NEW SERIES (MONTHLY) VOL.XXVII PART I

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ROYAL ALFRED OBSERVATORY.

LATITUDE 20°51' 39"S., - LONGITUDE 3h 50m 12.6s

RESULTS
of
MAGNETICAL AND METEOROLOGICAL OBSERVATIONS.

FOR THE MONTH OF

JANUARY, 1941

N R.Mc.CURDY, B.Sc. F.R.MET.SOC.

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TABLE I - RESULTS OF MAGNETICAL OBSERVATIONS MADE DURING THE MONTH OF JANUARY, 1941

Month and Day 1941	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	HRh : 10000	ZRz : 10000
				Unit γ				
December								
1	14°05.5'	.22398	.29912	9.5	57	26	128	78
2	04.7	410	907	8.0	41	22	92	66
3	04.6	428	903	9.3	27	21	27	21
4	04.7	425	902	9.5	50	15	112	45
5	04.3	437	900	6.0	34	23	76	68
6	03.9	433	905	3.5	53	14	119	42
7	04.5	419	904	6.3	66	17	148	51
8	05.1	418	905	5.3	38	34	85	102
9	04.3	426	907	2.7	71	10	159	30
10	04.2	427	906	5.0	34	17	76	51
11	05.3	426	906	4.5	33	12	74	36
12	04.7	421	906	7.8	23	14	52	42
13	04.9	426	906	6.8	32	15	72	44
14	05.3	437	908	9.0	35	16	78	48
15	03.7	440	901	11.5	24	27	54	81
16	04.9	430	898	14.2	71	42	159	125
17	05.1	421	903	12.5	115	31	258	93
18	05.6	403	907	9.3	36	28	81	84
19	04.4	404	901	11.3	44	34	99	102
20	04.6	420	898	10.5	26	32	58	96
21	04.9	440	898	7.6	41	20	92	60
22	04.8	447	898	3.8	39	22	87	66
23	04.7	421	897	6.0	87	29	195	87
24	05.4	408	907	6.5	82	17	184	51
25	05.4	411	905	8.0	38	20	85	60
26	05.6	419	902	5.0	35	15	78	45
27	05.3	422	900	6.7	42	29	94	87
28	05.2	428	902	8.0	25	25	56	75
29	04.9	426	897	14.3	20	47	45	140
30	05.5	417	901	13.3	44	36	99	108
31	05.1	424	904	11.8	37	20	83	60
Mean	14°04.87	.22 423	.29903	8.18	45.2	23.6	101.3	70.5

T = .37377 Mean Dip = 53°8.12 X = .21749 Y = -.05455 Z = .29903

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

Description of the Principal Magnetic Disturbances

Horizontal Force 1d. Moderately disturbed at end

2d. Very slightly disturbed

4d. Slightly disturbed between 3h. and 10 mainly small irregular oscillations.

5d. Second half: very slightly disturbed

6d. Moderately disturbed; small sharp positive waves at 10^h45^m and at 15^h20^m.

7d. Single positive wave (21γ) between $20^h\frac{1}{2}$ and $21^h\frac{1}{2}$

9d. Slightly disturbed during second half

16 d. Abnormally large decrease with minimum at 19^h15^m.

17d. Moderately disturbed; small rapid pul sations during first half followed by irregular waves during second half.

Absolute range 120 γ

19d. Slightly disturbed frequent small pulsations in the trace.

21d. Slightly disturbed.

22d. Slightly disturbed at end.

23d. Second half moderately disturbed. Irregular features mainly.

24d. Moderately disturbed. Irregular waves of minor importance during second half.

25d. & 26d. Moderately disturbed.

27d. Moderately disturbed during second hal

28d.&29d. Slightly disturbed.

TABLE II - RESULTS OF ABSOLUTE DETERMINATIONS OF THE MAGNETIC ELEMENTS DURING THE MONTH OF JANUARY , 1941

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.		
7.14.21	14°02.2	6.9.30	.22434	7.14.33	53°07.31	.29893
17.14.44	14.01.9	9.11.55	.22453	17.14.52	53°07.80	.29895
24.14.45	14.04.4	13.11.34	.22425	24.14.55	53.08.62	.29901
31.13.55	13.58.7	18.9. 51	.22425	31.13.59	53.07.75	.29893
		25.9. 38	.22414			
		30.9. 13	.22423			

TABLE III - MAGNETIC DECLINATION (WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

JANUARY, 1941

13° +

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day \ Hour
Midnight	045	050	045	045	045	040	050	055	045	050	055	060	045	047	045	040	Midnight
1	047	047	043	040	045	045	050	050	045	043	055	060	043	055	043	047	1
2	045	050	040	045	045	043	047	047	040	045	040	055	040	043	040	050	2
3	050	055	045	050	047	050	050	050	046	050	050	050	037	047	047	055	3
4	060	053	050	050	050	055	050	062	045	055	050	050	045	053	057	063	4
5	070	065	060	060	055	055	050	062	057	045	045	055	047	065	063	075	5
6	075	070	065	065	057	045	053	060	057	055	050	067	060	070	065	080	6
7	085	080	070	060	065	050	050	060	055	055	060	075	075	105	085	110	7
8	100	095	070	085	070	030	050	062	050	047	073	083	093	100	095	127	8
9	110	097	080	087	070	030	063	080	047	055	080	070	080	080	075	125	9
10	100	080	093	095	070	040	073	083	042	070	085	040	070	050	045	100	10
11	075	050	080	090	060	050	050	065	030	045	055	015	055	023	000	050	11
Noon	047	033	045	060	055	035	040	050	030	035	040	005	035	015	580	003	12
13	025	010	030	030	045	025	035	047	040	023	047	010	035	020	587	000	13
14	017	000	000	000	020	023	020	045	053	020	050	010	035	035	000	000	14
15	015	000	000	000	010	020	010	040	050	020	047	040	025	050	010	585	15
16	020	005	007	007	010	023	015	040	035	020	045	047	033	060	015	587	16
17	030	025	027	015	010	020	020	035	035	027	050	050	045	067	030	010	17
18	040	040	035	030	023	030	027	030	030	035	053	050	047	060	037	027	18
19	045	042	040	040	040	035	040	030	040	040	040	047	045	050	030	045	19
20	055	047	043	040	037	035	047	033	035	037	040	043	043	043	027	047	20
21	065	050	042	045	035	045	060	040	037	045	040	050	042	043	035	045	21
22	053	047	043	047	037	047	073	050	043	047	047	050	045	043	037	047	22
23	040	047	047	045	040	050	067	047	055	050	065	047	047	050	040	045	23

13° +

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Day \ Hour
Midnight	045	070	052	050	050	050	060	055	065	050	050	047	050	047	055	050	Midnight
1	043	065	047	055	052	053	050	060	047	060	050	055	053	050	055	050	1
2	050	070	050	056	040	053	055	067	055	063	047	060	053	055	055	050	2
3	060	065	045	047	055	055	058	065	067	070	060	053	060	055	055	053	3
4	065	060	040	055	060	055	063	065	070	070	067	065	065	063	060	057	4
5	090	073	065	063	065	057	060	070	073	075	073	080	065	067	065	064	5
6	075	080	075	065	070	057	055	075	180	083	185	190	180	175	080	068	6
7	090	090	090	070	070	063	060	080	100	080	100	100	120	105	105	079	7
8	100	090	093	080	083	057	055	070	080	080	090	080	130	110	103	082	8
9	090	093	000	090	080	060	050	070	060	070	065	070	110	115	100	076	9
10	060	085	000	085	080	065	043	055	045	063	050	045	080	120	083	068	10
11	015	090	085	070	075	063	030	035	040	043	033	050	030	080	050	051	11
Noon	000	027	050	060	063	065	025	035	025	035	037	040	007	040	020	033	Noon
13	575	005	010	020	045	055	020	040	020	035	030	025	595	005	587	022	13
14	015	000	595	590	025	040	020	040	027	033	030	020	590	595	590	017	14
15	020	010	580	585	015	035	030	027	035	035	023	020	587	587	010	017	15
16	010	010	593	593	007	020	015	015	047	037	030	020	007	595	023	019	16
17	030	023	020	015	015	017	010	060	047	055	040	040	030	020	035	031	17
18	035	045	050	030	030	023	037	035	050	060	050	045	040	040	043	039	18
19	040	053	055	050	035	030	060	040	045	055	050	045	045	055	050	044	19
20	155	045	060	047	040	033	065	060	067	057	057	047	047	055	050	040	20
21	100	065	080	045	043	035	080	060	050	055	050	047	053	055	050	051	21
22	080	055	060	045	050	043	070	055	047	045	055	047	045	060	050	050	22
23	070	080	055	050	050	057	055	055	047	043	050	045	045	060	053	052	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)

J A N U A R Y , 1941

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	381	408	416	437	423	459	415	392	423	423	428	410	425	424	436	441	Midnight
1	391	403	421	435	423	465	417	405	430	422	425	417	427	425	434	441	1
2	397	400	422	433	425	463	416	408	435	420	433	420	437	428	442	441	2
3	402	406	422	430	427	460	417	410	427	421	430	425	432	429	441	442	3
4	405	405	417	445	428	459	415	410	425	423	429	422	428	430	431	443	4
5	405	406	420	430	430	455	422	411	423	430	435	423	427	432	433	446	5
6	410	408	425	435	431	450	425	418	432	431	432	422	427	437	440	446	6
7	413	412	435	443	432	437	428	425	427	433	437	420	420	445	437	451	7
8	415	415	434	440	433	433	431	420	440	440	442	419	407	448	433	447	8
9	407	425	437	445	437	436	435	426	450	442	443	432	405	457	437	449	9
10	402	430	443	440	445	433	440	427	461	445	438	406	415	459	447	451	10
11	405	433	433	433	446	443	443	430	455	445	435	407	427	450	450	443	11
Noon	412	422	430	422	445	440	432	415	444	439	443	437	425	442	445	437	Noon
13	408	417	420	405	444	433	432	420	435	428	425	433	422	440	452	436	13
14	405	412	421	395	446	423	432	423	438	427	423	431	415	438	455	435	14
15	408	412	427	397	443	420	426	417	427	423	409	425	423	434	442	431	15
16	403	406	431	408	433	405	425	415	422	420	413	418	433	433	441	430	16
17	400	395	433	421	440	415	425	415	400	412	410	410	437	433	440	412	17
18	393	392	426	420	438	417	425	417	390	411	417	416	437	432	437	400	18
19	377	402	434	415	427	414	415	420	395	413	414	415	434	431	438	380	19
20	358	401	433	413	427	416	400	421	407	417	415	419	433	430	436	389	20
21	365	405	427	418	444	413	395	429	415	424	419	423	431	430	433	410	21
22	380	410	427	420	449	412	377	421	414	423	417	425	428	431	438	415	22
23	400	412	433	421	457	420	385	422	418	427	412	426	425	433	440	416	23

