8	06	3.6	08	1.8	07	1.2	09	2.7	08	4.3	11	2.4	07	1.8	09	1.8	09	1.3	12	2.3	10	4.6	13	3.4	11	4.7	10	3.8	09	3.9
20	10	2.6	10	3.0	08	3.0	07	0.7	10	2.6	10	3.3	11	1.9	08	1.8	11	1.7	10	1.6	12	2.2	11	3.7	13	2.2	11	4.0	11	2.4	09	2.5
21	08	4.3	10	2.7	08	3.0	07	1.1	11	2.0	10	4.2	11	2.1	08	2.0	11	2.0	10	1.8	12	2.1	12	3.2	13	1.1	11	3.6	11	1.6	11	1.8
22	11	4.2	10	3.7	08	2.7	10	1.2	10	2.5	11	4.6	10	2.5	10	2.7	11	1.3	10	1.7	12	1.9	12	1.6	13	0.9	10	4.0	12	1.7	10	1.7
23	10	3.4	09	4.6	09	2.4	10	1.1	10	2.1	10	4.7	10	1.8	10	1.5	10	2.1	10	1.1	12	1.3	15	1.4	13	2.2	12	2.7	11	2.1	10	2.2

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.	
Mid night	12	2.2	13	2.8	11	2.2	12	3.4	10	2.1	09	2.3	10	1.8	08	2.5	10	3.0	05	1.7	09	2.2	08	3.5	07	2.5	10	2.3	..	...	2.5
1h	09	2.4	11	3.7	11	1.6	12	2.4	11	1.9	09	2.3	10	1.3	09	1.7	10	2.3	06	1.3	09	1.3	08	3.8	07	2.6	11	1.3	..	...	2.3
2	10	3.0	12	1.8	11	1.5	13	1.6	11	1.7	09	2.2	10	1.3	09	2.0	10	2.3	06	1.3	09	1.5	08	3.7	07	2.7	11	1.2	..	...	2.2
3	12	2.8	10	2.5	11	1.0	12	2.2	11	1.8	10	2.2	10	1.2	09	2.1	10	2.8	08	2.0	09	1.7	08	3.4	07	2.9	11	1.1	..	...	2.3
4	12	2.3	09	2.4	11	1.8	12	2.5	15	1.3	10	2.1	10	1.2	10	1.9	10	2.5	09	2.0	10	1.6	09	3.3	07	2.7	11	1.6	..	...	2.2
5	11	3.0	10	2.2	11	1.8	12	2.9	12	2.1	10	2.6	10	1.3	10	1.8	10	2.4	09	1.7	10	1.8	09	2.8	07	2.1	11	1.4	..	...	2.4
6	10	3.3	11	2.5	11	1.6	12	2.8	11	2.1	10	3.4	03	1.1	10	2.6	10	2.5	09	2.0	10	2.4	09	3.6	07	1.8	11	1.5	..	...	2.6
7	09	4.1	10	3.5	14	2.0	11	2.7	11	3.2	10	3.7	07	1.8	10	3.7	10	3.[illegible]	09	2.[illegible]	08	3.7	08	4.7	06	2.9	11	1.8	..	...	3.3
8	09	5.5	11	4.6	11	3.1	11	3.5	11	3.3	10	4.2	04	2.0	09	4.4	06	4.8	03	3.3	08	4.4	08	4.7	05	3.4	04	3.1	..	...	4.1
9	10	6.7	09	4.8	11	3.9	11	3.3	09	3.5	10	4.6	04	1.8	07	4.6	08	5.1	05	3.9	08	5.0	07	6.0	05	3.6	06	3.6	..	...	4.7
10	07	5.0	09	4.0	10	3.9	11	3.8	12	3.8	07	4.3	32	2.8	08	4.8	08	4.7	06	3.9	06	4.4	07	5.0	07	3.2	06	3.6	..	...	4.7
11	07	5.4	06	4.3	09	3.4	d22	2.9	10	3.1	07	4.1	04	4.1	09	4.8	07	4.9	03	4.2	06	4.7	07	5.9	04	3.4	05	3.1	..	...	4.7
12	07	5.0	08	3.7	d22	2.6	28	3.8	08	4.4	08	5.1	04	4.2	08	4.7	05	4.9	04	4.6	07	4.4	07	4.8	01	3.5	04	3.2	..	...	4.6
13	07	5.1	08	3.8	23	3.3	24	2.2	09	4.1	08	5.0	03	3.5	05	5.3	05	4.6	05	4.9	05	5.3	05	5.4	03	3.8	05	4.2	..	...	4.5
14	08	4.5	07	3.8	22	2.9	19	1.5	10	4.9	07	4.5	05	4.0	07	5.2	08	4.6	04	4.5	07	5.0	07	5.3	03	4.1	05	3.7	..	...	4.4
15	08	4.6	07	4.4	22	1.9	18	2.1	10	4.2	08	4.8	06	3.6	07	4.6	03	4.4	06	4.7	07	5.8	08	5.1	03	3.0	06	3.1	..	...	4.4
16	06	3.8	06	3.9	d08	2.6	18	1.8	09	3.6	10	4.1	06	3.8	07	4.4	05	4.3	07	4.1	08	5.7	06	4.4	03	2.2	05	3.1	..	...	4.0
17	10	4.3	06	2.7	11	3.4	17	2.5	09	3.5	10	4.4	08	3.2	10	3.8	04	3.9	06	3.4	08	5.5	08	4.3	31	1.3	d17	4.3	..	...	3.9
18	10	3.7	06	2.3	11	4.1	10	2.4	10	3.3	11	3.6	07	2.5	10	4.4	03	3.2	09	2.8	08	4.4	08	3.6	06	2.0	18	2.7	..	...	3.6
19	09	3.2	07	2.1	12	3.8	10	2.2	11	2.7	09	2.6	08	2.0	10	2.3	04	2.1	09	1.9	09	4.7	08	3.3	07	1.5	18	1.1	..	...	2.8
20	09	1.7	07	1.3	13	2.5	11	2.5	11	2.5	10	2.0	08	2.0	10	1.5	04	1.2	10	1.9	09	4.1	08	2.5	07	1.1	18	0.7	..	...	2.2
21	09	2.2	08	1.5	13	3.5	11	1.6	10	2.4	10	2.3	08	1.4	10	2.1	04	1.0	10	1.9	08	3.8	07	2.2	07	0.9	18	1.2	..	...	2.2
22	11	1.9	09	1.8	14	4.3	11	1.1	10	2.3	10	2.2	08	1.5	10	2.0	04	0.8	10	2.0	09	3.6	07	2.3	07	1.1	15	1.7	..	...	2.3
23	11	2.6	09	1.4	13	3.8	11	1.7	10	2.2	10	2.4	08	2.2	10	2.3	04	1.5	08	2.5	08	4.0	08	2.4	10	1.7	10	1.8	..	...	2.3

TABLE XIII.-WIND FREQUENCY (NUMBER OF OBSERVATIONS), NOVEMBER, 1943

Force (0 - 12)				Direction															
Hour	8 or above	4 to 7	0 to 3	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	8	8	11	1	1	-	-	-	-	-	-	-
9	-	7	23	-	-	3	2	14	4	7	-	-	-	-	-	-	-	-	-
15	-	4	26	-	-	5	4	14	3	2	-	-	1	-	1	-	-	-	-
21	-	-	30	-	-	1	-	10	7	11	-	-	1	-	-	-	-	-	-
Totals				-	-	9	7	46	22	31	1	1	2	-	1	-	-	-	-

TABLE XIVa.-RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for NOVEMBER, 1943.

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	...	...	...	1.1	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	0.4	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	0.1	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...
5	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.0	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	1.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	0.4	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	0.1	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	1.3	...	...	...	...	...	0.3	...	...	...	...	...	...	1.4	...	...	...

TABLE XIVb.-RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for NOVEMBER, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	...	0.3	...	...	...	...	1.3	...	...	...	...	...	...	...	0.6	...	0.9	...	...	...	...	0.8	0.2	...	...	0.1	...	...	...	...
2	0.3	0.4	...	...	...	...	0.4	...	...	...	...	...	...	...	0.1	...	4.0	...	...	...	...	0.6	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	0.7	1.5	...	...	...	3.5	...	...	...	...	...	...	0.1	...	...	...	...	...	...
4	...	0.2	0.1	...	...	...	...	...	...	...	...	0.3	1.7	...	0.2	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...
5	0.5	...	...	...	...	...	...	0.2	...	...	...	...	...	...	0.2	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...
6	0.2	2.4	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...
8	...	0.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8	...	...	...	...	...	...	...	...	...	...	...	...	...	1.2	...	...
Noon	...	...	...	1.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.8	...	...
13h	...	...	...	1.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	1.5	...	...	...	...	...	...	...	0.3
15	...	...	...	0.1	...	0.3	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	0.6
16	...	...	...	...	...	0.2	...	...	...	...	...	0.2	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1
17	...	...	...	0.1	...	1.0	...	...	...	...	...	...	...	1.1	...	...	...	0.7	...	...	...	...	...	...	...	...	2.5	...	...	...
18	...	...	...	...	...	0.5	...	...	...	...	...	0.4	...	0.2	...	...	...	0.3	...	...	...	...	1.5	...	...	...	...	...	...	...
19	...	...	...	...	...	0.6	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	0.2
20	...	0.5	...	...	...	0.5	...	...	...	...	...	0.1	...	0.7	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	...	0.4
21	0.2	...	...	...	...	3.5	...	...	...	...	...	0.3	...	0.6	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	1.5	...	...	...	...	0.5	...	...	...	...	...	...	...	0.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	0.8	...	...	...	...	0.4	...	...	1.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	0.2	...	...	...	...	0.6	...	...	...	...	...	...	...	0.5	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...

TABLE XV.-TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS according to RIVER SYSTEMS indicated on the CHART for NOVEMBER, 1943.

RIVER SYSTEM.	STATIONS	Approximate Altitude in feet.	Total Fall		Normal in inches	Number of Days
			inches	Millimetres		
1	Mare Sèche	20	0.70	17.8	1.62	
	St. Antoine	50	0.24	6.0	1.42	
	Bel Mont	50			1.83	
	Poudre d'Or	20			1.73	
	Mon Loisir S.E.	300	0.87	22.1	2.16	9
	Forbach	300	1.14	29.0	1.80	7
	Couroupa	...			2.17	
	Labourdonnais	290	0.47	12.0	2.00	2
	Mapou Water Office	No record				
	Beau Séjour	300	0.54	13.7	2.63	5
	Mont Piton	650	0.28	7.1	2.42	1
	Mon Choix	700	0.25	6.4	2.33	2
	Antoinette	640	0.79	20.1	2.67	4
	Mon Songe	620	1.03	26.2	3.04	4
	Botanical Gardens	325	0.93	23.7	2.19	14
	The Observatory	179	0.41	10.3	1.76	15
	Solitude	175	...	...	1.23	..
	St. André-cour	90			1.66	
	La Nicolière	...	1.02	25.9	5.15	11
	California	...	0.71	18.0	2.38	4
	Australia	...	1.26	32.0	...	
2 & 3	Union Regnard S.E.	600	0.47	11.9	2.78	5
	Constance l'Arifat L.G.	100	0.50	12.7	2.64	3
	Rich Fund	600	1.33	33.8	4.01	10
	La Joffrette	...	0.39	10.0	...	1
	Belle Vue Allendy	...	0.46	11.7	4.11	3
4	Sans Souci	900	4.39	111.5	6.12	16
	Beau Champ G.R.S.E.	20	0.57	14.5	2.47	6
	Olivia	400	1.10	27.9	4.22	11
	Trois Ilots	...	0.52	13.2	...	6
	Belle Rive	400	2.33	59.2	6.75	16
	Sébastopol	700			...	
5	Bonne Veine	400	3.02	76.7	6.35	14
	Rose Belle	850	2.79	70.9	7.98	16
	New Grove	650	1.25	31.8	...	8
	Mon Trésor	...	0.93	23.6	...	2
	Mon Désert Carie	75	0.49	12.4	2.93	3
	Ferney	20			3.50	
	Sauve Terre	...	0.34	8.6	...	3
	Tivoli	1300	2.62	66.5	5.90	8
	La Flora	1050	2.50	63.5	7.24	10
	Riche Bois Britannia	650	0.56	14.2	5.93	6
	Britannia Estate	700	2.21	56.1	4.55	9
6	Savannah Mill	200	0.47	11.9	3.63	6
	St Aubin	300	1.97	50.0	3.24	10
	St. Avold	900	2.26	57.4	5.88	9
	Colmar	400	0.90	22.9	4.38	7
	Union S.E.	...	1.19	30.2	4.18	
	Fontenelle	320	2.92	74.2	4.13	
	Choisy	200	3.40	86.4	2.60	4
	Beau Bois	...	3.25	82.6	3.72	12
	Bel Air	...	2.10	53.3	4.17	4
	St. Félix	...	0.89	22.6	...	3
7,8,9 & 10	Bel Ombre	40	3.54	89.9	2.30	9
	Beau Champ B. du Cap	70	2.02	51.3	2.73	6
	Frédérica	...	3.10	78.7	...	5
	Pierre Fonds	...	1.20	30.5	2.54	11
	Ste.Marie	...	2.10	53.3	...	6
	Hussonia	...			...	
11	Curepipe Gardens	1840	4.21	107.0	5.43	10
	Mare aux Vacoas G.E.	1850	3.78	96.0	6.63	19
	Mare aux Vacoas Arnaud	1830	5.09	129.3	6.32	19
	La Marie Filter Beds	1700	2.44	62.0	4.30	14
	Sophie	No record				
	Réunion	1420	2.76	70.1	3.36	13
	Aerological Station	1393	2.34	59.3	4.80	24
	Phoenix	...	1.50	38.1	3.30	3
	Quatre Bornes	...	0.95	24.1	...	7
12	Quatre Bornes Board	1090	0.31	7.8	...	5
	Le Réduit	1000	1.04	26.4	2.20	16
	Alma	1460	2.36	59.9	5.12	13
	Bagatelle	1250	1.92	48.8	2.75	4
	Highlands	1300	1.22	31.0	3.12	7
	Trianon	950	1.21	30.7	2.35	8
	Val Ory	1100			2.30	
	Bassin	...	0.66	16.8	2.90	4
	Hermitage	1450	2.85	72.4	5.55	7
	Ebène	...	1.22	31.0	...	10
	Bégà	...	1.35	34.3	...	10
	Mon Rêve	...	1.68	42.7	...	10
	Mont Pévril	...	1.26	32.0	...	10
	Minissy	1150	1.68	42.7	2.75	10
	Plaisance	...			...	
	La Ferme	350	0.52	13.2	1.65	6
13	Linx Barracks	...	0.28	7.1	...	8
	Richelieu Tobacco Res. Station	...	0.14	3.7	...	3

TABLE XVI. - PILOT BALLOON OBSERVATIONS FOR THE MONTH OF NOVEMBER, 1943.

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,500 metres		2,000 metres		2,500 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.
1	8.20	...	...	...	...	102	10.1	098	12.0	095	11.9	088	11.7	093	10.2	...	...	...	...	...	...	...	...
2	8.37	...	...	...	...	099	10.1	096	10.3	101	11.6	116	10.2	126	4.1	...	...	...	...	...	...	...	...
3	12.50	...	...	...	...	079	10.2	084	8.4	089	10.0	073	4.4	013	5.4	...	...	...	...	...	...	...	...
4	8.20	...	...	...	...	104	4.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	8.15	...	...	...	...	110	7.2	098	6.1	083	4.2	097	4.0	097	0.2	097	2.6	03	[illegible]	042	5.7	040	2.[illegible]
6	8.20	...	...	...	...	099	9.1	098	9.1	104	7.8	...	...	...	...	...	...	...	...	...	...	...	...
7	8.07	...	...	...	...	117	15.1	120	10.7	126	8.[illegible]	132	3.0	094	3.2	107	6.7	107	6.0	095	4.2	...	...
8	8.22	...	...	...	...	111	9.1	107	6.4	110	6.0	...	...	...	...	...	...	...	...	...	...	...	...
9	8.19	...	...	...	...	089	8.5	099	7.8	124	4.7	137	4.6	...	...	...	...	...	...	...	...	...	...
10	8.16	...	...	...	...	132	7.2	119	5.7	101	6.5	123	9.2	158	4.0	180	3.1	...	...	...	...	...	...
11	8.40	...	...	...	...	133	5.4	124	6.7	115	7.7	...	...	...	...	...	...	...	...	...	...	...	...
12	8.15	...	...	...	...	117	13.0	116	17.0	12[illegible]	18.3	121	12.0	...	...	...	...	...	...	...	...	...	...
13	8.40	...	...	...	...	13[illegible]	10.3	127	9.6	134	8.8	124	6.9	...	...	...	...	...	...	...	...	...	...
14	8.38	...	...	...	...	126	7.6	118	7.3	113	5.2	103	4.1	...	...	...	...	...	...	...	...	...	...
15	8.30	...	...	...	...	108	17.2	104	12.8	104	11.8	099	6.6	037	3.0	...	...	...	...	...	...	...	...
16	8.40	...	...	...	...	112	6.1	107	5.3	10[illegible]	4.3	...	...	...	...	...	...	...	...	...	...	...	...
17	8.38	...	...	...	...	107	15.5	107	13.0	102	9.4	115	6.3	...	...	...	...	...	...	...	...	...	...
18	8.20	...	...	...	...	116	3.0	126	2.5	075	1.6	313	2.2	264	1.0	207	0.4	315	[illegible]	295	1.7	320	3.3
19	8.20	...	...	...	...	130	9.1	123	4.8	035	3.2	055	4.6	...	...	...	...	...	...	...	...	...	...
20	8.40	...	...	...	...	126	2.7	138	3.4	177	2.2	165	1.5	081	3.8	...	...	...	...	...	...	...	...
21	8.10	...	...	...	...	113	6.5	109	5.0	108	5.5	091	6.2	100	6.9	115	6.5	122	3.8	119	2.8	196	3.2
22	8.15	...	...	...	...	093	11.1	091	8.4	093	8.9	...	...	...	...	...	...	...	...	...	...	...	...
23	8.40	...	...	...	...	040	3.1	038	3.7	025	5.4	...	...	...	...	...	...	...	...	...	...	...	...
24	8.40	...	...	...	...	088	6.0	087	7.0	082	6.8	086	7.9	094	4.2	120	5.2	17.9	4.4	173	2.6	...	...
25	8.35	...	...	...	...	097	8.1	075	5.5	078	10.1	...	...	...	...	...	...	...	...	...	...	...	...
26	8.40	...	...	...	...	070	6.0	066	7.2	073	7.5	079	6.5	100	6.	...	...	...	...	...	...	...	...
27	8.35	...	...	...	...	104	7.2	105	5.4	089	6.5	...	...	...	...	...	...	...	...	...	...	...	...
28	8.30	...	...	...	...	095	10.2	089	10.2	08[illegible]	8.8	070	7.8	...	...	...	...	...	...	...	...	...	...
29	8.40	...	...	...	...	08[illegible]	7.[illegible]	09[illegible]	6.2	099	5.9	120	3.9	121	3.[illegible]	180	0.2	073	[illegible]	174	4.6	17[illegible]	6.7
30	8.44	...	...	...	...	074	4.2	07[illegible]	4.0	073	4.6	100	5.1	140	4.9								

NEW SERIES (MONTHLY) VOL. XXIX. PART 12.

ROYAL ALFRED OBSERVATORY, MAURITIUS

(LATITUDE 20° 5' 39" S -LONGITUDE 3h 50m 12.6s E.)

RESULT

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

DECEMBER, 1943.

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, 1943.

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	Daily Range ≠ Vertical Force
	° ′			Unit ′	γ	
DEC.						
1	14°34.1	.22397	.30060	9.8	39	43
2	...	...	061	...	..	30
3	35.4	400	063	6.0	60	19
4	35.8	400	067	6.8	53	15
5	35.6	402	062	5.0	30	27
6	35.0	404	062	4.7	10	17
7	...	...	059	...	..	19
8	...	415	055	...	25	29
9	35.4	418	057	5.6	43	25
10	35.8	406	063	5.8	41	29
11	...	...	063	...	..	20
12	...	421	061	...	19	31
13	...	421	062	...	15	28
14	...	420	065	...	72	28
15	35.5	418	066	7.5	16	23
16	35.9	400	064	9.3	105	43
17	35.3	392	073	5.5	50	17
18	35.6	399	066	8.7	40	30
19	35.6	394	066	6.8	53	18
20	35.4	397	067	7.5	38	25
21	36.4	403	064	6.5	38	39
22	35.6	405	063	5.0	39	18
23	35.6	405	066	4.0	39	10
24	36.1	407	066	3.3	18	12
25	35.5	409	065	8.0	45	18
26	36.2	409	063	7.8	61	25
27	35.8	404	065	6.7	22	22
28	36.1	425	060	6.5	40	31
29	...	...	...	...	..	..
30	...	...	...	...	..	..
31	...	...	...	...	..	..
Mean	14°35.61	.22407	.30063	6.51	40.4	24.7

T = .37495: Mean Dip = 53°18′10: (X = .21684: Y = -.05646: Z = .30063)

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

MAGNETIC DISTURBANCES.

HORIZONTAL FORCE.

1d. Slightly disturbed in parts.
2d. Slightly disturbed.
3d. Moderately disturbed. Irregular features towards the end.
4d. and 5d. Slightly disturbed.
9d. Slightly disturbed.
14d. Disturbed during second half.
16d. Disturbed in second half. Mainly irregular features. Absolute range 119γ.
17d. to 23d. Slightly disturbed throughout. Minor irregular waves in parts.
25d. and 26d. Slightly disturbed, mainly during second half.

TABLE II.—RESULTS OF ABSOLUTE DETERMINATIONS OF THE MAGNETIC ELEMENTS during the Month of DECEMBER, 1943.

Declination (West)		Horizontal Force		Dip (South)		Resulting
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	Vertical Force
d h m	° ′	d h m		d h m	° ′	
7.14.43	14.33.6	2. 9.25	.22432	1.13.22	53.16.62	.30030
17.14.40	14.32.3	6. 9.06	.22407	10.12.35	53.16.69	.30040
28.13.52	14.33.5	9. 9.53	.22439	21.11.30	53.19.06	.30059
31.14.08	14.30.3	15.10.10	.22416	28.14.08	53.13.44	.30032
		18. 9.12	.22405	31.14.25	53.17.43	....
		22. 9.10	.22399			
		29.11.41	.22394			

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

DECEMBER, 1943

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	14° +																
	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	'	
Midnight	34.7	34.5	38.0	36.3	36.3	36.0	35.5	35.5	35.5	36.5					35.0	36.0	Midnight
1h	34.5	36.0	36.3	35.7	36.0	35.5	35.3	35.7	36.0	36.7					35.5	37.0	1h
2	35.0		35.5	35.0	35.5	35.3	35.3	35.7	36.5	37.3					36.0	36.7	2
3	35.5		34.0	35.0	35.0	35.5		36.0	36.7	37.7					36.3	37.5	3
4	35.5		35.0	34.0	35.5	35.3		36.3	36.7	38.0					36.7	37.5	4
5	35.7		36.5	35.0	36.3	35.7		36.5	37.0	37.0					37.3	38.7	5
6	36.0		37.0	35.3	35.5	36.0		37.0	37.3	37.3	36.0				37.7	39.3	6
7	37.0	38.0	37.5	36.3	36.0	36.7	36.0	38.0	37.0	37.5	36.3				38.0	39.0	7
8	38.0	39.5	37.5	36.7	36.7	37.0	36.0	39.0	37.6	38.0	36.7				38.5	38.7	8
9	38.0	39.0	37.5	37.7	37.0	36.7	35.7	38.0	36.7	38.3	36.5				39.0	38.0	9
10	38.3	39.0	36.0	38.5	37.5	36.3	36.5	36.3	36.0	38.3	36.3				38.3	37.3	10
11	36.7	38.5	36.0	39.5	37.0	36.0	37.5	35.0	34.5	37.5	35.0				37.0	37.0	11
Noon	33.5	36.3	35.0	39.0	36.0	34.7	36.5		33.0	36.0	33.5				34.0	35.3	Noon
13h	30.0	33.5	33.7	37.0	35.5	33.5	35.5		33.0	34.5	32.0				32.3	31.0	13h
14	28.5	32.0	33.0	35.0	34.0	32.5	35.0		32.5	33.6	31.5			30.0	31.5	30.0	14
15	29.0	31.5	32.0	33.5	32.5	32.3	33.5		32.0	32.5	32.0			30.7	31.7	32.0	15
16	30.5	31.5	32.0	32.7	33.5	32.5	33.3		32.3	32.7	33.5			32.0	33.0	31.0	16
17	31.5	33.0	33.0	34.0	34.0	33.5	33.5		35.0	33.3	33.5			33.5	33.7	32.5	17
18	32.7	34.5	35.0	35.0	35.0	34.3	34.0	34.0	34.5	34.0	33.7			34.0	34.5	34.0	18
19	32.5	35.5	35.0	35.3	35.5	34.7	34.3	34.3	34.7	34.0	34.0			34.5	34.7	35.0	19
20	32.5	37.0	36.3	34.7	36.3	34.7	34.5	34.5	36.5	34.3	34.0			35.0	35.0	36.3	20
21	33.7	37.5	35.0	35.5	35.5	35.0	34.7	34.7	36.0	34.5	34.7			35.0	35.0	36.3	21
22	35.5	36.5	36.5	36.3	35.5	34.7	34.7	35.5	36.0	34.7	35.0			35.0	35.5	37.5	22
23	34.3	37.0	37.0	36.3	35.7	35.3	35.0	35.7	36.3	34.7	35.5			35.3	35.7	36.7	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
	14° +																
Midnight	36.5	36.5	36.0	37.5	37.0	37.5	37.0	36.3	36.3	35.7	36.0	36.0	35.0	●	●	36.3	Midnight
1h	35.5	36.5	36.2	36.5	38.0	38.0	37.0	36.7	36.2	36.0	35.0	36.3	35.5	●	●	36.2	1h
2	35.0	36.0	36.2	36.7	37.3	37.5	37.0	36.7	36.3	37.0	35.5	36.7	35.7	●	●	36.2	2
3	35.0	35.5	36.0	36.7	36.7	36.5	35.7	36.5	36.5	37.5	36.5	37.0	36.3	●	●	36.2	3
4	36.7	35.0	36.3	37.0	35.7	38.0	36.0	36.3	37.0	37.3	37.0	37.5	36.7	●	●	36.4	4
5	37.0	35.5	36.5	36.0	36.0	37.5	36.7	36.5	37.3	37.5	37.7	37.5	37.5	●	●	36.7	5
6	36.0	36.0	36.5	36.5	36.0	37.0	37.0	37.3	37.5	37.5	38.5	38.0	38.0	●	●	36.9	6
7	35.5	37.0	35.5	35.7	37.0	37.0	37.5	38.0	39.5	40.0	40.0	39.0	39.5	●	●	37.5	7
8	36.7	38.0	36.7	36.0	38.3	36.0	36.5	37.5	39.5	40.3	38.3	38.5	39.7	●	●	37.7	8
9	36.5	40.0	38.0	37.5	39.5	36.0	36.0	37.0	37.0	39.5	37.0	38.3	39.5	●	●	37.7	9
10	37.0	40.0	38.3	37.5	39.0	36.3	36.3	37.5	35.0	39.5	37.0	38.0	38.0	●	●	37.5	10
11	36.5	39.0	37.5	37.0	38.7	36.0	36.3	37.0	34.0	37.0	35.5	37.0	36.0	●	●	36.8	11
Noon	36.0	36.0	36.0	36.3	38.0	34.0	36.0	35.0	32.5	35.0	34.3	35.3	34.0	●	●	35.3	Noon
13h	34.0	33.0	34.5	33.7	37.7	33.0	34.3	35.0	31.5	33.0	33.5	34.0	33.0	●	●	33.7	13h
14	32.5	32.0	32.5	32.0	36.7	35.0	34.0	35.0	31.7	32.5	33.3	32.5	32.7	●	●	32.9	14
15	31.5	31.3	32.7	31.5	34.5	34.0	34.5	35.5	33.5	32.5	34.0	33.0	33.0	●	●	32.7	15
16	32.0	31.5	31.5	30.0	33.0	33.0	34.3	34.7	34.7	33.0	35.0	34.5	●	●	●	32.7	16
17	33.5	33.5	33.5	32.0	33.5	33.0	33.5	35.0	35.0	35.0	36.0	35.7	●	●	●	33.8	17
18	34.0	34.0	33.5	33.3	34.0	34.0	34.0	35.3	35.3	35.5	35.5	35.7	●	●	●	34.4	18
19	35.5	35.5	34.0	35.0	34.5	34.3	34.5	35.5	35.0	35.5	34.7	35.7	●	●	●	34.8	19
20	36.0	36.0	35.0	35.3	34.7	34.7	34.7	35.3	35.0	35.0	34.3	35.5	●	●	●	35.1	20
21	36.0	35.0	37.5	37.0	35.0	35.3	34.5	35.0	35.0	35.5	34.5	35.3	●	●	●	35.3	21
22	36.0	36.0	36.0	37.0	35.7	35.5	35.0	35.5	35.5	35.5	35.0	35.0	●	●	●	35.7	22
23	36.5	36.5	37.5	37.0	37.0	36.5	36.5	35.7	35.5	36.0	35.5	35.0	●	●	●	36.1	23