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Day \ Hour
Midnight	415	379	401	411	431	431	430	405	399	417	417	430	435	421	413	419	Midnight
1	425	380	405	420	437	433	437	407	410	415	425	421	426	425	425	415	1
2	440	389	407	426	441	435	442	405	405	415	435	419	428	425	415	424	2
3	446	390	415	424	435	436	435	405	405	418	426	435	423	426	419	425	3
4	447	400	430	423	435	437	434	415	403	435	422	428	426	429	423	426	4
5	440	405	419	423	440	438	440	420	407	428	423	423	425	427	430	426	5
6	468	404	420	420	441	441	441	425	412	422	427	425	424	431	439	429	6
7	459	400	421	422	440	446	447	437	414	437	429	422	418	435	441	431	7
8	467	402	415	423	455	455	450	447	432	437	433	422	420	426	450	433	8
9	462	412	406	423	465	463	454	440	433	427	436	432	423	421	443	436	9
10	452	415	400	423	469	461	453	435	430	421	437	443	430	422	433	436	10
11	440	415	390	420	460	469	450	434	429	425	429	442	435	427	425	434	11
Noon	415	415	380	421	449	463	443	435	423	425	423	438	436	428	420	431	Noon
13	405	410	377	409	440	457	425	432	415	414	425	435	438	428	415	425	13
14	414	390	385	409	433	460	422	428	400	409	420	433	431	425	420	422	14
15	425	400	390	413	428	456	413	400	400	420	415	437	425	415	415	420	15
16	431	403	403	409	432	456	400	371	407	417	414	432	425	407	415	418	16
17	415	410	405	415	441	453	387	365	402	420	412	420	430	403	417	416	17
18	385	405	395	418	435	451	392	385	395	413	419	420	428	400	422	414	18
19	385	405	400	419	432	447	372	390	395	409	405	419	423	395	421	411	19
20	375	407	407	422	431	445	368	368	400	402	385	423	423	389	420	409	20
21	385	405	410	424	430	437	367	375	403	414	420	418	421	387	423	413	21
22	353	400	405	425	429	435	399	377	410	418	412	421	420	399	422	413	22
23	370	415	408	435	430	430	398	383	423	419	423	435	421	415	420	419	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, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Mid-night	913	915	909	905	905	902	906	909	905	908	907	907	906	907	906	906	Midnight
1	911	912	909	905	905	902	906	908	905	907	906	906	906	907	905	906	1
2	910	912	908	905	905	902	907	909	904	908	905	908	904	904	904	906	2
3	910	911	907	906	906	903	907	911	906	909	906	905	905	905	905	905	3
4	911	912	908	906	906	903	907	912	907	909	907	907	906	906	906	905	4
5	911	912	908	904	905	905	908	912	908	909	907	908	908	907	907	906	5
6	912	913	908	907	904	902	907	912	908	910	909	911	910	911	907	907	6
7	916	913	907	908	905	906	906	912	906	909	912	913	914	916	910	912	7
8	923	915	908	906	907	903	907	913	905	911	913	912	916	914	911	913	8
9	926	914	908	905	908	904	907	919	907	912	913	908	912	907	906	910	9
10	924	909	911	905	907	914	906	919	907	913	913	902	908	900	897	898	10
11	913	899	902	902	902	913	905	913	903	909	905	899	905	900	888	881	11
Noon	908	894	895	898	897	910	900	898	904	905	902	900	902	906	884	875	Noon
13	907	893	895	894	893	908	895	892	904	902	902	899	907	913	887	873	13
14	903	893	890	894	888	907	893	885	907	896	903	900	906	916	892	875	14
15	900	897	893	894	885	903	893	888	906	897	901	904	905	914	893	871	15
16	903	900	896	893	888	902	894	893	902	899	902	907	902	912	893	877	16
17	906	903	897	894	891	900	898	897	908	902	902	908	901	909	898	887	17
18	908	907	900	897	895	900	902	898	912	903	902	910	903	906	902	898	18
19	910	907	901	899	899	902	903	901	913	906	902	909	904	903	901	908	19
20	913	907	901	901	900	903	904	902	910	906	904	908	903	904	900	909	20
21	917	908	902	903	899	903	907	903	909	907	905	908	904	905	902	907	21
22	915	909	904	904	900	905	910	906	909	907	906	908	905	907	906	907	22
23	913	909	906	904	900	905	910	906	911	907	908	907	907	907	906	907	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	907	915	908	906	903	903	903	908	913	908	907	905	904	903	908	907	Midnight
1	906	915	909	907	903	904	902	908	910	907	908	906	903	903	907	907	1
2	906	916	910	906	902	904	901	909	909	907	904	907	903	903	906	906	2
3	905	913	908	906	903	903	902	910	911	907	907	907	904	903	905	907	3
4	904	912	907	906	904	902	903	910	912	907	908	906	905	903	905	907	4
5	905	913	909	906	903	901	902	909	912	909	908	908	905	903	907	907	5
6	902	911	911	906	903	901	900	910	912	909	912	910	908	906	909	908	6
7	902	910	912	907	902	902	897	908	912	907	913	912	917	912	910	909	7
8	906	913	909	908	906	903	893	903	903	906	907	907	913	912	907	909	8
9	905	913	907	906	902	907	893	902	900	905	900	899	906	913	904	907	9
10	898	908	903	902	899	907	892	896	897	903	894	898	890	914	906	905	10
11	890	903	897	893	892	904	887	896	897	900	892	894	874	900	900	899	11
Noon	890	893	889	885	887	902	884	902	893	897	888	888	870	883	893	894	Noon
13	887	888	880	876	886	892	884	905	893	897	884	887	873	878	890	892	13
14	896	894	878	874	887	891	883	906	895	899	885	889	877	878	894	892	14
15	895	903	878	879	888	885	884	902	902	904	886	891	882	883	891	893	15
16	896	903	883	883	888	886	887	902	904	907	888	894	890	890	903	896	16
17	898	904	893	889	890	888	894	912	907	912	893	901	894	896	905	899	17
18	905	907	903	896	896	889	902	912	908	912	898	905	897	903	906	903	18
19	904	906	904	900	897	893	904	913	906	909	899	904	899	906	904	904	19
20	908	906	905	900	899	894	910	913	911	910	903	904	902	907	904	905	20
21	918	908	908	901	899	896	910	913	907	910	903	904	903	908	905	906	21
22	913	908	905	902	901	898	912	911	907	907	906	906	903	909	907	907	22
23	915	914	906	902	903	902	907	912	908	907	908	907	903	909	907	907	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, 1941

Month and Day	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
JAN.	mbs	C	C	C	%	mbs	o	m p s		C	C	C	C	C	C	C	mms	mins	hrs	%
1	963.0	26.3	3.1	21.8	77	26.1	325	5.0	10	21.8	25.4	24.4	24.0	27.3	21.8	5.5	3.0	65	2.0	16
2	965.2	26.7	3.3	21.8	75	26.1	15	2.5	10	22.9	25.7	26.4	22.8	27.0	22.0	5.0	2.0	75	2.1	16
3	965.0	23.9	2.1	20.7	82	24.4	90	6.2	10	20.7	22.1	22.3	20.1	24.6	20.0	4.6	29.5	470	0.1	1
4	963.1	21.4	0.4	20.8	97	24.6	10	0.9	10	20.5	21.2	23.6	21.8	24.5	20.5	4.0	62.3	505	0.0	0
5	957.5	22.1	0.2	21.8	98	26.1	270	4.8	10	20.6	21.4	24.4	23.2	26.2	20.2	6.0	4.8	145	2.2	17
6	957.9	24.8	1.9	21.9	84	26.3	95	1.4	10	22.2	23.9	21.9	21.8	26.2	21.4	4.8	14.0	325	2.0	15
7	960.5	22.4	0.7	21.3	79	25.3	120	8.8	10	21.8	22.4	23.1	22.0	24.2	21.1	3.1	12.3	365	3.0	23
8	962.8	23.7	3.1	18.9	75	21.8	100	5.9	9	21.2	23.5	22.5	21.8	25.7	20.8	4.9	0.6	15	3.8	30
9	963.4	24.7	1.9	21.9	84	26.3	100	7.5	8	21.3	24.4	24.9	23.5	26.8	21.0	5.8	1.9	230	10.3	79
10	962.1	25.1	0.7	24.1	94	30.0	90	4.4	10	23.3	25.0	26.0	25.8	27.0	22.7	4.3	10.1	585	2.7	21
11	962.0	24.0	0.7	23.0	94	28.1	70	4.9	10	23.2	24.9	24.8	23.8	26.4	22.7	3.7	6.3	415	0.6	5
12	962.7	26.0	2.1	22.9	83	27.9	45	3.9	8	22.8	25.5	24.5	23.4	28.0	22.2	5.8	12.3	290	2.3	18
13	962.0	23.9	1.0	22.4	91	27.1	60	7.3	10	23.2	23.4	23.5	22.6	25.6	22.2	3.4	18.7	795	1.6	13
14	960.6	24.8	2.6	20.9	79	24.7	80	9.8	10	22.2	23.3	23.7	22.4	25.2	21.6	3.6	29.8	820	0.3	3
15	960.4	23.4	0.5	22.7	96	27.6	60	10.8	10	22.3	23.0	24.7	23.9	25.6	22.3	3.3	37.5	985	4.0	31
16	961.4	25.0	1.2	23.3	90	28.6	80	7.3	10	23.5	24.1	24.4	23.8	27.3	22.6	4.7	14.3	665	3.0	23
17	961.1	23.7	0.3	23.3	98	28.6	90	7.2	10	22.4	23.3	23.1	21.8	24.0	22.0	2.0	16.0	630	0.3	3
18	960.3	23.4	1.0	21.9	92	26.3	45	8.0	10	21.8	23.1	23.6	20.8	26.0	21.2	4.8	41.1	650	0.2	2
19	960.5	23.6	2.1	20.4	83	24.0	60	7.9	10	21.2	22.5	22.5	21.8	24.6	20.8	3.8	1.8	145	0.2	2
20	959.6	21.9	0.3	21.4	97	25.5	90	9.0	10	21.2	20.3	21.5	21.0	23.4	20.9	2.5	19.3	710	0.0	0
21	958.2	21.1	0.4	20.5	96	24.1	90	10.8	10	20.9	21.0	21.7	21.0	22.2	20.0	2.2	42.9	1115	0.0	0
22	958.0	21.7	0.3	20.9	95	24.7	110	10.7	10	20.0	21.0	21.9	21.6	22.8	20.9	1.9	66.5	1440	0.0	0
23	960.9	22.5	0.5	21.8	96	26.1	120	7.3	10	21.7	22.0	22.9	22.3	23.6	21.2	2.4	28.4	1180	0.2	2
24	961.5	23.1	1.0	21.6	91	25.8	135	4.9	10	22.2	22.8	24.5	22.3	26.2	21.6	4.6	10.2	295	7.0	54
25	963.6	25.4	3.5	20.0	72	23.4	135	0.9	7	21.0	25.2	28.2	21.8	29.4	20.0	9.4	0.0	0	7.7	59
26	964.3	24.6	3.5	19.2	72	22.2	C A L M		6	18.2	24.3	26.8	21.0	28.4	17.3	11.1	0.0	0	10.0	77
27	964.4	24.3	2.6	20.3	78	23.8	CALM		10	19.5	23.8	23.1	21.1	25.5	18.3	7.2	2.2	185	1.1	9
28	964.3	25.2	2.0	22.2	84	26.8	C A L M		10	21.1	24.7	26.8	23.1	27.4	20.9	6.5	0.0	0	5.3	41
29	963.5	24.3	1.0	22.8	92	27.8	315	5.9	10	22.7	23.4	25.6	24.5	27.6	21.6	6.0	0.4	10	3.0	23
30	963.7	21.0	3.0	22.6	77	27.4	C A L M		8	23.2	26.0	27.4	23.0	29.1	23.0	6.1	0.8	40	8.9	69
31	967.5	25.6	2.6	21.8	80	26.1	100	3.0	7	22.7	24.8	25.3	22.7	27.1	21.6	5.5	1.4	45	5.3	41
Mean	962.0	23.9	1.6	21.6	86.4	25.6	...	5.4	9.4	21.7	23.5	24.2	22.5	26.0	20.6	4.8	490.4	13195	2.9	22.4
Average	964.2	24.8	2.3	20.8	79.2	24.6	...	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	+40.1 mbs	Amount of Rain	-170.0 mms
Temperature of the air	+ 1.6 C	Duration of Sunshine	+ 4.8 hrs
Vapour Pressure	+ 2.2 mbs	Meanof Maximum Temperatures	+ 2.6 °C
Relative Humidity	-1.2%	Meanof Minimum temperatures	+ 2.7 °C
Velocity of the wind	-2.0 m.p.s.	Absolute Maximum Temperature	+ 1.8° C
Amount of Cloud	-1.0	Absolute Minimum Temperature	+ 3.6° C