● No register. Gas light failed - Plant out of order

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, 1943.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	+22000 + (C.G.S. Unit)																
Midnight	386	400	408	383	395	403	411	412	410	412		414	414	424	406	415	Midnight
1h	387		394	386	399	406	411	414	412	409		417	414	420	410	430	1h
2	390		395	395	405	405	410	416	412	410		419	418	422	419	426	2
3	393		414	400	409	401		417	415	410		422	420	422	421	421	3
4	395		410	406	406	403		418	416	408		428	423	422	420	436	4
5	395		404	409	404	401		423	417	422		429	419	427	419	440	5
6	394		413	412	400	405		420	419	419		430	416	432	418	435	6
7	390	421	416	417	410	407	414	417	422	420	415	431	418	436	420	438	7
8	383	422	420	432	401	409	419	412	424	419	417	427	418	436	420	433	8
9	377	426	410	424	396	407	419	416	433	416	411	421	419	434	416	424	9
10	380	428	401	417	416	409	423	420	440	412	419	421	429	437	420	430	10
11	394	430	418	403	414	406	420	424	436	406	425	422	429	440	422	440	11
Noon	402	444	415	393	405	400	412	424	426	407	428	423	423	440	418	435	Noon
13h	400	444	419	396	404	399	409	424	420	412	428	425	423	441	421	403	13h
14	407	438	407	402	407	402	410	426	428	415	425	425	426	442	421	367	14
15	412	428	402	399	410	404	413	425	429	416	426	423	429	431	420	381	15
16	412	420	391	398	402	403	409	420	420	401	420	420	425	426	419	384	16
17	416	417	387	391	394	404	404	415	412	393	415	418	425	416	418	335	17
18	411	410	364	385	386	401	401	410	413	387	413	414	421	410	416	336	18
19	410	409	360	379	386	400	402	405	414	382	413	418	420	372	414	351	19
20	400	366	387	389	392	402	407	403	397	381	410	416	420	370	421	352	20
21	384	374	403	392	399	402	410	404	403	391	405	416	419	389	415	353	21
22	400	380	382	391	396	406	411	401	404	398	402	414	419	397	417	364	22
23	401	392	393	399	397	409	412	406	410	401	409	412	420	401	414	380	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean of 25 days	Hour \ Day
	+22000 + (C.G.S. Unit)																
Midnight	374	394	420	390	407	422	409	406	410	417	390	410	415	@	@	405	Midnight
1h	388	395	408	409	395	409	405	403	409	420	401	413	415	@	@	406	1h
2	397	400	406	413	393	410	405	405	410	417	401	414	416	@	@	408	2
3	409	401	408	400	399	420	412	411	416	417	401	416	419	@	@	411	3
4	405	417	411	403	427	409	416	410	415	415	400	415	420	@	@	413	4
5	410	405	407	407	423	405	410	413	414	419	400	412	418	@	@	413	5
6	404	408	410	409	405	401	414	412	416	420	402	417	418	@	@	413	6
7	408	404	416	409	410	409	419	413	420	423	404	426	419	@	@	416	7
8	403	412	410	407	409	410	415	416	414	420	408	428	410	@	@	415	8
9	400	402	413	402	405	414	420	415	416	419	410	430	403	@	@	414	9
10	409	400	411	409	400	421	422	408	423	419	412	435	@	@	@	416	10
11	400	400	400	405	394	417	419	403	417	411	406	446	@	@	@	415	11
Noon	398	403	367	390	390	411	405	404	421	418	397	445	@	@	@	410	Noon
13	399	400	373	395	395	396	388	402	425	429	403	444	@	@	@	409	13h
14	397	409	370	396	399	383	385	401	401	433	406	450	@	@	@	408	14
15	370	403	377	398	398	390	383	399	380	422	407	445	@	@	@	406	15
16	370	391	379	362	391	383	390	398	388	400	403	436	@	@	@	401	16
17	360	390	372	397	389	394	392	409	395	385	405	428	@	@	@	398	17
18	365	377	386	386	395	395	395	408	398	372	401	420	@	@	@	394	18
19	371	396	390	375	400	396	394	407	405	380	403	418	@	@	@	394	19
20	381	381	383	377	407	397	402	402	408	382	407	414	@	@	@	395	20
21	403	387	371	396	409	408	405	406	401	402	409	414	@	@	@	399	21
22	384	391	390	391	404	401	409	403	402	389	410	415	@	@	@	399	22
23	383	396	383	388	414	415	414	409	406	391	410	416	@	@	@	403	23

@ Gas plant out of order.

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, 1943.

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	0.72	0.65	0.66	0.69	0.68	0.63	0.62	0.61	0.62	0.63	0.63	0.64	0.63	0.63	0.71	0.68	Midnight
1h	0.70	0.65	0.66	0.69	0.69	0.62	0.62	0.61	0.62	0.63	0.63	0.62	0.63	0.62	0.69	0.68	1h
2	0.68	0.65	0.66	0.68	0.70	0.63	0.62	0.62	0.62	0.63	0.63	0.62	0.63	0.62	0.68	0.66	2
3	0.67	0.65	0.65	0.68	0.66	0.65	0.62	0.63	0.63	0.65	0.63	0.62	0.63	0.62	0.67	0.67	3
4	0.67	0.66	0.64	0.67	0.67	0.65	0.62	0.63	0.63	0.66	0.63	0.62	0.63	0.62	0.67	0.67	4
5	0.67	0.66	0.66	0.67	0.68	0.66	0.63	0.63	0.64	0.64	0.64	0.63	0.64	0.63	0.68	0.67	5
6	0.69	0.66	0.67	0.67	0.67	0.67	0.65	0.64	0.65	0.65	0.65	0.64	0.65	0.63	0.69	0.67	6
7	0.74	0.66	0.63	0.70	0.67	0.68	0.65	0.66	0.67	0.68	0.67	0.69	0.67	0.66	0.72	0.68	7
8	0.76	0.67	0.61	0.72	0.67	0.69	0.64	0.64	0.65	0.72	0.70	0.74	0.70	0.69	0.76	0.69	8
9	0.72	0.64	0.61	0.73	0.72	0.70	0.65	0.58	0.50	0.72	0.71	0.74	0.76	0.73	0.77	0.69	9
10	0.68	0.63	0.60	0.73	0.72	0.68	0.62	0.52	0.53	0.69	0.63	0.66	0.68	0.73	0.75	0.62	10
11	0.57	0.57	0.60	0.72	0.65	0.63	0.58	0.47	0.48	0.64	0.57	0.55	0.56	0.70	0.68	0.54	11
Noon	0.41	0.46	0.57	0.63	0.58	0.60	0.53	0.41	0.42	0.56	0.51	0.50	0.48	0.57	0.62	0.46	Noon
13h	0.33	0.38	0.57	0.60	0.51	0.58	0.47	0.37	0.43	0.47	0.53	0.48	0.48	0.50	0.56	0.36	13h
14	0.34	0.43	0.56	0.58	0.45	0.54	0.47	0.38	0.43	0.43	0.54	0.43	0.53	0.48	0.54	0.44	14
15	0.40	0.52	0.54	0.60	0.45	0.54	0.46	0.40	0.46	0.48	0.61	0.47	0.59	0.53	0.56	0.53	15
16	0.47	0.55	0.56	0.63	0.45	0.53	0.50	0.43	0.48	0.55	0.63	0.56	0.61	0.60	0.62	0.50	16
17	0.56	0.61	0.56	0.64	0.53	0.57	0.53	0.48	0.53	0.62	0.63	0.60	0.60	0.66	0.64	0.62	17
18	0.54	0.60	0.63	0.65	0.58	0.58	0.57	0.53	0.58	0.64	0.62	0.62	0.59	0.68	0.63	0.70	18
19	0.55	0.60	0.66	0.66	0.63	0.59	0.60	0.57	0.60	0.66	0.62	0.62	0.60	0.71	0.64	0.70	19
20	0.56	0.65	0.70	0.68	0.64	0.60	0.60	0.58	0.63	0.68	0.63	0.62	0.60	0.76	0.66	0.77	20
21	0.63	0.68	0.62	0.70	0.61	0.62	0.60	0.58	0.63	0.68	0.64	0.63	0.62	0.73	0.64	0.77	21
22	0.70	0.67	0.67	0.70	0.62	0.62	0.60	0.62	0.64	0.67	0.66	0.63	0.63	0.72	0.67	0.79	22
23	0.64	0.67	0.73	0.69	0.63	0.62	0.60	0.62	0.63	0.67	0.66	0.64	0.65	0.72	0.67	0.76	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean of 28 days	Day / Hour
	29000 + (C.G.S. Unit)																
Midnight	0.76	0.75	0.67	0.75	0.70	0.66	0.67	0.67	0.65	0.66	0.70	0.67	0.62	@	@	10.67	Midnight
1h	0.74	0.74	0.67	0.72	0.71	0.70	0.66	0.68	0.66	0.64	0.67	0.67	0.62	@	@	10.67	1h
2	0.72	0.72	0.68	0.70	0.71	0.70	0.67	0.68	0.66	0.65	0.68	0.67	0.62	@	@	10.66	2
3	0.71	0.70	0.67	0.71	0.70	0.67	0.66	0.68	0.66	0.66	0.69	0.66	0.62	@	@	10.66	3
4	0.72	0.69	0.67	0.71	0.65	0.70	0.65	0.68	0.66	0.66	0.70	0.66	0.62	@	@	10.66	4
5	0.70	0.70	0.67	0.69	0.68	0.68	0.67	0.68	0.67	0.67	0.71	0.66	0.64	@	@	10.66	5
6	0.69	0.70	0.67	0.67	0.68	0.67	0.67	0.69	0.70	0.68	0.74	0.68	0.66	@	@	10.67	6
7	0.71	0.67	0.65	0.64	0.70	0.65	0.63	0.68	0.74	0.72	0.75	0.69	0.71	@	@	10.68	7
8	0.77	0.67	0.68	0.66	0.72	0.59	0.60	0.67	0.68	0.70	0.73	0.66	0.69	@	@	10.69	8
9	0.84	0.73	0.71	0.72	0.75	0.60	0.63	0.68	0.63	0.67	0.70	0.66	0.66	@	@	10.69	9
10	0.82	0.80	0.72	0.70	0.73	0.57	0.67	0.72	0.60	0.58	0.63	0.67	0.56	@	@	10.67	10
11	0.78	0.76	0.68	0.68	0.72	0.53	0.63	0.72	0.60	0.50	0.57	0.59	0.48	@	@	10.62	11
Noon	0.74	0.66	0.67	0.68	0.67	0.52	0.62	0.67	0.56	0.47	0.53	0.49	0.41	@	@	10.56	Noon
13h	0.67	0.60	0.63	0.60	0.52	0.54	0.66	0.67	0.57	0.47	0.55	0.38	0.41	@	@	10.52	13h
14	0.67	0.55	0.56	0.52	0.42	0.60	0.70	0.64	0.60	0.47	0.56	0.40	0.43	@	@	10.51	14
15	0.67	0.50	0.56	0.50	0.36	0.60	0.68	0.63	0.67	0.50	0.61	0.46	0.46	@	@	10.53	15
16	0.70	0.55	0.56	0.50	0.47	0.57	0.64	0.60	0.68	0.60	0.63	0.53	0.48	@	@	10.56	16
17	0.74	0.58	0.60	0.58	0.58	0.58	0.67	0.61	0.67	0.67	0.63	0.58	0.52	@	@	10.60	17
18	0.75	0.60	0.62	0.66	0.62	0.63	0.67	0.63	0.67	0.70	0.63	0.59	0.53	@	@	10.63	18
19	0.74	0.64	0.64	0.72	0.63	0.65	0.67	0.65	0.65	0.60	0.63	0.59	0.57	@	@	10.64	19
20	0.73	0.64	0.66	0.71	0.63	0.66	0.67	0.65	0.65	0.69	0.66	0.60	0.60	@	@	10.65	20
21	0.71	0.66	0.74	0.74	0.63	0.64	0.66	0.66	0.66	0.67	0.66	0.61	@	@	@	10.66	21
22	0.73	0.68	0.74	0.72	0.67	0.66	0.67	0.66	0.67	0.70	0.67	0.62	@	@	@	10.67	22
23	0.75	0.70	0.74	0.73	0.68	0.68	0.68	0.66	0.67	0.70	0.68	0.62	@	@	@	10.67	23

@ Gas plant out of order.

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION VACOAS (424.5 metres above mean sea level) during the Month of DECEMBER, 1943.

Month and day 1943.	Observations at 10 a.m.									Temperature of the Air.							Rainfall		Duration of Bright Sunshine	Percentage of Possible Sunshine
	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 recorded by the Casella Pluviograph	Duration		
DEC.	mbs.	°C	°C	°C	%	mbs.	o	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	968.4	23.9	4.2	17.0	65	19.4	90	2.7	6	18.5	23.0	26.0	21.0	27.3	17.9	9.4	0.0	0	11.5	86
2	968.5	23.5	4.5	16.1	63	18.3	95	2.2	8	17.4	22.7	25.0	20.3	27.0	15.9	11.1	0.0	0	7.7	58
3	968.3	25.1	5.9	15.4	55	17.5	95	2.2	2	20.2	24.3	24.1	20.5	27.0	18.5	8.5	0.2	5	10.2	77
4	969.4	25.0	5.3	16.5	59	18.8	90	4.9	2	19.6	23.9	24.9	21.9	27.9	19.0	8.9	0.0	0	8.4	63
5	970.1	25.0	5.4	16.3	58	18.5	100	2.7	5	21.6	24.0	25.5	22.3	28.0	18.7	9.3	0.0	0	9.7	73
6	970.6	23.9	4.0	17.4	67	19.9	110	2.7	6	20.3	22.9	24.7	22.0	27.2	19.1	8.1	0.8	20	10.1	76
7	970.3	24.8	6.0	14.7	53	16.7	85	0.9	7	20.2	23.8	24.2	19.5	25.9	17.8	8.1	0.0	0	4.9	37
8	970.1	23.9	4.8	15.9	61	18.1	85	2.7	7	17.8	22.9	27.0	20.3	28.1	16.5	11.6	0.0	0	8.7	65
9	970.4	24.7	5.6	15.4	56	17.5	60	1.3	5	17.4	24.0	26.9	21.2	28.5	14.8	13.7	0.0	0	9.6	72
10	970.0	24.7	4.0	18.3	56	21.0	70	0.9	7	19.0	23.5	24.2	18.4	26.5	18.0	8.5	11.4	95	3.2	24
11	968.4	24.2	4.5	17.0	64	19.4	Calm		6	18.0	23.2	24.9	20.0	26.5	16.5	10.0	0.0	0	8.5	64
12	967.5	25.5	4.2	18.9	67	21.8	340	2.7	7	18.5	24.2	26.1	20.1	27.5	16.6	10.9	0.1	5	9.1	68
13	967.3	25.1	4.2	18.7	68	21.6	300	0.5	7	17.8	24.1	23.7	21.4	27.8	16.5	11.3	9.8	65	5.8	44
14	967.3	24.5	3.6	18.8	70	21.7		Calm	9	19.3	23.4	20.5	19.5	26.3	17.0	9.3	11.5	75	3.6	27
15	967.2	24.7	3.8	18.7	70	21.6	20	0.9	9	19.4	24.1	25.2	22.1	27.0	18.8	8.2	4.2	40	5.2	39
16	967.0	23.9	2.5	20.0	79	23.4	325	4.9	9	20.4	23.0	25.4	22.4	27.2	20.3	6.9	13.1	75	8.3	62
17	967.3	25.2	3.0	20.6	75	24.2	340	3.6	9	21.3	24.3	23.1	22.5	27.1	21.2	5.9	3.8	15	9.0	68
18	968.9	25.9	4.5	18.8	65	21.7	340	0.9	7	20.6	24.8	26.5	22.3	28.4	19.2	9.2	0.0	0	7.6	57
19	969.6	26.4	4.9	18.7	63	21.6		Calm	4	21.0	25.3	26.8	21.2	29.9	19.0	10.9	0.1	0	8.1	61
20	969.3	26.5	4.1	20.2	68	23.7	80	0.9	8	20.8	25.5	21.7	21.9	28.3	19.8	8.5	8.3	40	6.4	48
21	968.7	26.4	3.6	21.0	72	24.9	70	1.8	7	21.8	25.0	25.5	21.8	27.6	20.5	7.1	0.2	5	6.3	47
22	969.1	26.1	4.2	19.7	68	23.0	90	2.2	8	20.7	25.4	24.9	20.9	28.0	20.5	7.5	0.0	0	8.1	61
23	967.3	25.0	4.2	18.4	67	21.2	35	1.8	7	20.4	24.2	23.4	21.5	28.0	19.7	8.3	21.8	165	5.2	39
24	966.8	25.7	4.0	19.5	69	22.7	70	1.8	7	21.5	24.6	23.9	20.8	27.5	19.5	8.0	5.3	35	6.1	46
25	966.1	26.0	4.1	19.7	69	23.0		Calm	8	20.6	25.0	23.7	22.2	27.5	17.9	9.6	11.0	110	4.9	37
26	964.1	26.0	3.8	20.2	70	23.7	45	2.7	7	22.0	25.1	23.3	22.9	26.9	19.5	7.4	4.7	55	5.5	41
27	965.0	21.9	0.7	20.8	91	24.6	55	2.7	10	21.3	21.2	22.1	22.0	25.7	19.6	6.1	58.8	295	0.2	2
28	965.9	21.7	0.4	21.1	92	25.0	55	4.0	10	22.1	21.5	22.9	22.0	24.1	21.1	3.0	90.0	575	0.0	0
29	965.5	23.5	0.6	22.6	94	27.4	340	4.9	10	22.1	23.1	23.7	23.0	25.3	21.1	4.2	8.9	75	0.4	3
30	964.5	24.7	2.0	21.7	84	26.0	315	2.7	9	23.0	24.0	27.0	22.1	28.4	22.0	6.4	2.8	10	6.8	51
31	964.8	24.7	1.7	22.2	86	26.8	315	2.7	9	21.2	24.1	24.4	23.0	26.5	20.8	5.7	13.8	60	2.3	17
Mean	967.9	24.8	3.8	18.8	692	21.7	...	2.1	7.1	20.2	23.9	24.6	21.4	27.2	18.8	8.4	280.6	1820	6.82	48.8
Average	966.0	24.4	3.1	19.7	752	23.0	...	3.4	6.8	...	...	...	...	26.4	19.1	7.3	227.8	...	6.64	50.0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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

Atmospheric Pressure	+ 41.1 mbs.	Amount of Rain	- 86.4
Temperature of the Air	+ 3.4°C	Duration of Sunshine	+ 60.2 hrs.
Vapour Pressure	+ 2.0 mbs.	Mean of Maximum Temperatures	+ 3.3°C
Relative Humidity	- 7.3%	Mean of Minimum Temperatures	+ 2.0°C
Velocity of Wind	+ 1.5m.p.s.	Absolute Maximum Temperature	+ 2.7°C
Amount of Cloud	- 0.8	Absolute Minimum Temperature	- 1.9°C

Greatest Rainfall Intensity 26.0 mms. in 20 mins.

TABLE VII...DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of DECEMBER, 1943.

Month and Day 1943	Atmospheric Pressure		Temperature of the Air					Excess of air temp. over Evapo. Pot. Air Temp.	Temperature of the Dew Point		Relative Humidity		Vapour Pressure	Minimum on the Grass	Rainfall		Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
	Mean	Excess above Average	Daily Maximum	Daily Minimum	Daily Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Dines Pluviograph	Duration		
DEC.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs.	°C	mms.	min.	mms.	
1	1008.8	+ 0.4	29.4	19.2	10.2	23.6	- 1.1	4.2	16.8	2.8	66	- 7	19.1	14.4	0.0	...	7.8	1.8
2	1009.0	+ 0.7	29.9	16.7	13.2	23.6	- 1.2	4.4	16.5	- 3.2	65	- 8	18.8	12.8	0.0	...	9.4	2.6
3	1009.5	+ 1.3	29.3	20.2	9.1	24.5	- 0.3	3.9	18.3	- 1.4	68	- 5	21.0	16.0	0.0	...	9.5	2.7
4	1010.6	+ 2.5	30.1	21.5	8.6	25.1	+ 0.2	4.7	17.6	- 1.2	63	-10	20.1	18.0	0.0	...	9.3	1.5
5	1011.4	+ 3.3	30.3	20.7	9.6	24.8	- 0.1	4.4	17.9	- 1.9	65	- 9	20.5	16.2	0.5	15	8.5	2.4
6	1011.8	+ 3.8	29.4	20.8	8.6	25.0	0.0	4.0	18.8	- 1.1	68	- 6	21.7	17.0	0.1	5	8.1	4.2
7	1011.7	+ 3.8	29.2	19.7	9.5	24.2	- 0.8	4.4	17.1	- 3.0	65	- 9	19.5	15.1	0.0	...	8.9	4.0
8	1010.9	+ 3.1	30.2	20.4	9.8	24.3	- 0.8	4.4	17.2	- 3.0	64	-10	19.6	14.9	0.0	...	8.0	3.8
9	1011.1	+ 3.4	31.2	17.7	13.5	24.6	- 0.5	4.6	17.3	- 2.9	64	-10	19.8	13.4	0.0	...	9.2	2.3
10	1010.4	+ 2.8	29.2	20.4	8.8	23.6	- 1.6	2.4	19.9	- 0.4	80	+ 6	23.2	16.0	8.1	30	8.3	5.9
11	1008.6	+ 1.1	30.2	17.6	12.6	23.9	- 1.3	3.0	19.3	- 1.0	75	+ 1	22.4	14.5	0.0	...	3.6	3.2
12	1008.0	+ 0.6	31.1	18.6	12.5	24.8	- 0.4	3.5	19.4	- 0.9	72	- 3	22.5	15.5	0.0	...	8.0	4.9
13	1007.8	+ 0.4	31.4	19.4	12.0	24.6	- 0.6	3.3	19.5	- 0.8	73	- 2	22.7	15.5	4.2	30	8.0	5.9
14	1008.0	+ 0.6	32.0	19.3	12.7	24.9	- 0.4	3.2	20.0	- 0.4	74	- 1	23.4	17.0	0.0	...	6.3	8.8
15	1007.6	+ 0.3	31.5	20.8	10.7	25.9	+ 0.6	3.8	20.1	- 0.3	70	- 5	23.5	17.0	0.6	10	7.1	6.7
16	1007.4	+ 0.1	32.5	22.5	10.0	27.1	+ 1.8	3.5	21.9	+ 1.3	73	- 2	26.3	18.8	0.0	...	7.4	6.8
17	1008.4	+ 1.2	31.6	22.8	8.8	27.0	+ 1.6	3.1	22.5	+ 1.8	76	+ 1	27.3	21.0	1.5	10	7.1	7.2
18	1009.8	+ 2.6	32.5	21.7	10.8	26.6	+ 1.2	3.8	20.9	+ 0.2	71	- 4	24.7	16.1	0.0	...	8.0	5.6
19	1010.4	+ 3.3	32.6	21.0	11.6	25.9	+ 0.5	4.0	19.8	- 0.9	69	- 6	23.1	16.7	0.0	...	8.5	4.3
20	1009.8	+ 2.7	32.1	22.0	10.1	25.7	+ 0.3	2.8	21.5	+ 0.8	78	+ 2	25.6	17.4	6.0	15	8.6	4.7
21	1009.0	+ 1.9	30.5	22.0	8.5	25.5	0.0	3.0	20.9	+ 0.1	76	0	24.7	18.8	0.0	...	6.6	3.5
22	1008.1	+ 1.1	30.4	21.8	8.6	25.6	+ 0.1	3.5	20.3	- 0.5	72	- 4	23.8	17.5	0.0	...	6.0	4.4
23	1007.4	+ 0.4	31.4	21.6	9.8	25.3	- 0.2	3.5	19.9	- 0.9	72	- 4	23.2	17.4	2.3	15	7.3	5.0
24	1006.9	0.0	31.7	21.8	9.9	25.8	+ 0.2	3.9	19.9	- 1.0	70	- 6	23.2	18.2	0.0	...	7.7	4.3
25	1005.8	- 1.1	28.9	20.8	8.1	23.9	- 1.7	2.1	20.7	- 0.4	82	+ 6	24.4	16.9	9.3	25	6.4	5.8
26	1004.4	- 2.5	30.3	20.5	9.8	24.7	- 0.9	2.4	21.1	0.0	80	+ 4	25.0	17.3	13.3	140	2.5	7.1
27	1004.4	- 2.4	28.8	20.9	7.9	24.5	- 1.1	1.1	22.9	+ 1.8	91	+15	27.9	19.0	51.8	330	2.6	9.5
28	1006.0	- 0.8	26.7	23.0	3.7	24.2	- 1.4	0.7	23.2	+ 2.1	94	+18	28.4	21.2	60.6	330	2.0	9.7
29	1005.8	- 0.9	29.3	23.8	5.5	25.9	+ 0.2	1.0	24.5	+ 3.3	92	+16	30.8	21.5	35.9	130	4.2	7.7
30	1004.8	- 1.8	30.2	22.6	7.6	26.5	+ 0.8	2.3	23.1	+ 1.9	82	+ 6	28.3	20.2	0.0	...	5.8	5.9
31	1005.0	- 1.6	30.3	22.9	7.4	26.0	+ 0.3	2.0	23.1	+ 1.9	84	+ 8	28.3	20.6	0.0	...	6.3	7.1
Mean	1008.3	+ 1.0	30.5	20.8	9.7	25.1	0.2	3.3	20.1	- 0.4	74.0	- 0.9	23.6	17.2	Sum 194.2	Sum 1085	7.0	5.1
Average	1007.3	...	29.7	21.6	8.1	25.3	...	3.2	20.5	...	74.9	...	24.1	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, 1943

The influence of distant southerly lows was felt from the 11th-18th. On the 25th a weak depression formed to the east of Agalega. It moved south-west and south, passed to the west of Reunion on the 29th and moved away south-east. Mean pressure was 1.0 mb., above normal. It was above or normal from the 1st-24th, then below for the rest of the month. Temperature was 0.2°C below normal.

Rainfall was 167% of the average after having been well below normal for the previous four months. The dry spell lasted for 96 days, September 20th to December 24th. During this period there was no rain on 51 days, 1mm. or less on 26 days and the total for 77 days out of

TABLE VII (Ctd.)...DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the Month of DECEMBER, 1943.

Month and day 1943.	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
DEC.	hrs.	%	m.p.s	m.p.s.	°C	°C	°C	°C	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
1	12.0	91	2.7	- 0.6	23.6	24.0	26.3	26.7	b bc : b .
2	11.2	85	3.0	- 0.3	23.6	24.0	26.4	26.9	b : bc : c : bc : b .
3	11.6	88	3.4	+ 0.1	23.6	24.0	26.5	27.3	b : bc : b .
4	11.1	84	3.8	+ 0.5	23.6	24.1	26.7	27.5	b .
5	10.2	77	2.7	- 0.6	23.6	24.1	26.9	27.6	bcr$_o$: b : bc : b .
6	10.3	78	3.3	0.0	23.6	24.1	27.0	27.6	bcr$_o$ bc .
7	9.3	70	2.8	0.5	23.7	24.1	27.1	27.9	b : bc : b .
8	10.1	77	2.3	1.0	23.6	24.1	27.3	27.8	bc : Cr$_o$: c : bc : b .
9	12.1	91	2.5	0.8	23.6	24.2	27.3	28.1	b : bc .
10	5.9	44	2.3	1.1	23.6	24.2	27.7	28.3	bc : c : Crr : 0 : c : bc .
11	10.6	80	2.4	- 1.0	23.6	24.2	27.6	27.8	b$_o$: b : bc : c : bc .
12	12.3	92	2.5	- 0.9	23.7	24.4	27.4	27.8	bc .
13	9.4	71	2.1	- 1.3	23.7	24.6	27.4	27.8	b : bc : c : Crr : c : bc .
14	7.9	59	2.0	- 1.4	23.7	24.7	27.4	27.7	c : 0 : c : 0 .
15	7.2	54	2.4	- 1.0	23.7	24.6	27.5	27.9	bc : c : bc : c : 0 : 0rrl .
16	8.6	65	3.4	0.0	23.7	24.6	27.5	27.7	c : bc : c : 0l : c .
17	10.0	75	2.8	- 0.6	23.7	24.7	27.5	27.9	0R : 0r$_o$: c : bc .
18	11.5	86	2.2	- 1.2	23.7	24.6	27.6	28.0	bc : c : bc : b .
19	10.0	75	2.2	- 1.2	23.7	24.9	27.7	28.2	b : bc : c : bc : b .
20	6.2	47	2.2	- 1.2	23.7	24.7	27.8	28.4	b : bcr$_o$: bc : c : 0r$_o$r$_o$: c : bc .
21	6.7	50	2.3	- 1.1	23.7	24.9	27.9	28.3	b : bc : c : bc : b .
22	9.8	74	2.7	- 0.7	23.7	24.7	28.0	28.2	b : bc : c : bc : c : bc .
23	7.6	57	2.6	- 0.8	23.7	24.5	27.9	28.2	b : bc : c : 0 : 0r$_o$: c .
24	9.3	70	2.1	- 1.3	23.8	24.7	28.0	28.1	Cr$_o$r$_o$: bc : c : bc : b .
25	3.4	26	1.9	- 1.5	23.7	24.7	28.0	28.1	b$_o$: bc : Crr : c : Clr$_o$: c : bc .
26	6.5	49	2.4	- 1.0	23.8	25.0	28.0	27.3	bc : c : Cr$_o$: 0 : 0lrr : 0tsm .
27	1.1	8	3.7	+ 0.3	23.8	25.0	27.8	27.0	0rol : 0rr : 0r$_o$r$_o$: 0rr : 0 : 0r$_o$r$_o$l : c .
28	0.1	1	4.0	+ 0.7	23.8	25.0	27.7	26.7	0 : c : 0rr : c : 0 : 0rr : 0 .
29	5.8	44	3.7	+ 0.4	23.8	25.1	27.4	26.3	0RRt : 0r$_o$r$_o$: c : 0 : 0rr : c : bc .
30	8.5	64	2.3	- 1.0	23.8	25.1	27.3	26.9	bc : c : bc : b .
31	5.4	41	2.1	- 1.2	23.8	25.1	27.4	27.5	bc : c : bc .
Mean	8.44	63.6	2.67	- 0.69	23.69	24.54	27.42	27.66	
Aver.	8.35	62.6	3.36	...	24.58	25.55	27.13	27.94	
Column	19	20	21	22	23	24	25	26	27

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF DECEMBER, 1943.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1013.0mbs.	at 22 & 23 hrs.	on 5th.	1002.9mbs.	at 04.00 hrs. on	27th.
Temperature of the Air	32.6°C	at 12.00 hrs.	on 19th.	16.7°C	at ,.. on	2nd.
Daily Range of Temperature of the Air ...	13.5°C		on 9th.	3.7°C	on	28th.
Temperature of the Dew Point ...	26.0°C	at 14.00 hrs.	on 29th.	11.8°C	at 12.00 hrs. on	2nd.
Minimum on grass				12.8°C	on	2nd.
Relative Humidity	99.3%	at 20.00 hrs.	on 28th.	34.2%	at 12.00 hrs. on	2nd.
Vapour Pressure	33.6mbs.	at 14.00 hrs.	on 29th.	13.8mbs.	at 12.00 hrs. on	2nd.
Evaporation in 24 hours	9.5mms.		on 3rd.	2.0mms.	on	28th.
Wind Velocity	6.3m.p.s.	at 12.00hrs.	on 27th.	0.6m.p.s.		often.
Rainfall in 24 hours	84.6mms.	ending 02.00hrs.	on 29th.			
Duration of Sunshine	12.3hrs.		on 12th.	0.1 hr.	on	28th.

Mean Day Temperature of Air 27.60°C. Mean Night Temperature of Air 22.55°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 & over mms.	Lightning	Thunderstorms
...	8	14	8	1	3	3	3	1	3	4	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, 1943.