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF JANUARY, 1941

Month and Day 1941	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 Evap. Temp.	Temperature of the Dew Point	Temperature of the Dew Point: Excess above Average	Relative Humidity (Sat. = 100)	Relative Humidity: Excess above Average	Vapour Pressure	Minimum on the grass	Rainfall: Amount recorded by Dines	Rainfall: Pluviograph Duration	Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
JAN.	mbs	mbs	C	C	C	C	C	C	C	C	%	%	mbs	C	mms	min	mms	
1	1005.4	-1.1	31.0	23.3	7.7	26.6	+ 0.9	2.1	23.6	+ 2.4	84	+ 8	29.1	20.9	0.7	70	3.1	8.8
2	1005.5	-0.9	30.2	24.6	5.6	27.3	+1.6	2.3	24.0	+ 2.8	82	+ 6	29.8	23.0	0.6	50	4.9	9.7
3	1005.0	-1.3	26.2	21.7	4.5	24.0	-1.7	1.4	21.9	+ 0.7	88	+12	26.3	21.3	49.2	580	8.6	10.0
4	1001.9	-4.4	26.6	22.8	3.8	24.1	-1.7	0.7	23.1	+1.8	94	+17	28.3	21.8	75.0	520	6.7	10.0
5	997.4	-8.8	28.9	22.7	6.2	25.4	- 0.4	1.7	22.9	+ 1.4	86	+ 9	27.9	21.5	3.7	235	5.4	9.0
6	997.7	-8.5	28.9	23.1	5.8	24.7	- 1.1	1.5	22.5	+ 1.0	88	+11	27.3	21.0	13.0	245	6.5	8.6
7	1000.9	-5.2	28.6	22.1	6.5	25.1	- 0.7	2.2	21.9	+0.4	82	+ 4	26.3	20.0	0.0	...	5.0	7.0
8	1003.5	-2.5	29.0	22.3	6.7	25.0	- 0.8	3.0	20.4	- 1.2	76	- 2	24.0	20.0	0.0	...	6.4	7.0
9	1003.3	-2.6	29.7	23.3	6.4	26.0	+ 0.2	2.4	22.5	+ 0.9	81	+ 3	27.3	21.3	0.0	...	5.5	5.1
10	1001.8	-4.1	29.8	24.9	4.9	26.4	+ 0.5	1.3	24.5	+2.8	90	+12	30.8	23.4	4.2	220	5.0	7.9
11	1002.3	-3.5	28.3	24.8	3.5	26.3	+ 0.4	1.8	23.7	+1.8	86	+ 7	29.3	23.6	2.8	45	4.4	9.1
12	1002.7	-3.0	30.0	24.8	5.2	26.7	+ 0.8	2.2	23.5	+1.6	83	+ 4	29.0	23.4	0.3	20	5.3	7.9
13	1001.7	-3.9	29.0	24.0	5.0	25.8	- 0.1	1.5	23.6	+1.7	88	+ 9	29.1	22.8	11.1	260	6.5	8.6
14	1000.4	-5.1	27.9	23.5	4.4	25.4	-0.5	1.6	23.1	+1.2	87	+ 8	28.3	22.4	27.1	380	5.2	10.0
15	1000.4	-5.1	29.3	24.4	4.9	26.3	+ 0.4	1.5	24.1	+2.2	88	+ 9	30.0	23.4	9.7	225	2.8	9.3
16	1001.2	-4.2	28.6	25.0	3.6	26.4	+ 0.5	1.7	23.9	+1.9	86	+ 7	29.7	23.3	9.4	120	5.8	8.9
17	1001.0	-4.3	26.1	23.3	2.8	24.7	-1.2	0.9	23.4	+1.3	93	+14	28.8	22.2	35.2	355	2.8	10.0
18	1000.5	-4.7	28.3	22.2	6.1	24.9	- 1.0	1.2	23.2	+1.1	90	+11	28.4	22.2	30.2	510	4.1	9.9
19	1000.1	-5.0	27.3	23.3	4.0	25.1	- 0.9	2.3	21.7	-0.4	82	+ 2	26.0	21.2	2.7	295	5.3	10.0
20	999.8	-5,2	25.0	22.1	2.9	23.8	-2.2	1.5	21.6	-0.6	87	+ 7	25.8	21.0	17.0	555	0.6	10.0
21	997.7	-7.2	25.2	23.2	2.0	24.0	-2.0	1.4	21.9	-0.3	83	+ 3	26.3	21.2	12.5	495	2.7	10.0
22	998.7	-6.2	26.1	23.1	3.0	24.2	-1.8	1.3	22.3	+0.1	89	+ 9	27.0	21.3	8.7	530	0.4	10.0
23	1000.8	-4.0	27.1	23.7	3.4	25.0	-1.0	1.7	22.5	+0.3	86	+ 6	27.3	22.0	1.9	90	2.3	9.5
24	1001.4	-3.4	29.0	23.6	5.4	25.7	-0.3	2.4	22.2	-0.1	81	+ 1	26.8	21.8	0.6	55	4.3	8.2
25	1003.9	-0.9	30.0	21.1	8.9	25.5	-0.5	2.6	21.6	-0.7	79	- 1	25.8	17.8	0.0	...	6.3	3.2
26	1004.5	-0.2	30.0	20.9	9.1	24.9	-1.1	2.4	21.3	-1.0	80	0	25.3	17.4	0.0	...	7.1	3.8
27	1004.7	0.0	27.9	20.9	7.0	24.3	-1.7	2.1	21.1	-1.2	82	+ 2	25.0	18.2	0.1	20	5.9	7.1
28	1004.3	-0.3	30.1	23.1	7.0	26.2	+0.2	1.8	23.6	+1.3	86	+ 6	29.1	21.2	1.7	20	4.4	7.4
29	1003.2	-1.4	30.3	23.8	6.5	26.8	+0.9	1.4	24.8	+2.6	89	+ 9	31.3	20.9	0.0	...	4.0	8.1
30	1004.7	+0.1	31.2	25.3	5.9	27.1	+1.2	1.8	24.5	+2.3	86	+ 6	30.8	24.5	1.9	45	6.6	8.5
31	1008.3	+3.8	29.3	24.1	5.2	26.1	+0.2	2.5	22.4	+0.2	80	+ 0	27.1	22.4	1.1	15	4.0	8.2
Mean	1002.1	-3.3	28.6	23.3	5.3	25.5	-0.4	1.8	22.8	+0.9	85.2	+ 6.3	27.8	21.6	320.4	5955	4.8	8.4
Average	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, 1941

There were three tropical cyclones during the month. The first formed north of Rodrigues on 8th - 9th, moved west by south, recurved during 11th - 12th in longitude 53 E and moved east-south-easterly until the 14th. It then changed course again and moved very slowly south-south-west while filling up about 100 miles north-west of Mauritius. Its intensity was small throughout.

The second formed off the north-north-east coast of Madagascar on the 14th, moved south-south-west, recurved in the latitude of Ste Marie on the 16th and moved east-south-east. The centre passed about 50 miles to the north of Mauritius on the 21st and 100 miles south of Rodrigues on the 24th. On the 19th it was of moderate intensity but decreased progressively and had become a very weak disturbance by the 20th.

The third formed in the central area of the Mozambique Channel on the 27th, moved rapidly east-south-east across the southern part of Madagascar, reached the South Indian Ocean on the 28th and passed far south of Mauritius on the 29th. It was of moderate intensity.

The weather on the whole was particularly dull. The cloud amount was 135%, the duration of bright sunshine 54% and the duration of rainfall 304% of the normal value.

TABLE VII (Con't) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF JANUARY, 1941

Month and Day 1941	Duration of Bright Sunshine	Percentage of possible sunshine	Observed Wind Velocity: Mean	Observed Wind Velocity: Excess above Average	Temperature of the Soil: 10 ft	Temperature of the Soil: 5 ft	Temperature of the Soil: 2 ft	Temperature of the Soil: 12 in	WEATHER 0h 3h 6h 9h 12h 15h 18h 21h 24h
JAN.	hrs	%	m.p.s.	m.p.s.	°C	°C	°C	°C	
1	3.2	24	1.8	-1.5	24.1	25.9	28.2	27.8	bcr$_o$ cr$_o$ or$_o$ c or$_o$ o or$_o$
2	2.7	20	2.4	-0.9	24.2	25.9	28.0	28.1	cr$_o$ or$_o$ o ot o
3	0.1	1	3.1	-0.2	24.2	26.0	28.0	27.9	ORR orr o or$_o$ orr or$_o$
4	0.0	0	2.5	-0.8	24.2	26.0	27.8	27.4	or$_o$ o OR or$_o$r$_o$ o or$_o$r$_o$ ORR
5	7.0	53	2.8	-0.6	24.2	26.1	27.6	26.5	or$_o$r$_o$ or$_o$ o cq o c
6	2.0	15	2.3	-1.1	24.1	26.1	27.3	27.2	c orr cr$_o$ bcr$_o$
7	7.6	58	3.9	+0.5	24.1	26.1	27.4	27.4	bc c bc
8	3.9	30	4.4	+1.0	24.1	26.1	27.4	27.7	b bc c o oq$_o$ o
9	8.9	67	4.2	+0.8	24.2	26.1	27.4	27.6	b bc c bc
10	6.2	47	4.8	+1.4	24.2	26.1	27.4	27.8	bcr$_o$ bc cr$_o$ bc or$_o$ o
11	2.3	17	4.5	+1.1	24.2	26.1	27.5	28.1	or$_o$ o c cr$_o$ bc
12	7.7	58	3.6	+0.2	24.3	26.1	27.6	28.2	bcr$_o$ cr$_o$ c bc c
13	4.8	36	5.0	+1.6	24.2	26.1	27.7	28.6	bcr$_o$ cr$_o$ cq$_o$r$_o$ cq$_o$ or o
14	0.8	6	6.9	+3.5	24.2	26.1	27.8	28.2	oqorr or$_o$ oqor$_o$ oq$_o$r$_o$
15	5.9	45	6.8	+3.4	24.3	26.1	27.8	27.7	oq$_o$rr oq$_o$r$_o$ cq$_o$ oq$_o$ cq$_o$r$_o$
16	7.8	59	5.9	+2.5	24.2	26.3	27.7	28.0	cq$_o$r$_o$ cq$_o$r$_o$ cq$_o$ cq$_o$r$_o$ or$_o$ cr$_o$
17	0.0	0	4.0	+0.6	24.2	26.3	27.8	27.9	o or$_o$ or or$_o$ OR or$_o$
18	3.0	23	3.9	+0.5	24.3	26.3	27.7	27.4	o or$_o$ o or orr or$_o$r$_o$
19	0.0	0	6.0	+2.6	24.3	26.4	27.6	27.5	or$_o$ o oq$_o$ oq$_o$r$_o$r$_o$ or$_o$
20	0.0	0	6.6	+3.2	24.2	26.3	27.5	26.9	or$_o$r$_o$ oq$_o$r$_o$ oq$_o$r$_o$r$_o$ oq$_o$r$_o$ oq$_o$
21	0.0	0	9.2	+5.8	24.3	26.4	27.3	28.2	oq$_o$ oq$_o$r$_o$ oqr$_o$ oqr$_o$r$_o$ oq$_o$
22	1.2	9	7.9	+4.5	24.3	26.4	27.1	26.3	oq$_o$r$_o$ oq$_o$r$_o$r$_o$ oqr$_o$ oq$_o$ or$_o$ o
23	0.1	1	4.2	+0.8	24.1	26.3	26.9	26.4	or$_o$ o or$_o$ c
24	8.1	62	3.6	+0.2	24.3	26.3	26.8	26.6	c cr$_o$ c cr$_o$ c bc
25	10.4	79	1.8	-1.6	24.3	26.3	26.8	27.2	b$_o$ b bc b
26	10.0	77	1.8	-1.6	24.6	26.3	26.9	27.8	bc b c bc
27	6.4	49	1.6	-1.8	24.5	26.3	27.2	27.8	b$_o$ bc c or$_o$ o c bc
28	4.6	35	1.9	-1.5	24.4	26.2	27.3	27.9	b$_o$ bc c bcr$_o$ cr$_o$ bc b
29	5.8	45	3.3	-0.1	24.3	26.3	27.4	28.1	bc c bc c
30	4.9	38	2.6	-0.8	24.5	26.3	27.5	28.4	c bc bcr$_o$ cr$_o$ o bc c
31	5.3	41	3.8	+0.4	24.5	26.3	27.6	28.5	o c bc bcr$_o$ bc cl c
Mean	4.21	32.1	4.10	+0.71	24.26	26.19	27.48	27.65	
Average	7.73	58.8	3.39	...	24.84	26.36	28.02	27.51	
Column	19	20	21	22	23	24	25	26	27

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JANUARY, 1941

Element	Highest	hrs	Date	Lowest	Date
Atmospheric Pressure	1010.6 mbs at	22.00 hrs	on 31st	995.0 mbs at 15.00 hrs	on 5th
Temperature of the air	31.28°C at	10.45 hrs	on 30th	20.90°C at 4.45	on 26th
Daily range of temperature of the Air	9.10°C		on 26th	2.00°C on 21st 5.00	on 27th
Temperature of the Dew Point	26.0°C at	11.00 hrs	on 30th	19.3°C at 5.hrs	on 26th
Minimum on grass				17.4°C	on 26th
Relative Humidity	97.8% at	4.00 hrs	on 20th	65.0% at 12.00 on	8th
Vapour Pressure	33.6 mbs at	11 hrs	on 30th	22.4 mbs at 5.00 on	26th
Evaporation in 24 hours	8.6 mms on 3rd			0.4 mm	on 22nd
Wind Velocity	11.2 m.p.s. at 18.00 hrs		on 21st	0.6 m.p.s, often	
Rainfall in 24 hours	78.4 mms ending 6.00 hrs		on 5th		
Duration of Sunshine	19.4 hrs		on 25th	0.0 hr often	

Mean Day Temperature of Air 26.60°C Average 27.74°C Mean Night Temperature of Air 24.37°C Average 23.98°C

number of days of -

	Mean Cloud Amount: 1 - 3	4 - 6	7 - 9	10	Rainfall: 0.1 - 0.9	1.0 - 4.9	5.0 - 9.9	10.0 - 24.9	25.0 and over	Lightning	Thunderstorm
...	1	2	18	10	5	8	3	4	5	1	...

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

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

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	061	063	049	046	997	981	000	029	048	029	020	035	030	015	002	017	Midnight
1	051	059	044	041	990	980	994	022	040	021	011	027	020	008	997	006	1
2	049	051	041	031	982	969	991	020	035	017	006	020	017	003	994	001	2
3	046	048	049	023	978	962	989	019	029	010	003	020	011	000	991	000	3
4	044	042	051	021	970	964	989	019	030	011	003	023	014	001	992	000	4
5	046	044	048	023	971	970	996	022	035	013	015	024	017	006	000	003	5
6	052	051	049	028	979	978	002	030	043	020	020	029	021	011	003	010	6
7	057	058	050	030	981	982	010	041	044	028	028	036	026	013	007	020	7
8	060	061	056	033	980	984	011	041	044	027	028	039	029	013	010	021	8
9	061	060	060	041	979	985	015	040	042	026	028	037	026	011	011	020	9
10	060	060	059	039	979	982	014	036	041	027	027	031	025	011	010	020	10
11	060	060	053	029	974	980	011	036	040	026	030	026	020	006	009	018	11
Noon	054	061	050	021	970	971	011	034	035	021	029	023	013	001	003	013	Noon
13	053	058	043	013	961	968	009	036	025	016	021	021	011	996	001	010	13
14	050	051	043	009	955	963	006	036	021	010	018	018	010	996	999	003	14
15	046	048	042	001	950	960	003	032	020	005	012	016	006	992	996	000	15
16	041	046	045	998	951	960	005	031	019	002	013	016	001	987	993	000	16
17	045	050	045	000	958	961	009	031	018	003	016	021	003	991	993	004	17
18	051	051	049	004	965	971	012	035	021	010	024	025	011	999	999	007	18
19	056	056	051	006	976	981	021	040	026	019	032	030	015	002	007	017	19
20	060	060	052	004	980	991	026	049	033	026	036	034	019	007	012	021	20
21	063	058	054	006	980	997	028	051	039	025	034	034	020	010	014	026	21
22	067	061	056	016	986	001	031	054	039	022	041	037	020	010	019	028	22
23	068	060	056	008	987	001	030	051	035	027	039	034	020	009	019	029	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	018	016	009	006	001	975	013	011	032	052	053	059	044	040	073	027	Mid-night
1	010	010	001	001	994	972	006	003	030	047	047	051	040	037	070	020	1
2	003	001	998	996	989	968	000	001	028	041	041	047	032	031	063	015	2
3	001	994	991	989	978	962	001	001	027	040	041	043	026	030	061	012	3
4	001	992	991	989	976	964	997	000	028	040	041	040	023	031	067	011	4
5	010	001	997	993	982	970	001	002	033	040	043	038	026	032	070	015	5
6	012	009	002	003	981	974	007	010	040	042	046	041	030	038	073	020	6
7	020	013	009	009	991	987	010	017	048	048	050	050	032	042	081	026	7
8	022	015	010	008	991	990	015	019	049	048	053	050	040	046	084	028	8
9	021	015	011	006	990	990	017	020	047	050	053	050	041	046	089	029	9
10	017	012	015	006	986	991	016	021	045	050	053	050	041	045	089	028	10
11	012	006	010	004	980	991	016	020	041	048	051	050	040	042	086	025	11
Noon	010	000	004	001	974	990	011	013	040	045	049	045	033	040	083	021	Noon
13	002	997	999	996	970	985	006	008	039	041	046	041	031	041	081	017	13
14	000	991	991	991	967	984	002	001	035	040	041	037	027	041	080	013	14
15	000	990	990	988	961	980	998	000	032	033	036	031	022	041	079	010	15
16	001	989	987	982	952	980	997	002	030	031	031	028	021	040	078	008	16
17	000	992	992	986	954	983	000	007	031	032	033	031	021	044	079	011	17
18	003	000	998	990	958	987	004	013	033	038	040	030	023	050	085	016	18
19	009	006	000	993	969	999	009	024	042	043	046	034	029	060	091	022	19
20	017	010	003	999	971	008	012	030	045	050	051	041	033	069	099	027	20
21	020	020	009	001	976	010	013	032	050	055	053	045	037	073	105	030	21
22	020	019	011	008	979	012	016	038	056	058	061	050	041	076	106	034	22
23	019	014	009	002	979	014	017	040	056	057	060	050	041	075	105	033	23

TABLE IX - AMOUNT OF CLOUD AT EVERY HOUR OF THE DAY (0 = CLEAR SKY, 10 = OVERCAST SKY)

Hour \ Day	JANUARY, 1941																															
	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	Mean
Midnight	6	10	10	10	10	8	9	2	3	3	10	7	7	10	10	10	10	10	10	10	10	10	10	9	0	2	0	10	9	9	10	7.9
1	6	10	10	10	10	8	8	2	2	4	10	7	7	10	10	10	10	10	10	10	10	10	10	9	0	3	0	10	9	9	10	7.9
2	4	9	10	10	10	10	8	8	0	2	2	10	7	5	10	10	10	10	10	10	10	10	10	9	0	4	0	10	5	9	10	7.5
3	4	9	10	10	10	8	3	0	1	3	10	7	3	10	10	6	10	10	10	10	10	10	10	9	0	4	0	10	8	10	10	7.3
4	4	9	10	10	10	8	3	0	1	6	10	9	3	10	10	8	10	10	10	10	10	10	10	10	0	3	0	9	8	8	10	7.4
5	4	9	10	10	10	8	10	3	2	6	10	9	10	10	10	8	10	10	10	10	10	10	10	10	3	3	10	8	10	8	10	8.6
6	10	9	10	10	10	8	10	4	2	8	10	8	10	10	10	6	10	10	10	10	10	10	10	10	3	4	10	6	10	8	10	8.6
7	10	9	10	10	10	8	10	5	2	8	10	8	10	10	10	8	10	10	10	10	10	10	10	10	3	3	10	7	9	8	10	8.6
8	10	10	10	10	10	9	10	7	6	9	10	9	9	10	9	9	10	9	10	10	10	10	10	9	3	2	10	8	9	7	9	8.8
9	10	10	10	10	9	9	9	9	9	9	10	9	9	10	9	10	10	9	10	10	10	10	9	9	3	1	9	9	9	7	9	8.9
10	8	10	10	10	9	9	9	9	9	9	10	9	9	10	9	10	8	10	9	10	10	10	9	9	6	1	10	9	10	7	5	8.8
11	9	10	10	10	9	9	7	9	9	9	10	8	9	10	9	9	10	10	10	10	10	10	10	9	6	2	10	10	6	7	6	8.8
Noon	10	10	10	10	9	10	7	8	9	9	10	8	9	10	9	10	10	10	10	10	10	10	10	9	7	2	10	6	5	8	6	8.7
13	10	10	10	10	8	10	6	10	7	6	10	7	8	10	10	9	10	10	10	10	10	10	10	9	6	3	10	10	7	9	7	8.8
14	10	10	10	10	8	10	6	10	7	10	6	10	7	8	10	10	10	10	10	10	10	10	8	5	3	10	7	8	7	9	7	8.7
15	10	10	10	10	8	10	6	10	6	9	9	7	10	10	9	10	10	10	10	10	10	10	10	9	5	4	10	6	7	10	8	8.8
16	10	10	10	10	8	10	7	10	6	10	9	8	10	10	8	10	10	10	10	10	10	10	9	8	6	6	9	8	8	10	7	8.9
17	9	10	10	10	8	10	8	10	6	10	9	8	10	10	8	10	10	10	10	10	10	10	9	8	6	9	9	10	8	10	6	9.1
18	9	10	10	10	9	10	7	10	7	10	8	8	10	10	9	10	9	10	10	10	10	10	9	8	6	9	9	10	8	10	8	9.1
19	10	10	10	10	9	10	9	10	7	10	10	8	10	10	10	10	10	10	10	10	10	10	9	8	4	8	7	8	8	8	7	9.0
20	10	10	10	10	9	10	6	10	7	10	8	8	10	10	10	8	10	10	10	10	10	10	9	6	1	7	5	4	7	5	8	8.3
21	10	10	10	10	8	5	6	10	4	10	6	8	9	10	6	8	10	10	10	10	10	10	8	5	1	5	6	1	9	9	9	7.8
22	10	10	10	10	8	6	4	10	4	10	6	8	10	10	10	8	10	10	10	10	10	10	9	5	1	3	6	1	9	9	9	7.9
23	10	10	10	10	8	5	4	10	4	10	6	8	10	10	9	8	10	10	10	10	10	10	9	5	1	1	6	1	9	9	8	7.8

TABLE X - DURATION OF BRIGHT SUNSHINE AT EVERY HOUR OF THE DAY AS RECORDED BY THE CAMPBELL-STROKES SUNSHINE RECORDER

Hour Ending \ Day	JANUARY, 1941																															
	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	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	0	0	0	0	0	0.0
7h	0	10	0	0	21	1	22	8	55	14	2	0	0	0	0	7	0	15	0	0	0	0	1	1	60	60	31	20	20	6	0	5.9
8	0	49	0	0	24	10	42	14	37	11	2	14	7	0	2	29	0	37	0	0	0	0	1	25	60	60	10	34	1	60	15	9.4
9	40	55	3	0	0	30	20	2	27	19	3	57	49	0	35	55	0	40	0	0	0	0	0	51	60	60	45	20	1	60	17	12.5
10	42	14	2	0	42	24	16	4	42	43	9	53	49	3	10	34	0	24	0	0	0	0	1	17	57	60	60	16	5	51	35	11.9
11	60	31	0	0	60	28	60	23	17	47	12	60	60	0	60	60	0	0	0	0	0	0	0	45	54	60	60	14	21	55	60	15.8
Noon	50	1	0	0	51	26	51	56	37	21	14	60	56	0	36	55	0	0	0	0	0	0	0	40	53	60	60	36	58	1	60	14.7
13	0	0	0	0	60	0	53	27	41	55	2	60	31	10	10	48	0	8	0	0	0	0	0	57	32	60	60	0	60	0	4	11.3
14	0	0	0	0	53	0	50	0	60	55	9	60	21	3	6	60	0	36	0	0	0	0	0	60	56	32	18	30	60	0	4	11.2
15	0	0	0	0	38	0	60	0	54	50	13	60	9	0	46	17	0	0	0	0	0	6	0	60	60	50	15	55	60	0	13	11.1
16	0	0	0	3	33	0	54	15	52	33	3	40	3	0	58	43	0	0	0	0	0	50	0	60	60	56	23	42	27	18	32	11.7
17	0	0	0	0	38	0	29	54	54	22	33	0	0	30	54	50	0	0	0	0	0	18	0	60	54	9	0	5	30	14	55	10.2
18	0	0	0	0	0	0	0	33	44	0	37	0	0	0	35	10	0	0	0	0	0	0	0	10	4	18	0	2	5	20	21	4.0
19	0	0	0	0	0	0	0	00	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	7	0	0.4

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

JANUARY, 1941

Day / Hour	1		2		3		4		5		6		7		8		Day / Hour
	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	
Midnight	24.7	1.2	25.6	0.9	25.4	1.2	23.2	0.6	22.8	0.6	24.2	0.9	23.2	0.6	24.1	2.0	Midnight
1	24.8	1.1	25.6	0.8	25.5	1.1	23.6	0.7	22.8	0.6	24.1	0.9	23.0	0.8	23.7	1.9	1
2	24.4	1.2	25.4	0.7	25.3	1.0	23.4	0.7	22.7	0.6	24.0	0.9	22.4	0.6	23.3	1.8	2
3	23.7	1.4	24.9	1.5	23.1	0.9	23.2	0.6	22.9	0.7	23.7	0.8	22.1	0.9	22.7	1.7	3
4	23.5	1.2	25.0	1.0	23.4	0.7	23.3	0.6	22.9	0.7	23.4	1.0	22.1	0.8	22.5	1.5	4
5	23.6	0.9	24.9	0.9	22.7	0.7	23.6	0.6	23.2	0.5	23.2	1.0	22.9	0.9	23.0	2.0	5
6	24.2	1.1	25.0	0.9	22.6	0.8	23.9	0.8	23.2	0.4	23.4	1.0	23.1	0.6	23.3	2.0	6
7	26.0	1.8	26.5	1.2	22.9	0.9	23.9	0.9	23.8	0.7	24.8	1.1	25.0	1.4	24.7	2.6	7
8	26.7	1.8	27.7	2.4	23.9	2.1	23.4	0.8	24.9	1.0	26.0	2.1	26.1	2.1	25.7	3.4	8
9	29.2	3.2	29.0	3.1	25.5	2.8	23.0	0.3	25.2	1.9	27.1	2.8	26.0	2.3	26.0	4.0	9
10	30.1	3.9	29.8	3.7	25.8	3.0	23.4	0.4	26.3	2.1	27.7	3.4	26.7	3.0	26.9	4.3	10
11	30.3	3.7	29.3	3.4	25.3	2.3	24.3	0.3	27.3	2.3	27.3	3.1	27.7	3.7	27.2	4.1	11
Noon	30.8	4.6	29.7	3.7	25.0	2.8	25.4	0.7	27.6	2.6	27.6	3.5	27.3	3.4	28.2	4.8	Noon
13	28.0	3.2	29.2	3.5	26.0	3.1	25.9	1.7	28.1	2.4	26.1	2.1	28.2	3.9	27.0	4.3	13
14	27.6	2.7	29.1	3.1	26.0	2.9	26.0	1.7	28.2	3.1	24.1	1.0	27.1	3.3	26.3	3.6	14
15	27.7	2.7	29.8	4.4	25.3	2.1	26.2	1.5	27.7	3.1	23.6	0.8	27.3	3.4	26.0	3.9	15
16	28.1	2.7	29.5	3.6	23.9	1.0	26.0	1.2	28.3	3.5	24.0	1.0	26.7	3.2	26.6	4.3	16
17	28.3	3.1	28.9	3.8	22.2	0.5	24.5	0.7	27.5	3.2	25.0	1.3	26.1	2.9	26.2	4.7	17
18	28.1	2.8	28.1	2.9	23.0	0.9	24.1	0.6	26.3	2.4	24.9	1.8	25.9	2.9	25.9	4.3	18
19	27.0	2.4	27.3	2.4	23.1	0.9	24.1	0.7	25.9	2.2	24.1	1.0	25.1	2.1	24.9	3.6	19
20	25.7	2.1	26.4	2.0	23.2	0.9	24.4	0.6	25.5	1.7	23.9	1.1	25.0	2.4	24.5	2.5	20
21	25.6	1.6	26.0	1.7	22.7	0.8	24.2	0.6	25.1	1.4	23.6	1.3	24.7	2.3	24.2	2.2	21
22	25.3	1.1	25.7	1.5	23.1	0.9	23.1	0.4	25.0	1.3	23.1	0.9	24.3	2.1	24.1	2.1	22
23	25.6	1.1	25.8	1.5	23.1	1.0	22.9	0.5	24.5	1.1	23.2	0.9	24.2	2.1	24.0	1.9	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	24.0	1.9	25.2	1.1	26.0	1.4	25.1	1.0	25.1	1.1	25.3	1.5	24.9	0.9	25.8	0.9	Midnight
1	24.0	1.9	24.9	0.8	25.1	1.0	25.2	1.0	25.1	1.1	24.1	0.9	25.1	1.0	25.9	1.2	1
2	24.0	1.9	25.0	0.9	25.5	1.2	25.1	1.0	25.0	0.9	23.9	0.9	25.1	0.9	25.8	1.2	2
3	23.8	1.7	25.0	0.9	25.4	1.3	25.3	1.2	24.9	0.9	24.0	0.8	24.6	0.5	25.8	1.5	3
4	23.8	1.6	25.0	0.9	25.2	1.1	24.9	1.2	24.6	0.9	24.3	1.2	25.0	0.9	25.7	1.6	4
5	23.7	1.6	25.1	0.9	25.6	1.5	25.1	1.0	24.9	0.9	24.9	1.8	25.3	1.2	25.3	1.1	5
6	23.9	1.7	25.2	0.9	25.3	1.1	25.2	1.0	24.9	0.9	24.9	1.8	25.3	1.2	25.3	1.1	6
7	25.7	2.5	25.9	1.0	26.0	1.1	25.7	1.3	24.7	0.9	25.3	2.1	25.3	1.3	25.9	1.6	7
8	25.8	2.1	26.6	1.3	26.4	1.4	26.6	1.8	25.5	0.6	25.8	2.3	25.6	1.0	26.6	1.7	8
9	26.1	2.0	26.5	1.1	26.6	1.6	27.6	2.6	26.9	1.9	26.1	2.2	26.8	1.8	27.8	2.7	9
10	27.4	3.1	26.8	1.0	27.7	2.6	28.3	3.0	27.6	2.6	26.9	3.0	27.1	2.0	26.2	2.0	10
11	27.2	3.0	28.2	2.1	28.1	2.9	29.1	3.8	28.0	3.3	26.8	2.8	28.0	2.7	27.9	2.6	11
Noon	28.2	3.4	28.0	1.9	28.3	3.2	29.1	3.8	28.5	3.4	27.0	2.7	27.7	2.7	28.3	3.1	Noon
13	28.3	3.4	29.0	2.9	27.7	2.7	29.3	3.6	28.3	3.1	27.8	2.8	27.6	2.3	27.3	2.2	13
14	28.2	3.4	29.1	3.1	27.8	2.8	29.4	4.2	27.9	3.1	26.3	2.1	27.3	2.1	28.1	2.9	14
15	28.0	3.4	28.2	2.3	27.2	2.3	29.2	3.7	26.4	1.7	25.6	1.3	28.0	2.5	26.7	1.7	15
16	28.0	3.8	27.1	1.3	27.2	2.4	28.3	3.7	26.1	1.8	25.0	0.9	27.7	2.3	27.1	2.1	16
17	27.9	3.8	27.0	1.4	27.2	2.4	27.6	3.0	25.3	0.8	25.2	1.3	27.2	2.0	26.9	2.0	17
18	26.9	2.9	26.5	1.2	26.8	2.4	27.0	2.7	24.8	0.8	24.7	0.8	26.6	1.6	26.5	1.7	18
19	26.0	2.1	26.0	0.9	25.9	1.6	26.5	2.0	24.7	0.9	25.1	1.0	26.1	1.1	26.0	1.6	19
20	25.1	1.1	25.9	1.0	25.0	1.0	25.9	1.8	25.0	0.9	25.0	1.3	26.0	1.1	26.0	1.6	20
21	25.2	1.1	26.0	1.3	24.8	0.9	25.6	1.6	25.1	1.1	25.1	1.0	26.0	1.2	25.8	1.4	21
22	25.1	1.1	26.1	1.0	25.0	0.9	25.3	1.3	25.1	1.3	25.1	1.0	26.0	1.2	25.8	1.5	22
23	25.1	1.1	26.0	1.4	25.0	1.0	25.1	1.2	25.1	1.3	24.9	0.9	25.7	0.9	25.8	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)