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	099	094	100	107	117	126	124	122	121	118	100	090	085	088	080	082	Midnight
1h	092	090	097	103	113	121	120	118	113	117	092	080	080	080	076	072	1h
2	091	089	096	101	110	120	111	109	111	112	090	075	070	078	071	070	2
3	089	088	098	101	111	119	106	101	110	110	083	073	068	074	070	066	3
4	087	090	099	100	111	116	107	101	110	105	081	074	070	071	070	066	4
5	090	094	100	101	117	117	112	106	112	108	082	078	071	076	072	071	5
6	094	101	102	108	120	120	120	113	119	110	090	081	076	080	080	079	6
7	098	103	103	111	121	126	125	119	121	116	092	086	080	082	082	081	7
8	099	101	102	112	122	128	127	120	122	111	094	090	081	089	083	081	8
9	097	102	100	114	122	125	129	119	121	110	095	089	082	090	082	082	9
10	091	100	101	114	120	123	127	116	119	108	093	086	081	089	081	081	10
11	089	093	099	111	115	122	122	110	111	100	090	081	081	084	080	073	11
Noon	083	090	093	106	110	120	117	103	107	096	089	080	080	079	078	071	Noon
13h	080	081	089	101	105	113	112	100	099	093	083	079	077	075	073	068	13h
14	077	074	081	096	100	109	109	093	094	092	077	072	070	072	069	065	14
15	072	071	076	091	099	102	103	090	091	091	071	070	067	070	062	058	15
16	072	070	077	091	094	101	101	090	091	092	071	070	067	071	061	058	16
17	078	071	080	094	098	103	106	095	096	093	075	070	073	073	065	064	17
18	080	079	089	100	104	111	110	101	102	096	080	073	080	077	070	067	18
19	083	083	093	106	115	119	114	111	110	099	081	079	082	083	078	072	19
20	090	091	099	110	123	121	120	119	118	101	086	081	087	090	080	078	20
21	092	095	101	113	127	123	123	121	122	103	091	090	088	090	083	084	21
22	096	098	104	118	130	128	128	124	126	109	096	092	090	088	086	086	22
23	097	100	108	119	130	128	127	123	122	106	093	090	090	081	084	088	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
Midnight	083	097	103	097	098	091	083	081	064	065	045	056	060	060	053	090	Midnight
1h	079	094	097	094	094	088	079	073	060	059	041	055	056	056	046	085	1h
2	071	090	092	091	091	085	073	069	055	052	038	054	051	052	043	081	2
3	069	087	091	090	088	082	068	066	053	045	033	053	050	049	037	078	3
4	071	088	098	092	088	082	068	065	052	040	029	056	050	043	034	078	4
5	079	094	109	101	090	084	072	071	056	042	032	057	051	045	038	082	5
6	088	101	112	105	096	087	076	076	062	044	037	062	056	050	042	087	6
7	091	103	117	108	099	089	080	077	065	046	043	065	060	050	053	090	7
8	092	107	118	110	101	091	081	078	068	048	048	070	063	050	057	092	8
9	092	108	119	110	102	091	081	077	067	049	050	072	064	051	058	092	9
10	091	108	117	108	100	090	078	072	065	049	050	071	064	052	055	090	10
11	082	103	112	102	094	088	076	069	062	045	049	070	064	051	053	086	11
Noon	081	098	107	093	086	086	070	066	058	040	048	066	060	047	052	083	Noon
13h	080	094	102	091	084	078	066	058	057	038	044	061	059	047	050	079	13h
14	079	090	096	090	082	070	061	056	054	036	041	051	053	041	047	074	14
15	078	087	090	090	080	065	056	054	045	035	038	050	050	040	042	070	15
16	077	088	089	090	078	065	057	056	040	033	038	049	050	035	040	070	16
17	079	092	093	091	078	066	065	060	043	034	039	053	053	039	044	073	17
18	081	098	099	092	083	068	071	066	050	038	042	057	058	040	052	078	18
19	085	102	102	097	086	070	076	070	054	042	047	060	060	046	056	083	19
20	093	107	105	098	091	076	080	073	058	045	054	061	060	051	060	087	20
21	098	109	107	099	093	081	084	077	062	046	057	065	064	052	061	090	21
22	101	109	109	100	093	083	088	077	065	047	058	067	068	055	061	093	22
23	100	106	108	099	093	085	087	072	067	047	058	063	067	057	059	092	23

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

DECEMBER, 1943.

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	1	0	2	0	2	0	2	5	0	5	0	4	2	7	3	9	6	6	2	1	1	0	1	4	0	3	10	10	10	3	5	3.4
1h	1	0	2	0	2	0	2	6	0	4	0	5	2	8	3	7	6	6	2	1	1	1	1	4	0	2	10	10	10	3	5	3.4
2	1	0	2	2	2	4	2	6	0	7	0	5	4	9	5	4	9	7	3	1	1	2	1	3	0	2	10	10	10	3	5	3.9
3	1	0	2	2	3	2	2	7	0	7	1	6	4	10	5	3	9	7	3	1	1	2	2	3	0	2	9	10	10	3	5	3.9
4	1	0	3	1	1	5	1	4	0	2	1	8	4	10	6	4	9	6	4	3	1	3	1	2	0	2	2	8	10	3	2	3.5
5	1	3	1	2	2	4	6	5	0	2	1	6	6	10	8	4	9	7	6	5	3	3	1	4	6	2	10	8	9	5	8	4.7
6	1	5	1	3	2	3	5	5	0	3	1	4	5	9	7	4	9	8	6	6	4	4	1	8	4	6	10	9	9	4	6	4.9
7	1	7	1	2	2	3	4	6	0	3	1	3	5	9	7	9	8	7	6	7	6	5	3	6	6	4	10	9	9	5	7	5.2
8	6	6	1	1	3	4	3	7	2	4	4	4	5	9	6	8	8	7	7	7	8	6	6	6	8	7	10	9	8	6	8	5.9
9	5	5	1	0	3	5	6	9	3	9	6	6	5	9	6	8	8	7	7	7	7	7	7	5	9	8	10	10	8	7	9	6.5
10	3	5	1	0	3	5	8	5	3	8	8	6	7	8	7	8	7	6	6	7	5	5	7	6	9	8	10	10	8	8	9	6.3
11	2	4	3	0	3	4	5	2	3	7	5	6	8	8	7	8	7	5	6	6	3	5	7	5	9	7	9	10	8	8	8	5.7
Noon	2	2	5	0	3	4	6	2	3	6	6	6	7	8	8	8	8	5	4	5	3	5	7	6	9	9	8	10	9	8	8	5.8
13h	1	4	5	1	4	4	6	2	3	7	6	6	8	8	8	8	8	5	5	6	6	6	7	5	9	10	9	10	8	9	9	6.2
14	2	3	6	2	3	5	6	2	3	8	5	6	8	9	9	8	7	5	6	8	7	7	8	5	9	10	10	10	8	8	9	6.5
15	2	2	7	3	5	5	7	3	4	10	7	6	7	9	9	9	7	5	6	8	8	7	8	4	9	10	10	10	8	7	9	6.8
16	1	3	3	2	5	4	6	5	3	10	6	4	7	9	9	9	8	5	6	8	7	7	8	6	9	9	10	10	7	9	9	6.6
17	2	1	3	2	3	8	5	5	3	10	6	4	9	9	9	9	8	5	6	9	6	7	8	6	9	9	10	10	7	9	10	6.7
18	4	1	3	3	3	5	4	4	3	9	4	4	9	9	9	9	8	7	5	8	6	8	8	6	10	9	10	10	9	8	10	6.6
19	3	1	5	2	2	6	2	2	3	9	3	4	7	9	8	9	5	8	2	6	1	6	7	4	8	10	10	10	8	9	9	5.7
20	2	1	5	2	1	8	2	2	5	6	1	3	1	10	3	9	4	3	2	1	1	2	6	2	6	10	10	10	3	7	7	4.4
21	1	3	3	2	1	4	1	0	3	3	1	4	8	9	1	4	5	3	1	1	0	2	6	2	3	9	10	10	3	3	5	3.6
22	0	3	0	2	0	4	1	0	2	3	1	4	4	9	6	4	5	3	2	1	0	2	4	2	3	9	10	10	5	3	5	3.5
23	0	3	0	2	0	4	1	0	7	2	2	5	8	9	9	4	5	3	1	1	0	2	4	2	3	9	10	10	4	3	5	3.8

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

DECEMBER, 1943.

Hour Ending \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	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	5	0	15	2	4	1	0	1	12	10	20	18	7	0	10	3	3	0	5	0	2	0	2	2	5	2	0	0	0	0	0	2.2
7	60	0	60	60	60	52	6	50	60	60	60	60	60	25	30	45	50	55	40	15	40	35	60	38	60	60	0	0	25	25	25	21.3
8	60	48	60	60	60	60	40	55	60	60	60	45	60	47	50	20	60	40	60	5	45	60	60	60	58	60	0	0	28	56	35	24.5
9	60	60	60	60	60	60	60	12	60	35	60	55	60	35	60	60	60	60	50	25	50	60	60	60	40	60	0	0	48	57	35	25.4
10	60	60	60	60	60	60	60	9	60	47	20	60	60	55	40	60	60	60	60	50	60	60	56	60	42	60	0	10	40	60	25	25.4
11	60	60	60	60	60	60	47	57	60	45	10	60	60	50	35	60	57	60	60	60	60	60	45	60	1	60	20	0	45	27	42	25.0
Noon	60	60	60	60	60	60	60	60	60	50	50	60	60	55	48	60	60	60	60	60	60	60	50	60	0	35	37	0	40	30	41	26.3
13	60	60	60	60	60	60	60	60	60	50	60	60	60	60	54	60	57	60	60	60	20	60	48	60	0	0	7	0	0	22	50	24.1
14	60	60	60	60	60	60	60	60	60	0	50	60	60	58	18	45	58	60	60	55	0	60	45	60	0	10	0	0	35	17	45	22.3
15	60	60	45	60	50	60	60	60	60	0	55	60	50	50	45	0	55	60	60	2	40	26	30	60	0	3	0	3	50	58	24	20.8
16	60	60	13	60	52	50	60	60	60	0	60	60	25	18	40	30	56	60	30	0	10	58	0	35	0	28	0	0	3	60	0	17.4
17	60	60	60	60	22	15	45	50	60	0	60	58	2	10	3	30	10	60	27	39	0	25	0	5	0	11	0	0	30	45	0	14.1
18	55	60	60	2	2	20	0	55	56	0	60	60	0	8	2	45	10	53	25	0	15	27	0	0	0	0	0	1	2	50	0	11.1
19	0	23	22	0	6	0	0	15	0	0	13	20	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5	0	1.8

The Total Amount of Registered Sunshine was 261.7 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, 1943.

Day / Hour	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	19.7	1.0	19.7	2.4	21.4	1.7	22.9	2.7	22.4	1.9	22.9	2.6	22.2	1.6	20.5	2.5	Midnight
1h	19.8	1.0	19.1	2.1	21.0	1.7	22.9	2.8	22.4	1.6	22.5	1.5	21.9	1.6	20.5	2.5	1h
2	19.9	0.8	18.3	1.5	20.7	1.6	22.9	2.8	21.8	1.7	22.0	1.3	21.7	1.7	20.5	2.4	2
3	19.8	0.8	17.5	0.9	20.7	1.7	22.7	2.6	21.8	1.7	21.7	1.5	21.7	1.7	21.4	2.2	3
4	19.7	0.7	17.3	0.7	20.4	1.4	22.5	2.5	21.6	1.8	21.8	1.5	20.6	1.0	21.7	2.1	4
5	19.5	1.2	17.2	0.7	20.7	1.6	21.6	1.8	20.7	1.3	20.9	1.0	20.3	0.9	21.7	2.1	5
6	19.9	0.9	18.4	0.7	21.8	2.1	22.5	2.0	21.5	1.3	22.0	2.0	20.7	0.8	21.6	2.0	6
7	23.0	2.7	22.8	3.3	24.5	3.9	24.8	4.0	24.1	2.6	25.3	3.3	21.9	1.6	24.8	3.9	7
8	25.1	4.8	24.9	4.9	26.0	4.9	26.1	5.3	25.6	4.6	26.8	5.1	26.2	5.8	25.9	5.7	8
9	26.0	5.5	26.6	6.4	27.1	6.4	27.1	6.2	27.0	6.1	27.4	5.7	27.4	7.2	26.2	6.0	9
10	27.1	6.3	27.4	7.6	27.4	6.3	28.0	7.8	27.3	6.3	28.2	6.4	27.3	7.1	27.2	7.1	10
11	27.5	7.4	28.2	9.1	28.4	7.1	29.0	9.0	28.8	7.8	28.4	7.4	27.0	6.6	28.1	7.8	11
Noon	27.9	7.9	29.1	10.1	28.2	7.2	28.9	8.1	29.2	8.7	28.7	7.7	27.7	7.7	29.1	8.2	Noon
13h	28.7	8.7	29.2	9.9	28.1	6.6	29.3	8.4	29.3	9.0	29.0	8.0	28.4	8.4	28.8	7.8	13h
14	29.0	9.8	28.5	8.8	27.9	5.9	28.9	7.8	29.6	9.6	28.8	7.5	28.2	8.1	28.4	7.2	14
15	28.2	8.2	28.4	7.6	27.2	6.0	27.3	6.7	28.0	7.5	28.1	6.1	28.1	8.1	28.2	7.2	15
16	27.6	7.0	27.2	6.5	26.8	5.8	27.1	6.2	27.6	7.1	27.2	6.0	27.9	7.8	27.2	6.0	16
17	26.2	6.1	26.1	5.5	26.0	4.9	26.0	5.5	26.0	5.6	26.1	5.0	26.1	6.0	26.4	5.7	17
18	24.9	5.1	25.1	4.5	25.0	3.9	24.9	4.9	25.3	5.0	25.3	4.3	25.0	5.0	25.3	4.6	18
19	23.8	4.5	23.9	3.3	24.0	2.9	24.0	3.8	24.0	3.8	24.6	3.4	23.8	4.6	24.1	4.0	19
20	22.6	3.5	23.0	2.5	23.9	2.7	23.5	2.8	23.0	2.9	22.9	1.8	22.9	3.6	23.6	3.6	20
21	21.8	3.6	22.9	2.2	23.6	2.6	23.0	2.4	22.6	2.5	22.9	1.8	22.2	3.0	21.9	2.8	21
22	19.9	1.9	22.1	2.0	23.4	2.5	22.9	2.4	22.1	2.1	22.9	1.8	20.8	2.5	20.8	2.1	22
23	19.8	2.4	22.0	1.9	23.0	2.3	22.8	2.3	22.9	2.8	22.8	1.7	20.9	2.3	20.5	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	20.5	2.5	22.5	1.8	20.4	1.0	20.5	1.5	21.8	1.8	21.0	0.9	23.1	1.6	23.1	1.0	Midnight
1h	19.8	2.1	22.5	1.8	19.6	0.6	20.3	1.5	21.3	1.7	20.8	0.9	22.9	1.8	23.4	1.5	1h
2	18.8	1.7	22.8	2.1	18.9	0.5	20.2	1.5	20.7	1.5	20.7	0.9	22.1	1.5	23.6	1.6	2
3	18.7	1.6	21.9	1.9	18.4	0.4	19.7	1.4	20.3	1.4	20.5	1.0	21.8	1.6	23.8	1.8	3
4	18.6	1.6	21.0	1.5	18.2	0.3	19.4	1.2	19.8	1.0	20.4	1.0	21.0	1.2	23.6	1.8	4
5	18.1	1.4	20.6	1.6	18.1	0.3	19.1	0.5	19.5	0.8	19.7	0.3	20.8	1.1	22.7	1.5	5
6	18.8	1.2	20.9	1.1	18.2	0.2	19.1	0.5	19.8	0.8	19.7	0.3	21.8	1.0	22.9	0.7	6
7	23.9	3.3	24.3	2.6	23.1	2.1	23.0	1.3	23.9	2.2	22.8	1.1	25.0	2.9	26.1	2.5	7
8	26.1	5.8	25.8	3.9	25.3	3.4	25.8	3.7	27.0	5.3	24.8	2.2	27.1	4.3	27.2	3.2	8
9	27.9	7.0	26.1	3.8	27.1	5.0	28.8	5.4	27.8	5.7	25.8	3.1	28.3	5.8	28.1	4.0	9
10	28.9	8.2	27.1	5.0	27.2	4.5	28.1	5.4	29.8	6.7	28.1	4.7	29.9	7.5	30.3	5.2	10
11	29.4	8.4	27.6	5.2	28.0	5.7	29.5	6.5	30.3	7.5	30.1	6.4	31.1	7.6	31.5	6.3	11
Noon	30.1	9.1	28.1	5.5	29.5	6.0	30.4	6.7	31.0	7.6	29.5	6.4	30.6	7.1	32.2	7.0	Noon
13h	30.1	9.0	28.2	6.0	30.0	6.3	29.2	5.4	30.2	7.0	30.6	7.2	30.4	6.8	32.5	7.1	13h
14	29.9	9.0	25.2	2.9	28.3	5.0	29.8	6.3	29.6	6.5	31.3	7.5	29.5	6.5	31.0	6.0	14
15	29.6	8.3	22.8	0.7	28.2	4.8	29.3	6.3	29.2	6.2	29.4	6.2	30.4	7.2	29.5	5.2	15
16	28.8	7.3	23.0	1.0	28.1	5.1	28.9	6.0	27.9	5.3	25.9	3.6	28.2	5.4	29.8	5.3	16
17	27.2	5.7	23.6	1.8	27.6	5.0	27.6	5.0	25.2	3.1	26.2	3.9	27.2	4.4	29.3	5.0	17
18	26.2	4.7	23.4	1.7	26.7	4.6	27.0	4.5	23.6	1.5	25.9	3.7	26.1	3.8	28.2	4.3	18
19	24.8	3.3	23.0	1.4	25.1	3.4	25.9	3.8	23.2	1.5	25.1	3.0	25.7	3.1	27.0	3.1	19
20	24.1	2.9	22.8	1.7	23.8	2.8	24.8	3.2	22.8	1.3	25.0	3.3	25.3	2.8	26.3	2.5	20
21	23.4	2.6	21.8	1.2	22.0	1.8	23.4	2.4	22.3	1.2	24.7	3.1	24.9	2.6	26.2	2.4	21
22	22.7	2.0	21.3	1.2	21.8	2.0	22.5	2.1	22.0	1.2	24.3	2.6	24.8	1.7	26.0	2.2	22
23	22.5	1.9	20.6	1.1	20.9	1.7	21.8	1.8	21.4	1.0	24.0	2.3	23.9	1.4	26.0	2.2	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).

DECEMBER, 1943.

Day / Hour	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	24.8	1.0	22.8	1.5	22.0	1.4	22.6	1.7	23.0	0.9	22.6	1.6	22.9	1.8	22.7	1.5	Midnight
1h	24.6	1.0	22.9	1.4	22.1	1.4	22.4	1.5	23.1	1.0	22.6	1.5	22.8	1.8	23.0	1.3	1h
2	24.1	0.9	22.7	1.5	21.9	1.6	22.4	1.5	23.1	1.1	22.4	1.6	22.1	1.3	22.9	1.5	2
3	25.0	1.1	22.3	1.3	21.8	1.6	22.5	1.6	23.0	1.0	22.5	1.5	22.0	1.2	22.8	1.7	3
4	24.9	1.0	22.0	1.2	21.2	1.1	22.0	1.1	22.9	1.1	22.1	1.4	21.8	1.6	22.0	1.9	4
5	24.6	1.0	21.9	1.2	21.0	0.9	22.5	1.4	22.8	1.2	21.9	1.6	21.6	1.4	22.0	1.3	5
6	24.7	1.1	21.9	0.9	21.0	0.9	23.0	0.9	22.0	0.6	22.5	1.4	21.9	1.6	22.8	1.2	6
7	26.0	2.0	25.3	1.9	24.3	2.1	25.3	1.6	25.1	1.8	25.2	2.3	25.2	2.6	25.2	2.4	7
8	27.7	3.5	26.9	3.3	27.1	4.9	27.2	3.5	26.7	2.9	27.1	4.2	27.2	4.3	26.9	4.1	8
9	28.4	4.0	29.3	5.4	28.5	5.9	28.4	5.3	27.7	4.1	27.9	4.9	28.3	5.3	27.5	4.8	9
10	29.5	4.6	30.3	5.8	30.2	6.9	29.0	5.0	28.4	5.1	28.8	5.7	29.5	6.1	28.9	5.7	10
11	29.5	4.6	31.4	6.5	30.5	7.2	30.3	6.4	29.2	5.7	29.5	6.5	28.9	6.4	29.7	6.4	11
Noon	30.4	5.3	31.7	7.1	32.6	9.3	31.0	7.2	30.2	6.9	29.5	6.5	30.2	7.1	30.6	7.5	Noon
13h	31.1	5.9	31.8	7.6	31.8	7.8	31.4	7.5	27.5	4.4	29.9	6.6	30.1	7.9	30.3	7.9	13h
14	31.2	6.0	31.6	7.5	31.3	7.3	29.1	5.1	27.2	4.1	29.2	5.9	28.9	6.8	30.3	7.6	14
15	30.6	5.6	31.5	7.7	30.3	6.3	28.0	3.8	28.0	5.2	28.4	5.5	28.3	6.5	29.9	7.9	15
16	29.4	5.0	30.1	6.3	29.0	5.4	27.6	3.4	27.8	4.8	28.0	5.2	27.2	5.3	28.2	6.2	16
17	28.8	4.7	29.3	5.3	28.1	5.4	26.7	2.5	27.2	3.6	27.2	4.6	26.2	3.4	27.7	5.6	17
18	28.1	4.0	28.3	4.6	26.9	4.7	25.6	1.5	26.7	4.2	26.3	4.2	24.6	2.6	26.9	4.8	18
19	27.0	3.6	27.0	3.8	25.8	3.7	24.8	1.0	25.3	3.2	25.2	3.2	24.0	2.4	25.6	3.5	19
20	26.2	3.1	25.8	2.9	24.8	3.7	24.2	1.2	24.3	2.3	24.3	2.3	24.0	2.8	25.0	3.0	20
21	25.7	2.6	24.7	2.6	23.2	2.2	24.0	1.1	23.8	2.0	23.9	2.1	23.2	1.3	23.9	2.6	21
22	24.2	2.0	23.9	2.3	22.9	2.0	23.7	1.2	23.4	1.8	23.7	2.0	23.0	1.4	22.9	1.9	22
23	23.1	1.4	22.9	2.0	22.4	1.6	23.2	1.1	23.0	1.9	23.1	2.0	22.8	1.5	22.4	1.8	23

Day / Hour	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	22.0	1.8	21.0	0.8	22.6	1.1	23.9	1.0	24.1	0.2	24.7	0.9	24.8	1.0	22.3	1.5	Midnight
1h	21.7	1.7	21.0	0.9	22.0	0.1	24.0	0.9	23.9	0.5	24.6	0.8	24.5	0.9	22.1	1.4	1h
2	21.6	1.6	20.9	0.8	20.9	0.3	23.5	1.0	24.0	0.4	23.9	0.7	24.0	0.7	21.8	1.3	2
3	21.0	1.1	20.8	0.7	21.1	0.4	23.9	0.8	24.1	0.3	23.5	0.6	23.9	0.6	21.7	1.3	3
4	20.9	1.2	20.7	0.8	21.3	0.4	23.1	0.8	24.2	0.2	23.0	0.5	23.9	0.8	21.4	1.2	4
5	20.8	1.3	20.5	0.9	22.3	0.6	23.6	0.7	24.2	0.3	22.7	0.5	23.5	0.5	21.2	1.1	5
6	21.6	1.6	20.8	0.7	22.5	0.6	24.0	0.8	24.5	0.5	22.8	0.5	23.0	0.3	21.6	1.0	6
7	25.1	2.5	23.9	0.9	22.8	0.9	24.6	0.7	25.2	0.5	23.0	0.7	24.9	1.5	24.3	2.1	7
8	27.0	4.0	26.2	2.6	23.1	0.2	24.0	0.8	25.9	0.8	24.7	1.4	27.9	2.7	26.2	3.8	8
9	28.2	5.0	28.1	4.2	24.0	0.6	24.0	0.7	26.3	1.2	27.2	2.4	28.2	3.1	27.3	4.7	9
10	27.9	4.2	29.0	5.0	24.8	0.1	24.2	0.5	27.1	1.4	28.7	3.4	28.6	2.8	28.2	5.3	10
11	25.5	2.2	30.3	6.3	27.0	1.7	25.0	0.9	27.7	1.6	29.7	3.9	29.0	3.5	28.9	6.0	11
Noon	25.2	1.5	29.3	5.4	28.3	3.1	25.9	1.4	28.9	2.8	29.9	4.1	29.8	3.9	29.5	6.5	Noon
13h	26.9	3.9	27.0	2.9	27.2	2.1	25.9	1.3	26.1	0.5	29.8	4.3	29.8	4.0	29.3	6.3	13h
14	27.8	4.9	25.1	2.1	27.1	2.4	26.2	1.4	28.0	1.4	30.0	4.5	29.7	3.7	28.9	6.0	14
15	25.0	2.5	25.7	2.7	27.1	2.8	26.1	1.5	28.3	1.8	29.9	4.6	29.2	3.8	28.3	5.5	15
16	23.2	0.3	27.2	4.1	25.9	1.4	25.6	1.0	28.1	2.1	29.9	4.6	28.5	3.4	27.6	4.9	16
17	23.9	1.2	27.0	4.0	27.2	2.6	24.1	1.0	27.9	2.2	29.3	4.2	26.9	2.7	25.8	4.2	17
18	24.0	1.7	26.5	3.6	25.7	1.5	23.2	0.2	27.0	1.7	28.6	3.7	24.9	1.8	25.9	3.6	18
19	23.6	1.3	25.7	2.7	25.2	1.0	23.5	0.6	26.1	0.9	27.4	2.8	24.7	1.7	24.9	2.8	19
20	23.2	1.1	25.0	1.9	24.1	0.2	23.0	0.1	25.9	0.8	26.6	2.2	24.3	1.9	24.2	2.3	20
21	22.8	1.0	24.6	1.6	25.0	0.7	23.5	0.5	25.0	1.1	25.9	1.8	23.7	1.2	23.6	2.0	21
22	22.2	1.1	24.0	1.1	25.1	0.8	23.3	0.2	24.9	1.0	25.6	1.5	23.6	1.1	23.1	1.7	22
23	22.1	1.2	22.0	0.5	25.0	0.8	23.7	0.4	24.9	1.0	25.0	1.1	23.1	1.1	22.7	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, 1943.

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, 1943.

Day	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		9d.		10d.*		11d.*		12d.*		13d.*		14d.*		15d.*		16d.*	
Hour	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Mid-night	10	1.7	07	1.4	08	2.0	06	3.0	09	1.5	10	2.4	09	1.9	12	1.3	07	1.1	10	2.0	12	1.8	13	1.8	12	1.2	12	1.5	07	1.0	06	1.6
1h	10	1.6	10	1.9	08	1.9	06	2.4	09	1.1	11	1.7	09	2.4	12	1.2	07	1.2	10	1.0	12	2.4	13	1.9	12	0.7	12	1.4	07	1.0	04	1.8
2	10	1.5	11	1.8	08	1.4	06	2.0	09	1.9	12	1.2	09	1.6	12	1.7	12	2.1	10	1.3	12	2.1	11	2.1	12	1.1	12	1.7	07	1.1	04	1.7
3	10	1.4	11	1.8	08	1.3	06	2.0	12	1.9	11	1.3	09	0.9	12	1.1	12	2.3	10	1.5	12	1.9	11	1.5	12	2.0	12	1.8	07	1.6	02	2.3
4	10	1.5	11	1.5	10	1.9	08	2.4	10	1.9	11	2.0	09	0.7	12	1.1	12	2.0	10	1.6	12	1.4	11	1.8	12	1.9	12	2.1	10	1.5	02	1.8
5	10	1.4	11	1.7	10	2.6	08	2.2	10	1.8	11	1.7	09	1.6	12	1.1	12	1.4	10	1.6	12	1.9	11	2.0	12	1.5	12	1.8	10	1.3	02	1.3
6	10	1.7	11	1.6	10	2.1	08	3.7	10	2.2	11	2.0	09	1.5	12	1.3	12	2.0	10	1.9	12	1.8	11	1.4	12	1.5	12	1.8	10	1.1	02	1.1
7	07	2.1	11	2.0	09	3.2	07	4.0	09	2.7	11	2.2	09	1.8	11	1.8	11	1.8	13	1.9	12	1.6	11	1.1	12	0.9	12	1.3	10	1.3	02	3.4
8	05	3.9	08	4.4	05	3.5	08	5.6	09	3.6	08	3.5	12	3.0	06	2.2	07	1.8	10	2.9	06	1.8	d25	1.9	d26	1.7	04	1.5	01	2.7	32	4.9
9	07	3.9	07	4.3	09	3.5	06	4.5	09	3.7	08	5.0	08	3.1	09	2.5	04	2.1	06	2.4	04	1.7	28	3.7	19	2.2	03	1.9	02	3.1	29	5.0
10	06	4.3	08	4.3	06	3.8	10	6.0	08	4.1	07	4.0	05	4.4	06	3.0	03	2.4	10	3.7	31	2.4	27	3.3	23	4.0	32	2.4	02	3.4	30	4.7
11	05	4.4	05	4.4	07	4.9	05	5.5	10	4.0	04	6.0	05	4.3	07	3.0	05	2.9	06	3.8	27	3.4	29	4.0	26	3.3	30	3.7	30	3.2	32	4.8
Noon	07	3.6	09	4.4	08	5.2	05	4.7	10	4.2	08	4.4	05	4.4	07	4.3	06	4.2	05	4.9	30	4.7	29	4.1	27	4.4	30	4.2	01	4.4	31	4.9
13h	05	4.0	07	4.7	05	5.4	04	4.7	07	4.4	10	5.4	07	4.4	08	4.9	08	4.2	05	3.6	29	4.3	26	4.4	24	4.5	01	4.4	02	3.8	28	5.4
14	04	4.3	06	3.9	07	5.0	07	4.7	11	2.8	07	4.6	08	4.3	05	4.2	05	3.5	d18	3.5	26	4.1	22	3.8	26	3.5	29	3.5	02	4.4	30	4.9
15	05	4.6	06	4.1	08	5.2	08	5.2	13	2.2	09	4.8	07	4.6	07	4.5	05	4.6	18	3.7	25	3.7	24	4.0	27	2.9	02	2.8	02	4.2	32	4.3
16	05	4.4	06	4.2	08	5.4	08	4.9	14	2.3	11	4.6	06	4.5	11	3.0	06	4.2	18	3.7	24	4.1	25	3.9	14	2.4	d14	2.2	05	3.6	30	4.8
17	06	4.2	08	4.1	06	4.5	08	4.6	09	4.5	08	5.5	09	4.3	08	3.1	04	4.0	18	1.8	20	3.8	24	3.2	18	3.9	18	1.9	04	3.5	31	4.5
18	06	3.0	07	3.6	07	4.1	09	4.2	09	4.1	10	4.4	11	4.1	06	2.7	04	3.1	18	1.1	21	2.3	23	3.0	18	1.2	16	1.5	07	3.1	30	4.1
19	07	1.2	08	3.2	08	3.5	09	2.8	11	2.7	12	3.1	09	3.1	06	1.9	06	2.3	13	1.2	21	1.3	22	1.8	18	1.3	18	1.1	07	2.2	01	3.6
20	07	2.2	08	2.2	08	3.2	09	3.0	10	1.8	09	2.9	09	2.1	07	1.4	07	2.0	13	1.1	21	0.6	22	0.6	12	1.5	09	1.5	07	1.6	32	2.8
21	07	1.3	08	1.8	08	2.8	10	2.1	10	1.8	09	1.7	12	1.8	06	1.1	07	1.1	13	1.3	21	1.4	21	0.6	12	0.9	07	1.1	07	1.7	01	2.8
22	07	1.0	08	3.0	07	2.8	09	2.2	10	1.4	10	1.8	12	1.3	06	1.4	07	1.6	13	1.9	15	2.0	17	1.7	12	1.1	07	1.0	07	1.5	01	2.6
23	07	1.5	08	2.1	07	2.7	09	2.9	10	2.0	10	2.7	12	1.0	06	1.8	07	1.3	13	1.7	15	1.8	17	1.3	12	1.3	07	0.9	06	1.3	30	2.9