JANUARY, 1941

Hour \ Day	17 Air	17 Excess of air over Evap.	18 Air	18 Excess of Air over Evap.	19 Air	19 Excess of Air over Evap.	20 Air	20 Excess of Air over Evap.	21 Air	21 Excess of Air over Evap.	22 Air	22 Excess of Air over Evap.	23 Air	23 Excess of Air over Evap.	24 Air	24 Excess of Air over Evap.	Hour
Midnight	25.4	1.2	24.0	0.8	23.3	0.5	24.3	1.7	24.3	2.0	23.9	1.1	24.3	1.6	24.5	1.5	Midnight
1	25,4	1.2	24.0	0.7	24.3	1.0	23.3	0.6	24.1	2.0	23.7	1.1	24.0	1.4	24.7	1.7	
2	25.5	1.4	23.9	0.8	24.7	1.4	23.3	0.6	24.0	2.3	23.8	1.1	24.1	1.6	24.7	1.8	2
3	25.3	1.2	23.8	0.8	24.6	1.5	23.7	0.7	24.0	2.5	23.9	1.1	24.0	1.4	24.5	1.5	3
4	25.4	1.3	23.8	0.9	24.8	1.7	22.3	0.2	24.0	2.1	23.7	1.1	24.1	1.7	24.2	1.3	4
5	25.2	1.1	23.9	0.9	24.9	2.1	23.3	0.6	23.4	1.6	23.3	1.0	24.1	1.6	24.0	1.1	5
6	25.1	1.1	24.0	0.9	25.0	2.2	23.5	0.8	23.3	1.3	23.2	0.9	24.1	1.6	24.1	1.2	6
7	25.2	1.1	25.0	1.1	25.1	2.0	24.0	1.2	24.8	2.7	23.1	0.8	24.7	1.7	24.9	1.8	7
8	24.4	0.5	26.0	1.4	25.6	2.3	24.0	1.4	24.2	1.4	23.5	1.0	25.0	1.8	25.9	2.3	8
9	25.1	1.0	26.4	1.5	26.0	2.3	23.6	1.6	24.1	1.1	23.9	1.0	25.5	2.0	26.8	2.8	9
10	25.0	0.9	25.0	0.9	26.1	2.4	23.9	2.1	24.9	1.8	24.0	0.9	26.3	2.4	27.1	2.6	10
11	25.1	1.1	26.2	1.5	26.6	3.1	24.0	0.8	24.1	1.1	24.0	0.9	26.9	3.1	26.2	2.1	11
Noon	25.3	1.0	26.2	1.4	26.9	3.6	23.4	0.5	24.7	2.0	24.6	1.3	25.1	1.1	27.9	2.9	Noon
13	25.8	0.9	27.0	2.1	26.8	3.2	24.0	1.1	24.1	0.9	25.0	1.8	25.3	1.3	28.6	3.8	13
14	26.0	1.1	27.7	2.6	26.4	3.2	25.0	1.8	23.8	0.6	25.1	1.8	25.6	1.8	28.5	3.8	14
15	24.4	0.4	27.0	2.7	26.0	2.9	23.9	1.0	23.8	0.7	25.0	1.2	26.3	2.2	28.7	4.3	15
16	23.7	0.1	26.8	2.2	25.2	2.2	24.0	1.4	24.0	1.0	25.9	2.0	26.1	2.1	27.9	3.8	16
17	23.5	0.6	25.2	1.5	24.5	1.5	24.0	2.7	23.7	0.7	25.2	1.9	25.6	1.9	27.1	3.5	17
18	23.9	1.0	24.1	0.8	24.1	1.1	24.0	2.1	23.6	0.6	25.0	1.9	25.2	1.4	26.0	2.9	18
19	23.7	1.1	23.7	0.6	23.7	2.4	24.2	2.8	23.7	0.7	24.1	1.1	25.0	1.8	25.1	2.4	19
20	24.0	1.0	23.8	0.7	24.2	2.2	24.1	2.2	24.0	1.0	24.1	1.2	25.0	1.9	24.6	2.2	20
21	24.0	0.7	23.0	0.3	24.1	3.1	24.0	3.0	23.5	0.9	24.3	1.5	24.6	1.4	24.2	2.1	21
22	24.0	0.7	23.0	0.6	24.3	3.2	24.1	2.6	24.1	1.1	24.1	1.4	24.5	1.4	24.0	2.0	22
23	23.9	0.7	23.7	0.9	24.7	3.0	24.3	2.2	24.0	1.1	24.2	1.5	24.3	1.2	23.8	1.6	23

Hour \ Day	25 Air	25 Excess of air over Evap.	26 Air	26 Excess of air over Evap.	27 Air	27 Excess of air over Evap.	28 Air	28 Excess of air over Evap.	29 Air	29 Excess of air over Evap.	30 Air	30 Excess of air over Evap.	31 Air	31 Excess of air over Evap.	Mean Air	Mean Excess of air over Evap.	Hour
Midnight	23.7	1.6	22.2	1.1	22.0	1.3	23.9	1.7	24.6	0.6	26.3	0.9	25.3	2.0	24.4	1.2	Midnight
1	23.3	1.6	21.9	1.2	21.8	1.3	24.0	1.7	24.3	0.6	26.3	0.8	25.1	2.2	24.3	1.2	
2	23.0	1.7	21.7	1.4	21.3	1.1	24.0	1.8	24.0	0.8	26.2	0.7	25.0	2.0	24.2	1.2	2
3	22.7	1.6	22.0	1.2	21.2	1.1	23.9	1.6	24.0	0.7	26.2	0.8	25.1	2.3	24.0	1.2	3
4	22.3	1.2	21.2	1.1	21.1	1.1	23.8	1.7	23.9	0.8	26.2	0.6	25.0	1.9	23.9	1.2	4
5	22.0	1.3	20.9	1.0	20.9	1.0	23.3	1.2	24.0	0.6	26.1	0.5	24.2	1.5	23.9	1.1	5
6	21.1	1.0	21.1	1.1	21.3	1.1	23.1	1.1	24.1	0.6	26.1	0.8	24.2	1.7	23.9	1.1	6
7	24.0	1.2	23.6	1.7	23.7	1.6	24.6	1.4	25.3	0.4	26.3	1.2	25.0	2.1	24.9	1.4	7
8	25.7	2.7	25.7	2.5	24.9	2.5	26.0	1.8	26.4	0.5	27.7	1.7	25.9	2.4	25.6	1.7	8
9	27.2	4.2	27.7	3.6	26.9	3.7	27.1	2.2	27.3	1.3	28.8	2.5	27.1	3.1	26.4	2.3	9
10	28.2	4.5	28.2	3.5	27.0	3.7	28.2	2.5	28.1	1.6	29.2	3.0	27.9	3.8	26.9	2.5	10
11	28.8	3.9	30.0	4.2	26.9	2.8	28.7	2.7	28.8	2.0	29.4	2.4	28.6	3.6	27.3	2.6	11
Noon	29.3	3.6	29.4	3.7	25.4	1.6	29.8	3.3	29.4	1.9	28.5	2.3	28.7	4.0	27.5	2.8	Noon
13	28.9	4.2	29.1	4.5	25.7	2.1	28.6	2.3	29.9	2.8	28.1	1.9	27.5	3.4	27.4	2.7	13
14	29.7	3.9	28.2	4.2	26.6	2.7	29.1	2.6	30.0	2.9	28.1	1.1	27.8	2.8	27.3	2.7	14
15	29.7	4.4	29.2	4.7	26.8	3.3	29.4	2.6	30.0	3.0	28.1	1.6	27.7	3.2	27.1	2.6	15
16	29.3	5.1	28.1	3.8	27.0	3.4	29.0	2.7	29.0	2.4	28.4	1.4	27.1	3.1	26.8	2.4	16
17	28.6	4.9	26.0	2.8	26.1	3.0	26.3	1.2	28.3	2.1	28.2	3.5	27.1	3.0	26.2	2.3	17
18	27.4	3.9	25.4	2.4	25.9	2.9	27.0	1.2	27.7	1.7	27.3	3.4	26.2	2.4	25.8	2.0	18
19	25.3	2.3	24.5	2.2	24.9	2.4	26.9	1.4	27.1	1.3	26.5	2.8	25.1	2.0	25.2	1.7	19
20	24.1	1.3	23.7	1.6	24.1	1.6	26.1	1.0	27.0	1.3	26.0	2.6	25.0	2.2	24.9	1.5	20
21	23.3	1.3	23.0	1.4	24.0	1.8	25.3	1.0	26.7	1.1	25.8	2.6	25.5	2.1	24.7	1.5	21
22	23.2	1.3	22.8	1.7	23.3	1.2	25.1	0.9	26.6	1.0	25.8	2.5	25.2	1.5	24.6	1.4	22
23	22.6	1.0	22.2	1.1	23.7	1.6	24.4	0.7	26.3	0.8	25.7	2.4	25.1	1.8	24.5	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, 1941

The directions are given in points and the values indicate the direction from which the wind blows counting North (0), East (8), South(16) and West (24)
The velocities are given in metres per second using factor 2.2
(The days on which the Normal Trade Winds are interrupted are indicated by an asterisk*)