Day	17d.*		18d.*		19d.*		20d.*		21d.*		22d.		23d.*		24d.		25d.*		26d.		27d.		28d.		29d.*		30d.*		31d.*		Mean Velocity.
Hour	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Mid-night	01	2.6	01	2.0	29	1.9	10	1.5	10	1.5	09	1.2	10	2.2	11	1.4	10	1.8	15	1.6	10	2.5	03	3.0	03	4.2	01	2.1	31	1.1	1.9
1h	02	1.1	d11	1.1	29	2.0	10	1.1	10	1.3	09	1.5	10	2.0	11	2.0	10	1.3	15	1.7	06	1.8	05	2.0	01	3.6	01	1.5	31	0.7	1.6
2	02	1.1	11	0.9	29	1.3	10	1.3	10	1.3	09	0.6	10	2.3	11	1.3	10	1.8	15	1.5	06	2.5	02	4.7	32	3.6	01	1.0	31	1.1	1.7
3	32	1.8	11	1.1	29	1.6	10	1.8	10	2.2	09	1.1	10	1.9	08	2.0	10	1.6	15	1.8	11	2.0	04	3.2	01	2.2	01	0.7	30	1.2	1.7
4	32	1.0	11	1.1	29	1.8	10	1.4	10	1.8	09	1.1	10	2.0	08	1.3	10	1.8	12	1.8	11	2.1	04	3.6	30	3.2	01	0.9	02	1.3	1.7
5	32	1.0	10	1.2	29	2.0	10	1.1	10	1.2	05	1.4	10	2.2	10	0.8	10	1.8	12	1.8	09	2.8	04	2.2	01	3.4	01	0.6	04	1.1	1.7
6	32	1.9	10	1.2	29	1.3	10	1.3	10	1.5	08	1.5	10	1.8	10	2.5	10	1.4	12	1.8	09	2.4	02	4.0	32	3.7	01	1.4	04	1.2	1.9
7	31	1.5	10	1.2	29	1.5	10	1.4	09	1.8	08	2.6	10	2.0	10	1.3	10	1.9	12	1.5	07	3.0	03	4.2	32	4.0	01	1.1	04	1.2	2.0
8	31	4.3	29	2.3	03	1.8	07	2.1	07	2.5	08	2.8	06	2.8	06	2.1	09	2.3	06	2.4	09	1.4	03	4.6	32	4.7	30	2.9	31	2.9	2.9
9	30	4.2	31	3.2	05	2.2	07	2.9	06	3.1	06	3.0	07	3.2	04	2.2	07	2.3	02	3.1	05	3.3	03	2.9	32	5.7	30	2.9	29	3.2	3.2
10	01	4.3	29	3.3	07	2.4	05	3.2	05	4.0	08	3.9	02	4.0	06	3.0	d21	1.8	03	3.1	05	4.1	04	3.3	30	5.3	29	3.5	29	3.4	3.6
11	31	4.2	31	4.0	05	2.7	05	3.7	05	4.2	08	4.2	05	3.5	06	3.2	19	2.8	02	4.2	04	5.1	05	4.2	32	5.7	28	3.4	30	4.0	4.0
Noon	32	4.4	29	3.9	01	3.6	05	3.8	05	4.8	08	4.9	02	4.5	04	3.4	20	1.9	01	5.5	02	6.3	04	4.8	32	5.6	28	4.1	29	4.0	4.4
13h	32	5.5	01	3.6	04	3.9	05	3.8	06	4.4	06	5.3	03	4.6	07	3.7	17	2.1	02	5.0	03	6.0	05	5.3	01	3.9	29	4.0	28	2.8	4.4
14	31	5.1	31	4.2	03	3.6	10	3.1	06	3.1	05	5.0	04	4.3	05	3.5	d28	3.0	03	3.9	02	5.8	04	5.8	31	4.9	29	3.7	29	3.1	4.1
15	28	4.5	27	4.0	06	3.0	14	3.8	06	3.3	07	4.4	04	3.7	05	3.1	d14	4.5	06	1.9	02	5.8	06	5.5	31	4.4	28	3.7	29	3.9	4.0
16	30	4.6	27	3.6	04	3.1	21	2.3	06	2.1	06	3.6	05	2.8	06	2.6	16	2.6	03	2.0	03	4.4	05	5.3	30	4.4	28	3.4	27	1.8	3.6
17	29	3.5	26	2.8	02	2.4	N3	2.0	d17	1.3	08	3.9	d18	2.2	05	2.1	22	1.8	04	2.0	03	3.9	06	3.7	30	4.0	29	3.0	21	1.9	3.3
18	31	3.0	30	2.2	06	2.2	02	1.1	09	2.4	10	3.1	20	3.6	06	2.0	19	1.1	05	2.1	04	4.1	06	4.3	31	3.6	29	2.9	10	1.6	2.9
19	32	2.3	29	1.1	05	2.2	d10	1.4	08	2.1	08	2.2	20	2.3	07	1.8	19	1.0	04	1.8	03	4.4	06	4.1	32	2.4	31	2.3	10	1.5	2.2
20	32	2.1	29	0.7	07	1.5	10	2.3	08	1.5	08	2.1	18	1.4	07	0.8	19	1.3	05	1.4	05	3.9	07	4.3	32	1.7	31	1.4	08	1.5	1.9
21	32	1.4	30	0.9	06	2.4	10	2.3	08	1.8	09	2.3	11	1.3	07	1.4	15	1.4	05	1.7	06	3.3	06	3.6	32	1.4	31	1.5	08	2.2	1.7
22	32	0.6	29	1.5	06	1.5	10	2.6	09	1.0	08	1.6	11	1.1	07	1.7	15	1.8	10	2.0	04	4.0	03	3.9	32	1.4	31	1.3	08	1.9	1.8
23	32	1.1	29	1.5	07	1.9	10	2.4	09	1.2	10	1.8	11	0.7	07	1.6	15	1.3	08	1.8	03	4.6	03	3.7	01	1.8	31	1.1	08	1.9	1.9

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), DECEMBER, 1943.

Force (0 - 12)				Direction															
Hour	8 or above	4 to 7	0 to 3	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	3	1	1	1	5	6	11	-	1	-	-	-	-	-	1	1
9	-	1	30	2	2	7	4	10	-	-	-	-	-	1	-	-	-	3	2
15	-	2	29	1	3	4	5	6	-	1	2	-	1	-	-	2	-	5	1
21	-	-	31	4	-	1	4	11	3	4	-	1	-	2	-	-	-	-	1
Totals				10	6	13	14	32	9	16	2	2	1	3	-	2	-	9	5

TABLE XIVa.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY for DECEMBER, 1943.

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	...	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8.4	...	19.5	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8.4	0.6	5.1	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.3	...	...	...	...	...	...	...	...	...	8.4	1.3	0.8	...	...
4	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4.3	0.2	1.2	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8	4.9	0.8	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.0	4.0	0.1	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.8	1.7	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.4	...	...	1.0	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.1	6.9	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...
15	...	...	...	...	...	...	...	...	8.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.6	...	0.4	0.3	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5.0	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	4.2	...	...	...	...	...	...	6.0	...	...	...	...	4.3	...	...	7.4	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.7	4.3	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7.0	11.0	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.3	...	...	...	...	6.6	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	2.1	...	8.3	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	2.4	3.0	0.1	0.4	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8.4	3.2	0.1	...	...	...

TABLE XIVb.—RAINFALL at every HOUR of the DAY at the AEROLOGICAL STATION, VACOAS, for DECEMBER, 1943.

Hour \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	...	...	...	...	~~0.5~~ 4.5	...	...	...	...	...	...	...	...	...	...	0.2	0.2	...	...	...	...	...	...	...	...	...	10.5	0.6	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	0.1	...	...	...	...	...	...	...	...	...	17.5	5.3	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	6.2	1.7	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	3.5	...	...	...	...	...	...	...	...	...	...	1.3	...	...	...
5	...	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	2.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.2	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4.0	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1	...	0.4	...	...	...	...	...	...	...	...	...	...	1.3	3.2	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5.3	2.8	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.7	...	3.8	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.6	...	0.8	2.4	0.5	...	0.5
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.8	5.7	...	0.5	2.8	3.3	...	9.8
14	...	...	...	...	...	...	...	...	...	...	...	...	...	19.3	...	...	...	...	...	5.8	0.2	...	0.3	...	3.2	1.7	...	2.2	0.6	...	...
15	...	...	...	...	...	...	...	...	...	6.0	...	...	...	1.0	...	...	...	...	...	1.6	...	...	9.2	...	...	...	...	0.6	0.1	...	0.3
16	...	...	...	...	...	...	...	...	...	5.4	...	...	...	0.8	2.0	...	...	...	...	0.9	...	...	6.5	...	...	...	0.7	1.2	0.2	...	2.9
17	...	...	...	...	...	...	...	...	...	...	...	0.1	9.2	0.3	0.7	...	...	...	0.1	...	...	...	2.0	0.9	0.4	...	1.8	3.0	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	0.6	...	0.9	...	...	...	...	...	...	...	3.8	3.4	0.1	...	0.2	4.0	0.4	...	0.3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	0.2	...	...	0.3	4.0	...	...	...
20	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.2	7.4	2.9	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	...	7.8	...	2.3	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	1.5	...	0.5	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.8	2.5	8.0	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.6	8.0	...	...	...	...	...	...	...	...	...	...	1.8	9.5	...	...	...

TABLE XV. TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS according to RIVER SYSTEMS indicated on the CHART for DECEMBER, 1943.

RIVER SYSTEM.	STATIONS	Approximate Altitude in feet.	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Sèche	20	6.35	161.3	3.90	
	St. Antoine	50	9.17	233.0	3.69	
	Bel Mont	50			4.39	
	Poudre d'Or S.E.	20			4.08	
	Mon Loisir S.E.	300	9.15	232.4	5.22	9
	Forbach	300	6.76	171.7	3.60	8
	Couroupa	...			5.98	
	Labourdonnais	290	5.89	149.5	5.04	7
	Mapou Water Office	No record				
	Beau Séjour	300	8.15	207.0	5.46	12
	Mon Piton	650	6.61	169.2	6.42	6
	Mon Choix	700	5.75	146.1	5.93	6
	Antoinette	640	9.94	252.5	6.17	7
	Mon Songe	620	8.92	226.6	6.49	8
	Botanical Gardens	325	8.50	215.9	5.92	14
	The Observatory	179	7.64	194.2	4.68	13
	Solitude	175	8.18	207.8	3.70	6
	St. André-cour	90			4.08	
	La Nicolière	...	8.48	215.4	6.59	9
	California	...	8.67	220.2	6.81	7
	Australia	...	9.50	241.3	...	
2 & 3	Union Regnard Flacq S.E.	600	10.80	274.3	6.91	10
	Constance La Gaité	100	11.61	294.9	6.99	11
	Rich Fund	600	9.51	241.6	6.87	11
	La Joffrette	...	11.30	287.0	...	7
	Belle Vue Allendy	...	9.69	246.1	8.56	10
	Sans Souci	900	18.54	470.9	10.74	14
	Beau Champ G.R.S.E.	20	8.74	222.0	6.24	13
	Olivia	400	9.41	239.0	8.92	13
	Trois Ilots	...	10.60	269.2	...	14
	Belle Rive	400	12.35	313.7	10.45	15
	Sébastopol	700			...	
	Bonne Veine	400	16.61	421.9	14.06	17
5	Rose Belle	850	18.89	479.8	11.11	19
	New Grove	650	24.01	736.9	...	14
	Mon Trésor	...	17.84	453.1	...	9
	Mon Désert Carié	75	11.33	287.8	5.87	9
	Ferney	20			8.55	
	Sauve Terre	...	12.56	319.0	...	10
	Tivoli	1300	14.07	357.4	10.59	12
	La Flora	1050	15.12	384.0	9.76	13
	Riche Bois Britannia	650	14.07	357.4	10.01	11
	Britannia Estate	700	13.50	342.9	9.05	13
6	Savannah Mill	200	10.25	260.4	6.49	11
	St. Aubin	300	9.36	237.7	7.53	11
	St. Avold	900	13.11	333.0	9.56	13
	Colmar	400	11.25	285.8	8.47	11
	Union S.E.	...	9.28	235.7	6.34	
	Fontenelle	320	8.81	223.8	6.39	
	Choisy	200	5.40	137.2	6.00	11
	Beau Bois	...	11.51	292.4	8.51	13
	Bel Air	...	13.74	349.0	7.02	8
	St. Félix	...	11.40	289.6	...	8
7, 8, 9 & 10	Bel Ombre	40	6.42	163.1	5.40	12
	Beau Champ B. du Cap	70	7.57	192.3	5.28	10
	Frederica	...	6.25	158.8	...	9
	Pierre Fonds	...	12.76	324.1	8.28	16
	Ste. Marie	...	7.93	201.4	...	10
	Hussonia	...			...	
11	Curepipe Gardens	1840	12.07	306.5	10.53	11
	Mare aux Vacoas G.E.	1850	14.52	368.8	11.07	17
	Mare aux Vacoas Arnaud	1830	13.77	349.8	11.43	16
	La Marie Filter Beds	1700	15.10	383.5	9.00	13
	Sophie	No record				
	Réunion	1420	12.29	312.2	8.80	14
	Aerological Station	1393	7.11	280.6	9.10	21
	Phoenix	...	12.30	312.4	7.60	10
	Quatre Bornes	...	9.00	228.6	...	12
12	Quatre Bornes Board	1090	8.24	209.3	...	11
	Le Réduit Dept. of Agric.	1000	13.67	347.1	6.60	21
	Alma	1460	15.74	399.8	11.14	19
	Bagatelle	1250	13.96	354.6	7.05	14
	Highlands	1300	11.53	292.9	8.59	13
	Trianon	950	11.37	288.8	6.88	13
	Val Ory	1100			7.15	
	Bassin	...	12.59	319.8	9.80	14
	Hermitage	1450	18.11	460.0	12.90	14
	Ebène	...	16.45	417.8	...	16
	Bégа	...	14.91	378.7	...	16
	Mon Rêve	...	16.98	431.3	...	16
	Mont Pévril	...	14.12	358.6	...	17
	Minissy	1150	9.70	246.4	9.25	16
	Blaisance	...			...	
	La Ferme	350	11.82	300.2	5.55	16
	Line Barracks	...	10.35	262.9		15
	Richelieu Tobacco Res. Stn.	...	9.41	239.1		12

TABLE XVb. TOTAL ANNUAL RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART. TOTAL NUMBER OF STATIONS.