JANUARY, 1941

Hour \ Day	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Mid-night	30	1.1	07	0.8	09	2.4	08	3.6	28	0.7	21	1.1	13	0.8	11	4.7	10	4.4	11	3.1	08	6.2	07	2.4	10	3.3	08	5.6	09	8.3	08	5.3
1	30	0.7	12	0.9	09	1.4	08	3.1	28	0.7	21	1.1	13	0.9	11	3.5	10	4.4	10	3.2	07	5.5	07	2.2	10	2.8	09	5.6	08	7.8	08	6.0
2	29	1.1	12	1.1	09	2.0	08	2.7	01	1.1	14	1.1	13	0.7	11	2.9	10	4.1	10	3.0	08	5.4	07	3.0	10	3.1	09	6.4	09	7.2	08	5.3
3	31	1.1	05	1.0r	31	3.3	08	1.7	01	017	14	1.1	13	1.1	11	1.9	11	3.1	10	3.4	08	5.2	08	3.3	10	2.7	09	6.1	08	7.5	08	5.8
4	31	0.6	07	1.7	31	3.1	08	1.8	30	1.1	14	1.1	13	1.1	11	1.8	11	3.3	10	3.4	09	5.6	06	2.9	10	3.1	09	5.5	08	6.8	08	6.2
5	31	0.7	07	1.6	31	1.3	08	1.5	25	1.7	12	1.0	13	1.2	11	1.8	11	2.9	11	3.8	08	5.5	07	2.7	10	3.0	09	5.6	07	6.3	08	5.7
6	32	1.9	07	1.0	31	1.8	08	1.8	23	1.3	12	1.1	15	0.8	11	2.4	12	2.5	10	3.9	08	4.2	07	2.3	09	2.5	09	6.0	07	7.6	08	5.6
7	31	2.8	06	1.9	09	1.6	08	1.8	23	1.2	12	1.2	15	1.8	10	3.3	11	3.5	10	3.7	07	4.2	07	3.2	08	4.4	09	5.9	08	6.6	07	5.0
8	30	3.2	02	3.9	09	2.4	07	3.0	20	3.4	10	2.8	12	4.4	11	4.9	11	5.0	09	4.4	08	5.3	07	3.3	08	3.3	09	6.2	07	6.5	07	5.9
9	30	3.6	02	4.0	09	3.9	32	1.9	20	4.0	10	3.8	12	4.5	12	5.3	11	4.5	10	4.5	09	4.8	08	3.1	07	6.0	09	6.6	05	7.4	08	7.1
10	28	4.7	03	4.3	09	5.3	04	1.3	20	4.9	11	4.1	10	5.6	11	4.4	10	4.9	10	4.7	07	5.4	06	3.4	08	6.4	09	8.4	07	7.8	08	5.3
11	30	3.9	02	4.1	09	4.9	03	2.2	22	5.6	10	5.0	11	5.8	12	4.7	11	5.4	08	5.3	08	5.3	08	3.7	07	6.7	08	7.0	05	7.3	08	6.9
Noon	28	4.4	32	4.3	09	4.6	01	4.7	20	5.3	11	5.8	12	5.8	10	5.4	12	5.3	08	5.3	08	5.0	06	4.4	08	7.2	09	7.5	07	7.8	09	7.2
13	22	1.4	01	4.3	08	5.5	02	3.8	20	5.3	12	4.9	12	6.6	10	6.4	12	5.9	09	5.5	06	5.0	07	4.2	08	7.2	09	8.9	07	6.8	08	6.1
14	21	1.5	01	3.6	08	4.6	04	3.6	20	4.9	12	3.7	12	5.7	11	7.0	12	6.2	09	5.3	06	5.0	07	5.0	09	6.9	08	8.0	05	6.6	08	6.7
15	21	1.1	31	3.8	08	3.9	04	3.3	20	5.3	11	2.8	11	5.7	10	5.8	12	5.0	10	5.2	06	4.7	07	4.8	09	7.2	09	6.9	07	7.1	08	5.6
16	21	0.7	02	3.5	03	2.9	04	3.1	20	4.4	11	3.6	12	5.4	11	6.5	12	5.0	10	4.4	08	4.7	08	4.1	08	6.3	08	7.9	05	6.4	07	6.6
17	23	0.8	03	1.8	06	2.2	02	4.2	21	3.8	16	3.1	11	5.3	12	7.1	10	4.1	09	4.6	09	4.5	08	3.7	11	4.7	09	7.2	06	6.4	07	6.5
18	29	0.7	03	1.7	07	2.6	03	1.7	20	2.9	14	2.3	12	4.8	11	5.2	12	3.7	09	4.4	09	4.4	09	4.2	09	5.8	08	7.3	07	5.9	08	5.6
19	01	1.0	03	1.3	08	2.3	04	1.8	21	2.4	13	1.1	10	3.5	11	4.2	10	3.2	09	5.9	05	2.7	09	3.6	10	4.4	09	7.2	08	6.2	09	5.7
20	06	1.7	11	1.4	08	2.3	04	3.1	21	1.6	13	1.1	11	5.3	11	4.2	12	4.0	08	6.0	06	3.1	11	4.0	09	5.4	08	6.7	08	6.3	09	5.4
21	06	1.6	12	0.6	07	3.2	04	2.0	21	1.4	13	0.7	11	4.9	11	4.3	10	3.1	08	6.7	07	3.0	10	4.0	09	5.9	09	7.1	08	6.5	09	5.2
22	07	0.9	12	2.7	07	2.6	29	3.3	21	1.1	13	1.1	11	4.7	11	4.2	10	3.7	08	6.9	07	3.0	09	4.2	09	5.8	08	7.4	07	6.5	09	5.8
23	07	1.1	12	1.2	08	3.0	28	0.8	21	1.1	13	1.1	11	4.5	10	4.7	11	3.7	08	6.5	08	2.7	10	3.6	10	6.1	08	8.3	08	6.1	09	5.1

Hour \ Day	17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		Mean
	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Velo-city
Mid-night	09	5.9	07	2.6	05	3.3	09	6.1	09	7.3	09	8.0	11	6.4	12	3.9	14	1.2	11	1.5	11	1.4	09	1.1	21	0.7	26	3.5	13	1.3	3.5
1	09	5.4	08	3.3	08	5.0	08	7.1	09	7.5	10	8.3	11	6.0	13	3.9	14	1.9	11	1.3	11	1.3	10	1.4	21	0.7	26	3.3	13	1.8	3.5
2	10	5.6	08	2.4	08	5.2	09	4.7	09	8.1	11	9.0	12	4.2	12	4.4	17	1.2	11	1.0	11	1.5	09	1.7	21	0.7	26	3.3	12	2.2	3.4
3	09	5.2	09	2.7	08	4.2	09	4.4	09	8.6	10	9.5	10	4.2	12	4.4	15	1.3	11	1.1	11	1.8	09	1.4	21	0.9	26	2.5	12	2.3	3.3
4	09	4.6	10	2.6	08	5.0	07	6.3	09	8.3	12	8.4	11	4.3	12	3.6	15	1.5	11	1.1	11	1.3	09	1.5	21	0.7	25	2.8	09	3.2	3.4
5	09	4.7	09	3.4	08	4.9	08	6.2	08	8.4	11	9.9	12	5.3	13	2.7	15	1.5	11	1.3	11	1.1	09	1.9	21	0.7	25	2.3	11	3.3	3.4
6	09	4.5	07	2.1	08	4.6	06	3.6	09	8.4	11	9.4	11	3.5	13	2.5	15	1.5	11	1.0	11	1.1	09	2.0	21	0.6	23	1.8	11	4.1	3.1
7	09	4.4	07	2.2	08	5.7	06	4.7	08	7.9	10	9.1	11	3.8	13	2.7	15	1.3	11	1.1	11	0.8	09	1.9	22	0.8	21	2.6	10	1.6	3.3
8	08	4.5	06	2.7	07	5.6	08	5.7	08	8.6	11	9.5	12	4.4	12	3.6	12	1.6	16	1.0	11	1.1	09	2.1	d31	2.5	20	2.3	11	3.3	4.1
9	09	4.6	06	3.7	08	5.3	06	5.8	08	9.8	11	10.0	12	6.0	13	3.3	14	1.8	d24	1.8	07	1.5	06	1.9	31	3.7	23	2.3	11	3.7	4.5
10	08	4.4	04	5.3	09	6.8	08	6.9	09	9.6	11	10.0	12	4.2	12	3.9	14	1.2	24	1.9	07	1.1	03	4.5	29	3.9d	31	1.1	11	4.0	4.8
11	09	5.7	06	4.2	07	7.8	08	6.3	08	9.9	10	9.3	12	6.0	13	4.6	d23	2.4	24	3.0r	29	1.2	31	3.5	26	4.6r	22	2.5	09	4.5	5.1
Noon	09	4.3	06	4.9	06	7.2	06	7.1	08	10.4	11	9.1	12	3.2	13	5.3	28	2.9	24	3.0d	11	1.9	30	3.2	28	5.3r	07	3.0	09	5.4	5.4
13	08	5.1	05	4.4	08	7.9	06	6.4	10	10.1	11	9.0	12	4.1	12	6.4	25	2.5	22	3.1	10	2.1	29	1.9	28	5.8	03	2.4	13	3.0	5.2
14	08	4.4	05	5.1	09	8.0	08	7.0	09	10.9	11	8.6	13	4.6	12	5.9	27	2.9	21	3.5	06	1.9	29	4.2	28	5.7	03	2.8	12	3.8	5.3
15	04	2.6	06	4.2	08	7.1	09	7.3	12	10.8	12	8.6	13	4.4	14	4.7	27	3.1	21	2.2	06	2.4	27	2.8	27	6.1	28	3.0	11	4.6	5.0
16	04	2.6	06	4.2	08	7.1	09	7.3	12	10.8	12	8.6	13	4.4	15	4.8	24	2.5	19	2.1	07	1.7	26	3.4	27	5.9	32	2.2	10	5.7	4.8
17	d13	2.9	06	4.3	08	5.7	09	8.0	09	10.9	12	7.2	12	4.2	12	4.7	27	1.6r	11	3.1	07	2.0	23	1.6	26	5.0d	14	3.3	11	5.2	4.5
18	11	2.5	07	4.3	08	5.7	09	8.3	10	11.2	11	6.3	14	3.4	15	3.2	27	1.5	11	2.2	07	1.8	21	0.6	27	4.7	13	4.0	10	4.8	4.1
19	10	4.2	06	5.1	07	5.9	08	7.7	09	9.9	12	5.6	12	3.0	13	2.3	d05	1.6	11	2.2	07	2.3	20	0.6	28	4.5	13	3.3	09	4.6	3.8
20	09	3.1	07	4.1	08	6.0	09	7.9	09	8.7	11	5.1	12	3.3	13	1.6	06	1.9	11	1.2	07	2.1	20	0.8	26	4.3	13	2.4	11	4.4	3.8
21	08	2.0	05	5.2	07	5.5	09	6.9	11	8.6	12	4.1	14	2.9	14	1.0	06	1.7	11	1.3	09	1.0	20	0.6	27	4.0	13	1.8	12	4.4	3.6
22	08	2.3	09	5.0	07	5.7	08	7.4	10	8.2	13	4.3	13	3.1	14	3.0	06	1.0	11	1.5	09	1.6	20	0.7	26	3.3	13	2.3	11	3.6	3.8
23	08	2.4	08	3.3	08	6.5	09	7.9	10	8.4	11	5.1	12	3.7	14	0.8	06	1.1	11	1.7	09	1.7	20	1.1	26	3.4	13	1.8	10	5.4	3.7

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS), JANUARY, 1941

Force (0 - 12)

Hour	8 or above	4 to 7	0 to 3	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
3	3	2	26	3	..	1	..	12	4	7	1	1	..	1	..	..	1	..	..
9	3	4	24	2	1	1	3	10	2	7	1	..	..	1	..	2	..	..	1
15	5	6	20	2	..	2	2	9	2	6	1	..	..	3	..	..	..	4	1
21	1	6	24	..	..	2	2	11	2	9	2	..	..	2	..	..	..	1	..
Totals				7	1	6	7	42	10	29	5	1	-	7	-	2	1	5	1

TABLE XIVa - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY FOR JANUARY, 1941