RIVER SYSTEMS	STATIONS	JAN.	FEBR.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL
1	Mare Sèche	319.5	101.1	80.8	115.8	50.8	74.4	68.6	114.8		25.4	17.8	161.3	1130.3
	St. Antoine	271.0	113.3	64.5	103.0	27.9	42.0	64.0	69.0	28.0	13.0	6.0	233.0	1034.7
	Bel Mont	256.0	77.0	68.6										
	Poudre d'Or	262.9	79.0	65.8										
	Mon Loisir	397.0	74.9	136.7	152.4	54.4	85.1	57.7	85.6	35.6	27.7	22.1	232.4	1361.6
	Forbach	210.6	128.5	56.9	77.7	39.1	56.4	59.4	64.8	26.4	54.9	29.0	171.7	975.4
	Couroupa													
	Labourdonnais	176.0	102.0	83.0	43.0	24.0	50.5	68.5	72.0	23.0	44.0	12.0	149.5	847.5
	Mapou Water Office													
	Beau Séjour	266.2	93.7	131.3	144.0	43.2	85.3	75.4	83.1	31.0	64.3	13.7	207.0	1238.2
	Mon Piton	221.2	101.9	117.3	125.5	29.2	86.9	78.0	95.8	34.5	58.9	7.1	169.2	1125.5
	Mon Choix	211.1	108.2	103.9	119.9	22.6	93.7	70.9	67.1	18.3	58.9	6.4	146.1	1027.1
	Antoinette	458.5	113.0	131.6	166.9	83.3	68.8	126.2	109.5	26.7	75.2	20.1	252.5	1632.3
	Mon Songe	364.7	96.0	162.1	136.7	88.9	62.5	86.9	124.0	21.8	83.1	26.2	226.6	1479.5
	Botannical Gardens	233.7	118.4	103.4	74.9	51.2	63.0	63.5	76.6	28.3	36.8	23.7	215.9	1089.4
	The Observatory	238.6	112.5	102.6	80.9	43.0	64.4	61.8	60.7	25.0	17.7	10.3	194.2	1013.7
	Solitude,	256.8	106.2	101.9	68.1	38.9	42.2	25.4	34.8	3.8	14.7		207.8	900.6
	St. Andre (cour)													
	La Nicolière	419.1	128.5	168.1	228.9	101.3	81.8	82.0	153.2	71.4	52.1	25.9	215.4	1727.7
	California	454.7	126.2	183.1	217.7	96.8	66.5	79.8	178.6	59.2	66.0	18.0	220.2	1766.8
	Australia	531.4	110.0	216.4	210.3	105.7	77.5	89.4	159.5	31.8	72.1	32.0	241.3	1877.4
2 & 3	Union Regnard(Flacq)	503.7	92.7	216.4	161.3	76.2	81.5	74.9	100.6	31.0	30.0	11.9	274.3	1654.5
	Constance la Gaité	453.1	70.6	208.3	114.3	56.6	76.5	73.9	117.9	37.1	24.9	12.7	294.9	1540.8
	Rich Fund	438.8	142.0	209.3	156.7	91.4	107.4	90.7	105.2	48.5	66.3	33.8	241.6	1727.7
	La Joffrette	410.2	116.8	203.2	137.2	95.3	106.7	90.2	96.5	36.1	45.7	10.0	287.0	1634.9
	Belle Vue Allendy	505.5	54.1	222.3	122.7	70.9	72.1	87.9	93.7	36.8	29.2	11.7	246.1	1553.0
4	Sans Souci	608.1	307.1	363.0	362.7	271.0	407.2	240.3	394.2	175.8	170.4	111.5	470.9	3882.2
4	Beau Champ G.R.S.E.	364.7	93.5	128.0	80.5	72.9	84.8	33.8	97.3	31.8	15.0	14.5	222.0	1238.8
	Olivia	526.8	139.2	162.8	137.7	117.1	175.7	52.8	152.7	38.4	21.1	27.9	239.0	1791.2
	Trois Ilots	485.4	125.0	162.6	116.3	108.5	111.5	38.1	102.6	32.5	8.6	13.2	269.2	1573.5
5	Belle Rive	512.8	208.0	222.3	210.8	165.6	193.8	123.7	199.4	79.8	37.3	59.2	313.7	2326.4
	Sébastopol													
	Bonne Veine	488.4	263.1	446.3	219.7	148.6	216.7	132.8	232.2	153.4	113.5	76.7	421.9	2913.3
	Rose Belle	489.2	266.4	396.5	240.5	140.2	191.5	117.6	288.0	116.1	61.5	70.9	479.8	2858.2
	New Grove	564.6	271.8	419.1	292.4	178.3	186.7	64.3	212.3	86.9	52.1	31.8	736.9	3097.2
	Mon Tresor	650.7	321.6	394.7	237.0	175.0	193.8	67.8	242.3	58.7	18.5	23.6	453.1	2836.8
	Mon Désert Carié	390.9	65.8	218.4	91.2	62.0	85.3	43.4	109.2	48.5	1.0	12.4	287.8	1415.9
	Sauve Terre	339.1	104.4	215.6	52.8	68.6	79.0	26.9	92.2	44.2	1.3	8.6	319.0	1351.7
6	Tivoli	591.8	302.8	297.2	208.5	91.9	271.5	140.5	221.7	127.3	53.8	66.5	357.4	2730.9
	Ferney													
	La Flora	582.9	214.3	342.4	234.2	107.2	233.9	124.7	263.9	114.3	59.9	63.5	384.0	2725.2
	Riche Bois	660.9	216.2	257.6	150.9	118.6	252.7	62.3	169.7	67.8	36.8	14.2	357.4	2365.0
	Britannia	588.3	208.5	238.3	209.0	106.9	195.1	93.2	207.8	83.3	41.1	56.1	342.9	2370.5
	Savannah Mill	385.3	81.8	127.8	83.3	120.9	95.3	36.1	86.4	28.2	8.6	11.9	260.4	1326.0
	St. Aubin	536.4	113.8	135.1	100.1	93.2	72.6	22.9	91.7	6.6	12.2	50.0	237.7	1472.3
	St. Avold	608.3	226.3	287.3	249.2	103.9	259.8	138.4	248.7	129.0	41.4	57.4	333.0	2682.7
	Colmar	566.2	222.3	254.3	210.3	110.0	189.0	85.3	170.9	79.2	45.0	22.9	285.8	2241.2
	Union	390.4	102.4	151.9	118.6	115.1	117.3	46.5	119.9	30.7	6.4	30.2	235.7	1465.1
	Fontenelle	487.4	117.9	151.1	125.0	89.4	151.1	46.7	109.2	34.8	8.4	74.2	223.8	1619.0
	Choisy	325.4	116.1	211.6	174.8	73.7	115.8	53.8	90.7	20.3	22.6	86.4	137.2	1428.4
	Beau Bois	659.1	198.9	227.1	200.4	64.5	185.4	84.3	199.4	46.5	28.7	82.6	292.4	2249.3
	Bel Air	459.7	73.7	128.8	168.7	141.0	105.9	39.9	141.5	19.8	5.3	53.3	349.0	1686.6
	St. Félix	563.4	97.8	200.7	183.4	162.6	134.6	30.5	147.3	30.5	-	22.6	289.6	1863.0
7,8,9,10	Bel Ombre	509.0	211.6	220.5	197.4	102.9	110.5	67.8	75.2	22.1	30.2	89.9	163.1	1800.2
	Beau Champ (B. du Cap)	469.1	184.2	162.6	165.4	86.1	115.6	51.1	93.0	36.8	15.5	51.3	192.3	1623.0
	Frederica	505.2	175.0	201.4	177.3	96.5	141.2	56.6	96.3	23.6	27.2	78.7	158.8	1737.8
	Pierre Fonds	193.0	125.7	307.3	63.8	37.8	45.5	39.4	33.0	32.3	25.7	30.5	324.1	1258.1
	Ste. Marie	438.7	184.2	213.6	164.1	82.8	146.8	56.4	98.6	35.3	21.1	53.3	201.4	1696.3
	Hussonia													
11	Curepipe Gardens	447.0	261.7	365.2	126.0	104.9	224.3	96.9	243.6	166.0	133.9	107.0	306.5	2583.0
	Mare aux Vacoas(G.E.)	506.2	313.2	436.4	161.5	118.6	283.5	171.5	292.6	220.2	98.8	96.0	368.8	3067.3
	Mare aux Vacoas(Ard.)	573.0	299.0	440.9	238.5	134.1	344.4	221.7	329.7	238.0	117.3	129.3	349.8	3415.7
	La Marie Filter Beds	387.6	253.5	430.0	148.3	84.6	186.9	115.6	211.3	161.3	75.4	62.0	383.5	2500.0
	Sophie													
	Reunion	395.2	224.0	315.0	119.1	76.5	144.3	89.9	138.4	105.7	57.4	70.1	312.2	2047.8
	Aerological Station	391.6	191.1	255.5	92.5	89.6	117.5	78.8	121.2	99.1	65.9	59.3	280.6	1842.7
	Phoenix	389.9	187.2	303.8	84.6	94.5	132.3	75.7	130.3	62.5	37.8	38.1	312.4	1849.1
	Quatre Bornes	219.5	120.9	202.7	47.0	42.7	54.1	33.3	57.7	32.8	14.0	24.1	228.6	1077.4
12	Quatre Bornes(Board)	238.2	92.5	220.5	47.0	55.9	254.0	30.5	58.7	27.4	9.1	7.8	209.3	1247.9
	Le Reduit	231.9	154.8	196.1	31.7	69.0	73.2	48.3	71.4	56.3	18.9	26.4	347.1	1325.1
	Alma	466.9	224.3	446.5	243.1	175.3	214.4	128.8	207.0	113.0	99.8	59.9	399.8	2778.8
	Bagatelle	447.8	270.8	313.4	153.9	87.4	170.4	72.1	145.0	125.2	32.0	48.8	354.6	2221.4
	Highlands	356.9	183.9	274.1	86.6	101.3	175.3	65.5	116.8	71.9	34.5	31.0	292.9	1790.7
	Trianon	268.0	155.2	306.2	62.2	63.5	66.0	38.1	70.1	52.3	19.1	30.7	288.8	1420.2
	Val Ory													
	Bassin	214.1	129.8	292.1	69.1	37.1	45.5	44.2	40.1	31.0	19.6	16.8	319.8	1259.2
	Hermitage	373.4	241.6	307.3	187.2	95.0	184.7	129.3	253.0	100.6	81.5	72.4	460.0	2486.0
	Ebène	308.9	169.2	243.3	66.0	91.7	86.4	51.1	74.4	51.6	12.7	31.0	417.8	1604.1
	Bégà	263.7	159.3	170.4	56.6	75.7	56.9	32.0	62.7	41.4	6.6	34.3	378.7	1338.3
	Mon Rêve	316.2	197.9	263.4	82.0	66.8	95.8	52.3	97.0	75.4	25.4	42.7	431.3	1746.2
	Mon Pévril	280.4	179.6	275.8	88.4	54.8	69.1	50.8	76.7	58.7	17.3	32.0	358.6	1552.2
	Minissy	365.0	251.7	258.8	86.4	89.2	94.2	52.6	109.2	85.3	27.7	42.7	246.4	1709.2
	Plaisance													
	La Ferme	262.1	142.0	174.5	67.8	48.0	16.0	13.5	13.7	24.1	9.9	13.2	300.2	1085.0
13	Line Barracks	208.9	115.9	92.4	63.9	68.5	3.6	18.6	25.7	15.6	3.3	7.1	262.9	896.4
	Richelieu	178.1	107.7	141.7	31.7	75.0	11.4	12.6	17.1	10.8	10.0	3.7	239.1	828.9

TABLE XVI. PILOT BALLOON OBSERVATIONS FOR THE MONTH OF DECEMBER, 1943.

Date	Time	Surface		250 metres		500 metres		750 metres		1,000 metres		1,500 metres		2,000 metres		2,500 metres		3,000 metres		3,500 metres		4,000 metres	
		Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
		°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.	°	m.p.s.
1	8.24	...	...	...	...	069	6.4	075	5.9	092	5.2	113	3.1	130	3.5	090	2.3	054	1.8	342	1.9	303	3.1
2	8.38	...	...	...	...	097	3.2	085	5.0	089	4.8	...	...	...	...	...	...	...	...	...	...	...	...
3	8.38	...	...	...	...	087	5.7	096	7.3	091	7.2	066	7.8	068	6.2	104	6.4	...	...	...	...	...	...
4	8.12	...	...	...	...	090	6.5	094	8.8	104	4.9	169	1.0	068	2.7	083	4.7	085	5.0	084	4.8	114	3.5
5	8.20	...	...	...	...	102	6.3	104	6.4	108	6.3	117	3.6	100	4.4	120	7.2	134	7.4	124	6.1	086	4.4
6	8.30	...	...	...	...	108	12.0	108	11.5	105	11.3	108	12.7	118	11.4	092	8.5	101	7.1	105	8.8	083	9.7
7	8.40	...	...	...	...	065	5.0	069	5.2	078	5.4	...	...	...	...	...	...	...	...	...	...	...	...
8	8.20	...	...	...	...	120	4.8	108	4.8	085	6.6	...	...	...	...	...	...	...	...	...	...	...	...
9	8.40	...	...	...	...	063	2.9	065	3.6	072	5.1	094	3.2	064	2.8	062	4.2	059	6.8	...	...	...	...
10	8.28	...	...	...	...	098	6.1	093	5.3	094	4.5	...	...	...	...	...	...	...	...	...	...	...	...
11	8.12	...	...	...	...	046	3.2	024	3.2	350	2.3	278	2.0	232	3.8	167	2.2	...	...	...	...	...	...
12	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	8.20	...	...	...	...	323	1.0	324	2.6	011	2.1	346	0.8	256	4.2	257	4.7	266	5.1	242	3.6	266	3.0
14	8.24	...	...	...	...	026	2.5	024	2.2	036	2.3	056	1.8	034	1.1	314	3.9	308	3.4	280	6.1	307	4.7
15	8.20	...	...	...	...	036	5.1	030	4.4	024	3.5	028	5.7	030	6.1	017	3.4	011	2.7	356	7.5	354	6.9
16	10.40	...	...	...	...	330	6.9	336	12.6	337	16.7	...	...	...	...	...	...	...	...	...	...	...	...
17	8.40	...	...	...	...	357	5.6	353	6.0	343	6.6	329	5.5	...	...	...	...	...	...	...	...	...	...
18	8.35	...	...	...	...	358	4.9	006	4.0	019	3.7	312	4.6	316	4.2	327	4.8	...	...	...	...	...	...
19	8.15	...	...	...	...	078	2.9	067	3.4	064	4.6	043	3.2	019	3.4	020	3.1	...	...	...	...	...	...
20	8.25	...	...	...	...	070	3.8	081	3.4	064	5.1	...	...	...	...	...	...	...	...	...	...	...	...
21	8.45	...	...	...	...	081	6.3	092	5.9	086	5.3	089	4.8	083	3.9	086	2.7	...	...	...	...	...	...
22	8.40	...	...	...	...	106	4.8	114	5.9	125	5.6	...	...	...	...	...	...	...	...	...	...	...	...
23	8.40	...	...	...	...	069	4.2	065	4.8	054	4.1	067	2.0	...	...	...	...	...	...	...	...	...	...
24	7.28	...	...	...	...	063	3.7	049	4.5	043	5.5	056	5.0	086	3.2	086	3.6	219	0.7	252	1.0	191	5.5
25	8.15	...	...	...	...	095	5.1	076	5.3	061	5.8	...	...	...	...	...	...	...	...	...	...	...	...
26	8.40	...	...	...	...	045	5.9	037	6.2	037	6.3	029	4.3	...	...	...	...	...	...	...	...	...	...
27	9.24	...	...	...	...	032	12.0	021	13.0	017	12.1	013	13.9	009	14.9	003	17.4	...	...	...	...	...	...
28	11.15	...	...	...	...	052	12.6	041	13.3	035	14.2	...	...	...	...	...	...	...	...	...	...	...	...
29	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	8.40	...	...	...	...	345	4.8	343	4.9	353	5.8	353	4.8	...	...	...	...	...	...	...	...	...	...