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	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
1	..	..	..	0.1	1.0	..	..	..	..	0.3	1.0	0.1	..	2.1	..	..	..	..	0.4	2.3	..	0.1	0.1	..	..	..	..	..	..	..	..
2	..	0.1	1.1	0.2	1.1	..	..	..	..	0.1	..	..	0.3	3.2	0.4	..	..	..	..	2.2	..	0.4	..	..	..	..	..	..	..	..	..
3	..	..	1.5	0.0	0.2	..	..	..	..	0.1	..	..	0.5	4.4	7.1	..	..	..	..	0.6	..	..	..	..	..	..	..	..	..	..	..
4	..	0.2	7.9	..	1.0	..	..	..	..	..	..	0.2	0.7	0.3	0.4	..	..	..	..	5.5	..	0.4	..	..	..	..	..	..	..	..	..
5	..	..	5.8	..	0.2	..	..	..	..	..	..	..	0.4	..	..	1.2	0.4	..	..	1.6	..	0.3	..	0.2	..	..	..	..	..	..	..
6	..	..	0.2	..	0.2	..	..	..	..	..	0.1	..	..	..	..	..	0.3	..	..	0.8	0.7	0.7	..	0.1	..	..	..	..	..	..	..
7	..	0.1	..	..	..	..	..	..	..	0.1	..	..	0.5	..	..	..	..	..	..	0.5	..	0.6	..	..	..	..	..	..	..	..	..
8	0.1	..	0.8	..	..	..	..	..	..	0.1	..	..	0.4	..	0.1	..	4.6	..	..	..	0.1	0.4	..	..	..	..	..	..	..	..	..
9	..	..	24.4	..	..	..	..	..	..	0.4	..	..	0.2	..	..	..	..	..	..	0.2	1.1	1.3	..	..	..	..	..	..	..	..	..
10	0.1	..	0.1	1.1	..	..	..	..	..	0.1	..	..	0.1	..	..	5.2	0.6	4.3	..	0.3	2.6	..	..	..	..	..	..	..	..	..	..
11	..	0.1	1.1	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	0.9	..	0.6	1.2	0.6	..	0.3	..	..	..	..	..	..	..
12	..	..	0.6	..	..	..	..	..	..	0.5	..	..	..	..	..	..	0.2	0.6	..	1.3	0.5	0.1	1.4	..	..	..	0.1	..	..	0.9	..
13	0.2	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	1.3	0.2	..	..	0.6	0.1	0.1	0.4	..	..	..	..	0.7	..	..	1.0
14	..	..	..	..	2.9	..	..	..	..	..	..	..	..	0.1	..	..	0.2	..	..	0.1	1.9	0.3	..	..	..	..	..	..	..	1.0	0.1
15	..	0.1	..	..	6.0	..	..	..	..	..	..	..	..	7.1	..	0.8	12.5	..	..	0.1	1.7	0.6	..	..	..	..	..	..	..	..	..
16	..	7.8	0.4	..	2.9	..	..	..	..	0.1	..	..	0.2	2.3	..	..	13.5	..	..	0.3	0.3	..	..	..	..	..	..	..	..	..	..
17	..	..	7.4	1.0	0.7	..	..	..	..	..	..	..	0.7	..	..	..	2.2	..	0.6	..	0.9	..	..	..	..	..	..	1.0	..	..	..
18	..	..	1.0	2.9	..	..	..	..	..	..	..	..	5.9	2.5	0.3	0.2	..	..	1.5	1.2	..	1.0	..	..	..	..	..	..	..	..	..
19	..	..	0.4	1.2	..	0.1	..	..	..	1.3	1.6	..	1.1	0.5	..	..	..	1.8	0.3	..	1.6	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	1.0	..	..	..	..	..	..	0.2	1.3	0.1	..	1.0	0.1	..	..	..	..	..	..	..	..	..
21	..	..	..	1.6	..	..	..	..	..	..	0.1	..	0.1	0.1	..	0.1	0.2	10.0	..	..	0.4	..	..	..	..	..	..	..	..	..	..
22	..	..	3.4	..	..	..	..	..	..	..	..	..	..	0.5	0.3	..	..	4.0	..	..	..	..	..	..	..	..	..	..	..	..	..
23	0.1	0.7	6.2	..	0.3	..	..	..	..	..	..	..	..	2.1	1.1	..	..	0.3	0.1	..	..	..	..	..	..	..	..	..	..	..	..
24	0.3	0.1	1.6	..	..	..	..	..	..	..	..	..	..	1.9	..	0.6	0.1	1.9	..	..	..	0.1	..	..	..	..	..	..	..	..	..

TABLE XIV b -RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS, FOR JANUARY, 1941

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	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
1	..	..	0.1	..	..	..	..	..	..	0.4	0.1	0.6	0.1	2.5	2.3	0.8	..	5.1	0.5	..	1.9	3.1	..	5.1	..	..	..	..	..	..	..
2	..	..	0.3	..	0.2	..	0.1	..	..	..	1.3	0.5	0.3	2.6	3.2	0.7	0.1	0.2	0.9	0.3	1.0	4.2	1.0	1.1	..	..	..	..	..	..	..
3	..	..	1.3	..	0.3	..	0.3	..	..	..	0.5	0.1	0.3	2.1	3.1	0.6	0.7	..	0.1	2.1	0.7	3.5	..	1.1	..	..	..	..	..	..	..
4	..	..	1.6	.6	..	1.6	..	0.8	..	0.2	0.5	0.2	0.1	0.3	1.0	7.4	1.6	0.1	..	..	0.2	..	4.3	0.9	4.9	..	..	..	..	0.1	..
5	..	..	3.2	..	..	..	1.2	..	..	..	0.5	0.4	..	0.8	0.6	7.7	0.1	0.4	..	..	1.7	0.2	4.0	0.7	0.4	..	..	..	..	0.4	..
6	..	..	0.7	..	0.3	0.5	3.8	..	..	0.3	0.2	..	0.7	0.3	0.9	0.8	0.1	..	..	0.9	0.4	4.9	0.7	0.2	..	..	..	..	..	0.3	0.1
7	..	..	0.1	..	0.2	0.1	0.4	..	..	0.5	0.8	0.4	0.7	0.1	0.6	0.2	..	..	..	1.5	..	3.8	0.4	0.3	..	..	..	..	..	..	1.1
8	..	..	0.2	..	..	..	1.8	0.1	..	0.5	0.4	0.2	0.6	0.1	2.4	0.5	0.1	..	..	4.5	1.6	4.1	0.4	..	..	..	..	..	..	..	..
9	..	..	..	..	..	..	1.4	..	..	0.1	..	0.1	0.3	..	2.1	..	0.1	..	..	0.8	4.0	4.0	0.1	..	..	..	..	..	0.2	..	..
10	..	..	..	5.4	0.2	..	0.2	..	..	..	..	0.1	0.3	..	0.1	0.2	0.1	..	..	1.8	1.5	2.9	..	..	..	..	..	..	..	..	..
11	..	..	..	2.3	1.3	..	0.7	..	..	1.6	..	..	0.1	..	0.4	..	0.4	..	..	1.4	0.2	3.1	0.5	..	..	..	..	..	..	..	..
12	..	..	..	0.1	0.3	..	0.1	..	..	0.2	..	..	0.2	..	0.2	..	0.5	..	..	..	1.8	2.8	1.3	..	..	..	0.7	..	..	..	..
13	2.4	..	..	0.1	0.4	0.3	0.3	..	..	0.8	..	0.2	..	..	..	0.3	0.2	..	..	..	2.0	0.9	3.7	..	..	..	0.2	..	..	..	..
14	0.6	..	..	..	..	4.5	0.2	..	..	0.4	..	0.9	1.2	0.1	0.3	..	0.3	..	..	..	3.3	1.0	1.1	..	..	..	0.6	..	..	..	..
15	..	..	..	..	..	4.2	0.1	..	..	..	..	1.3	0.2	0.1	0.2	..	0.2	1.5	..	1.1	3.4	2.7	0.7	..	..	..	..	..	..	..	..
16	..	..	1.2	..	..	1.5	0.1	..	..	0.1	0.3	7.0	1.0	0.3	0.7	1.0	0.7	2.0	..	0.5	2.6	1.0	0.2	..	..	..	..	..	..	..	..
17	..	..	1.3	0.3	..	0.5	..	..	..	0.3	..	..	0.2	4.5	0.7	0.9	4.5	0.6	..	0.8	3.2	0.6	0.8	0.3	..	..	..	..	..	..	..
18	..	0.4	3.0	6.0	..	..	..	..	..	..	..	0.1	3.8	2.0	0.1	1.3	3.1	9.2	..	..	2.0	0.9	1.7	0.3	..	..	0.3	..	..	..	..
19	..	..	..	0.9	2.7	0.8	..	..	..	1.0	..	..	3.6	3.4	..	0.9	0.1	8.0	0.2	..	1.7	5.6	2.1	..	..	..	0.4	..	..	..	..
20	..	0.7	0.1	1.2	..	0.4	0.5	..	0.2	1.0	..	0.5	0.2	3.7	0.8	0.7	0.3	3.5	..	..	3.3	2.7	2.5	..	..	..	..	..	..	..	..
21	..	0.2	..	2.3	..	0.3	0.3	..	0.2	0.6	..	..	0.1	1.9	0.7	1.2	0.7	1.2	..	..	2.8	1.8	2.1	..	..	..	..	..	..	..	..
22	..	..	..	2.1	..	0.3	..	..	0.1	0.4	1.4	..	0.3	1.3	1.1	1.3	1.5	7.7	..	0.1	1.7	1.7	1.9	..	..	..	..	..	0.2	..	..
23	..	0.3	..	7.7	..	0.4	..	0.5	0.3	0.2	0.6	..	1.2	1.2	1.2	1.0	0.6	1.8	0.1	0.2	1.5	0.8	1.9	..	..	..	..	..	..	..	..
24	..	0.4	0.5	2.1	..	0.2	..	..	0.3	0.7	0.1	0.2	2.2	2.0	1.3	0.2	1.2	0.3	..	1.4	2.1	2.1	2.4	..	..	..	..	..	..	..	0.2

TABLE XV - TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR JANUARY, 1941.

RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall		Normal in Inches	Number of days
			Inches	Millimetres		
1	Mare Seche	20	11.78	299.2	8.23	16
	Saint Antoine	50	12.09	307.1	6.98	19
	Bel Mont	50	12.76	324.1	7.69	17
	Poudre d'Or	20	13.47	342.1	7.09	17
	Mon Loisir S.E.	300	13.73	348.7	8.18	22
	Forbach	300	9.57	243.1	8.43	16
	Couroupa		9.77	248.1	11.33	12
	Labourdonnais	290	12.70	322.5	8.96	17
	Mapou Water Office		7.61	190.3		10
	Beau Sejour	300	14.74	374.4	9.51	20
	Mont Piton	650	13.68	347.5	10.47	20
	Mon Choix	700	12.60	320.0	10.42	18
	Antoinette	640	19.53	496.1	9.88	25
	Mon Songe	620	17.08	433.8	10.08	23
	Botanical Gardens	325	11.13	282.6	9.59	26
	The Observatory	179	12.61	320.4	8.16	25
	Solitude	175	12.49	317.2	6.96	16
	Saint Andre (Cour)	90	...	...	7.79	
	La Nicoliere		17.35	341.7	13.37	29
	California	...	20.37	517.4	9.76	20
	Australia	...	18.51	470.2	..	24
2 & 3	Union Regnard (Flacq S.E.)	600	18.15	461.0	9.87	22
	Constance d'Arifat (L.S.)	100	15.42	391.7	8.94	24
	Rich Fund	600	19.45	494.0	10.96	25
	La Joffrette	...	19.91	505.7	...	23
	Belle Vue Allendy	...	16.64	422.7	11.28	23
4	Sans Souci	900	31.87	809.5	16.53	27
	Beau Champ G.R.S.E.	20	...	...	...	..
	Olivia	400	...	...	...	..
	Trois Ilots	...	...	...	...	..
	Belle Rive	400	...	...	...	..
	Sebastopol	700	...	...	...	..
	Bonne Veine	400	30.45	773.4	18.33	24
5	Rose Belle	850	...	...	...	..
	Rose Belle	850	...	...	...	..
	New Grove	650	...	...	...	..
	Mon Tresor	...	28.77	730.8	...	..
	Mon Desert Carie	75	22.89	851.4	7.85	..
	Ferney	20	21.55	247.4	12.35	24
	Sauve Terre	...	...	...	...	...
	Trivoli	1300	37.52	953.0	15.63	
	La Flora	1050	32.66	829.6	17.58	...
	Riche Bois (Britannia)	650	22.12	561.8	15.21	...
6	Britannia Estate	700	25.53	648.5	13.33	...
	Savannah Mill	200	18.93	480.8	10.89	22
	Saint Aubin	300	19.35	491.5	10.76	25
	Saint Avold	900	27.57	700.3	14.05	...
	Colmar	400	22.60	574.0		..
	Union S.E.	...	29.83	757.7	9.86	21
	Fontenelle	320	23.39	594.1	10.77	21
	Choisy	200	17.06	433.3	10.35	25
	Beau Bois	...	33.47	850.1	10.73	27
	Bel Air	..	...	...	...	..
	Saint Felix	..	23.86	606.0	...	..
7 & 8 & 9 & 10	Bel Ombre	40	17.90	454.7	9.25	24
	Beau Champ(B.du Cap)	70	19.77	503.8	8.66	22
	Frederica	...	22.23	564.6	8.78	24
	Pierre Fonds	...	12.65	321.3	10.51	24
	Sainte Marie	...	19.53	496.1	...	22
	Hussonia Ltd	...	7.11	180.6	...	17
11	Curepipe Gardens	1840	36.78	934.3	16.71	27
	Mare aux Vacoas (Good end)	1850	40.65	1032.5	19.51	29
	Mare aux Vacoas (Arnaud)	1830	49.80	264.9	17.81	30
	La Marie Filter Beds	1700	32.25	819.2	14.87	27
	Sophie	...	40.15	019.9	...	27
	Reunion	1420	22.69	576.3	13.10	26
	Aerological Station	1393	15.35	490.4	13.40	28
	Phoenix	...	15.24	412.5	12.76	21
	Quatre Bornes	...	12.63	320.8	...	23
12	Quatre Bornes Board	1090	12.68	322.1	...	16
	Le Reduit (d.of Ag.)	1000	13.51	343.3	10.00	30
	Alma	1460	31.41	797.8	17.88	26
	Bagatelle	1250	27.69	705.3	11.66	
	Highlands	1300	24.20	614.7	14.10	..
	Trianon	950	15.53	394.5	10.30	22
	Val Ory	1100	13.31	338.1	10.65	26
	Banian	...	12.48	317.0	10.56	21
	Hermitage	1450	27.26	692.4	17.16	...
	Ebene	...	14.34	364.2	...	...
	Bega	...	10.26	260.6	...	...
	Mon Reve	...	16.45	417.8	...	...
	Mon Pevril	...	16.37	415.8	...	...
	Minissy	1150	20.21	513.3	12.30	...
	Plaisance	...	23.80	...	...	...
	La Ferme	350	9.25	235.0	8.52	20
13	Line Barracks	.	10.05	255.4	...	..
	Tobacco Research Stu Richelieu	...	8.14	206.9	...	16

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE AEROLOGICAL STATION, VACOAS, 424.5 METRES ABOVE SEA LEVEL, DURING THE MONTH OF JANUARY, 1941

Type / Day	Time	St & Fs	Cumulus Cu.St & C	Alto Cu. Alto St.	Cirro Cumulus	Cirro Stratus	Cirrus	Time	Cirro Cumulus	St. & Fs	Cumulus Cu.St.& c.	Alto Cu Alto St	Cirro Stratus	Cirrus
				NO OBSERVATIONS										

MAURITIUS
ROYAL ALFRED OBSERVATORY

LATITUDE 20°5' 39"S., - LONGITUDE 3h 50m 12.6"

RESULTS
OF
MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

FEBRUARY, 1941

N.R. Mc CURDY, B.Sc. F.R. MET. SOC.

DIRECTOR

PUBLISHED IN 1965 BY

E.G.Davy, O.B.E., B.Sc., F.S.S.

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TABLE I - RESULTS OF MAGNETICAL OBSERVATIONS MADE DURING THE MONTH OF FEBRUARY, 1941

Month and Day 1941	Mean Declination (West)	Mean Horizontal Force (C.G.S.) Units	Mean Vertical Force (C.G.S.) Units	Daily Range Declination Unit γ	Daily Range Horizontal Force Unit γ	Daily Range Vertical Force Unit γ	HRh : 10000	ZRz : 10000
February								
1	14° 05.1'	.22426	.29899	14.0	45	35	101	105
2	05.5	420	903	8.7	31	13	69	36
3	04.7	400	908	8.0	77	8	172	24
4	05.6	403	907	4.8	73	12	164	36
5	05.5	414	903	7.5	43	23	96	69
6	05.1	410	910	5.0	73	13	164	38
7	04.9	415	909	6.5	37	13	83	38
8	04.4	424	907	8.0	65	19	146	57
9	05.0	416	902	7.2	20	21	45	63
10	05.4	423	904	5.8	39	12	87	36
11	05.8	416	906	6.0	21	15	47	45
12	05.7	424	901	8.3	29	23	65	69
13	05.5	424	897	17.5	75	49	168	146
14	05.0	421	899	15.5	37	35	83	105
15	05.3	418	901	13.5	36	29	81	86
16	05.4	423	894	14.3	24	29	54	86
17	...	...	...	..	..	..	..	..
18	...	425	...	..	40	..	90	..
19	...	426	...	..	40	..	90	..
20	...	427	...	..	35	....	78	..
21	05.7	416	901	7.0	89	20	199	60
22	05.5	403	903	10.0	59	30	132	90
23	05.6	406	903	7.5	56	21	125	63
24	05.3	408	902	11.5	47	30	105	90
25	04.9	414	898	11.8	51	34	114	102
26	04.8	418	900	12.0	51	34	114	102
27	05.2	431	897	14.0	44	31	99	93
28	04.3	438	891	24.0	60	58	134	173
Mean	14°05.22	.22418	.29902	10.35	48.0	25.3	107.6	75.6

Description of the Principal Magnetic Disturbances

Horizontal Force : 3d. Very moderately disturbed during second half
5d.& 6d. Slightly disturbed
7d. & 8d. Slightly disturbed
13d.& 14d. Very moderately disturbed
15d. Slightly disturbed
21d. Disturbed during second half, rapid increase in 55 γ between 19h20m and 19h55m followed by less important wave form fluctuations.

22d. Moderately disturbed; succession of waves not greater then 40 γ, during second half.

23d. Moderately distrubed during second half - Waves of minor amplitudes.

28d. Single large positive wave of 50 γ between 13h 15m and 15h30m.

T = .37373 : Mean Dip = 53° 8' 44 : X = .21744 : Y = -.05456 : Z = .29902
+ The daily range si the difference between the greatest and least hourly values

TABLE II - RESULTS OF ABSOLUTE DETERMINATIONS OF THE MAGNETIC ELEMENTS DURING THE MONTH OF FEBRUARY, 1941

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		
7.14.07	14°02.' 7	1.9.48	.22435	7.14.17	53.09.38	.29903
14.15.26	13.57.17	5.9.30	.22408	14.15.33	53.08.31	.29886
21.14.53	14.00. 8	8.9.40	.22457	21.15.04	53.07.93	.29893
28.14.28	13.50. 7	13.9.28	.22457	28.14.42	53.04.07	.29866
		19.9.46	.22431			
		22.9.42	.22414			
		26.9.21	.22421			

TABLE III - MAGNETIC DECLINATION (WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

FEBRUARY, 1941

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
							13° +										
Midnight																	Midnight
1	05.5	06.0	06.7	07.0	05.3	06.5	06.0	06.0	06.0	06.5	06.0	05.5	05.3	05.5	05.5	06.0	1
2	05.5	05.0	05.7	05.0	05.2	05.5	05.7	06.0	06.0	07.3	06.7	06.5	06.5	05.7	05.5	05.0	2
3	05.5	05.0	05.7	05.0	05.2	05.5	05.7	06.0	06.0	07.3	06.7	06.5	06.5	05.7	05.5	05.0	3
4	06.0	05.0	05.5	05.5	06.0	05.7	05.5	04.7	05.7	07.0	06.0	06.7	06.5	07.0	05.0	05.5	4
5	06.0	05.5	06.0	05.5	06.3	07.0	02.5	05.3	05.5	06.5	05.0	06.7	06.7	06.0	04.0	06.0	5
6	07.0	06.5	07.0	07.0	06.7	06.0	06.0	07.0	07.5	06.7	07.0	07.5	07.5	06.7	05.7	07.5	6
7	09.0	08.5	08.3	08.0	10.0	06.0	08.5	08.0	08.0	07.0	09.0	10.3	12.0	08.0	08.0	08.0	7
8	10.5	09.7	06.2	08.3	10.0	06.3	07.0	06.2	08.2	07.0	08.7	10.0	13.5	11.5	11.5	10.0	8
9	12.0	09.0	04.5	07.5	09.0	03.0	06.0	04.0	08.0	06.5	08.0	09.0	14.0	12.0	12.0	12.3	9
10	11.0	09.0	04.7	06.5	06.3	04.3	03.0	02.0	06.0	05.5	05.3	07.5	12.0	10.0	10.5	10.0	10
11	08.0	08.0	04.0	05.5	04.0	03.5	03.0	01.0	04.0	04.0	03.7	04.0	07.0	05.5	07.0	08.0	11
12	03.0	08.0	02.7	05.0	03.0	04.0	00.7	00.0	03.5	02.0	03.0	03.0	03.0	02.0	03.5	05.0	12
13	59.5	03.5	00.3	05.5	02.5	03.5	02.0	00.5	02.0	01.5	03.0	02.0	58.0	59.0	59.5	02.0	13
14	58.0	01.0	01.5	04.7	02.5	02.0	03.0	01.0	02.0	03.0	03.7	02.0	56.5	56.5	58.5	59.0	14
15	58.0	01.0	01.0	04.0	03.0	03.0	04.0	01.0	01.0	04.3	04.7	03.5	01.0	57.0	00.0	58.0	15
16	59.0	02.0	01.5	03.7	03.0	03.7	04.5	02.5	01.5	04.5	05.0	04.5	01.0	00.0	01.5	58.0	16
17	01.0	03.5	03.0	03.5	03.7	05.0	04.3	04.5	03.5	04.7	05.7	05.5	02.0	03.0	03.5	02.0	17
18	03.0	03.7	04.7	04.0	04.5	05.5	04.7	05.0	04.0	05.0	06.0	05.5	03.0	04.0	04.7	05.0	18
19	04.5	04.3	04.5	05.3	05.3	05.7	05.7	07.0	05.3	05.5	05.5	05.3	02.7	04.0	05.5	05.5	19
20	05.3	04.7	04.7	05.5	05.0	06.0	05.0	05.5	05.5	05.5	06.3	04.7	04.5	05.7	06.0	05.7	20
21	05.5	05.0	05.0	05.7	05.0	06.0	06.0	05.5	05.0	05.3	05.0	04.5	06.0	05.0	05.5	05.7	21
22	05.7	05.3	07.0	06.2	05.5	05.5	06.3	06.0	05.0	05.3	05.7	04.7	06.5	05.3	05.7	06.0	22
23	07.0	06.0	06.5	05.5	06.7	06.5	06.0	05.7	06.0	06.0	07.0	05.0	05.7	06.0	07.5	06.0	23

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
							13° +										
Midnight																	Midnight
1	06.0	05.5		06.0	06.0	06.7	06.5	05.0	05.0	06.0	05.7	05.5				05.9	1
2	05.5	05.7			07.5	09.5	04.0	06.0	06.0	05.7	05.5	05.7				05.9	2
3		06.0			07.5	07.5	05.0	06.0	05.0	04.0	05.3	05.7				05.8	3
4					07.0	06.5	05.5	05.5	04.5	04.7	05.5	06.0				05.8	4
5					06.7	06.7	06.0	06.0	04.5	05.5	05.7	06.0				05.7	5
6	07.0				06.5	06.5	06.0	07.5	05.7	06.5	06.2	06.0				06.7	6
7	09.0	08.0	07.0		06.0	07.0	07.0	08.0	07.0	05.0	06.5	06.0				07.9	7
8	08.0	10.0	08.5		07.0	08.0	08.5	10.0	09.0	08.0	08.5	09.0				09.9	8
9	09.5	10.5	10.0		08.0	08.5	09.5	11.0	10.5	10.0	11.0	11.0				09.0	9
10	09.0	09.5	10.0		07.5	08.3	09.0	09.5	10.0	09.7	12.0	12.0				08.0	10
11		08.0	09.0	08.0	07.0	06.7	07.0	06.5	07.0	06.0	09.0	10.0				05.8	11
Noon		08.0	08.0	05.5	05.0	04.0	04.0	03.0	04.0	01.0	05.0	03.5				03.4	Noon
13		03.5	05.0	02.5	05.0	00.0	03.0	00.5	00.5	58.0	00.5	59.0				01.3	13
14	58.0	02.7	02.5	00.0	01.0	58.5	02.0	59.0	59.5	58.3	58.0	48.0				00.0	14
15	58.0	01.3	00.7	59.7	01.5	59.5	02.4	59.5	58.7	59.0	58.5	54.0				00.7	15
16	59.0	01.5	00.7	59.5	02.0	00.0	03.5	02.0	00.0	02.0	01.0	57.5				01.8	16
17	01.0	03.0	02.5	01.5	02.7	03.0	04.5	04.0	02.5	04.0	03.0	01.0				03.5	17
18	04.0	05.0	04.0	03.0	05.5	04.0	04.7	05.0	04.3	05.5	05.0	03.7				04.6	18
19	05.5	06.5	05.0	04.5	06.0	06.5	06.0	05.0	04.7	05.7	05.3	04.7				05.2	19
20	04.7	07.0	05.5	05.0	06.0	08.0	06.0	05.0	05.0	05.5	05.5	05.5				05.5	20
21	05.5	07.5	07.5	05.5	06.0	07.0	06.3	06.0	05.5	05.7	06.0	05.7				05.6	21
22	05.5	08.0	07.0	05.7	06.0	06.7	07.0	06.0	06.7	06.0	05.7	05.7				05.9	22
23	07.0	08.3	06.7	05.5	07.0	07.5	06.5	05.0	06.3	05.7	05.5	05.7				06.2	23

TABLE IV - MAGNETIC HORIZONTAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS
(The values are not corrected for the effect of the dirunal change of temperature in the Magnet Chamber)

FEBRUARY, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day / Hour
Midnight	422	409	400	365	402	400	409	415	412	429	407	405	431	406	422	409	Midnight
1	421	410	397	390	405	420	405	429	425	415	417	408	427	410	423	410	1
2	423	415	407	402	407	405	405	422	419	408	411	412	427	418	424	414	2
3	425	417	412	402	415	410	415	425	417	410	415	413	427	421	425	418	3
4	426	418	411	403	413	412	415	430	418	415	426	415	430	422	435	417	4
5	427	422	415	417	417	414	433	437	413	426	423	419	442	427	425	423	5
6	430	424	420	417	420	420	432	429	414	417	425	422	450	432	431	422	6
7	437	433	421	423	425	430	431	433	418	425	422	427	455	440	429	423	7
8	434	431	427	429	430	440	433	445	419	436	421	429	457	431	436	430	8
9	438	432	430	433	431	440	425	451	420	439	423	429	457	435	419	433	9
10	444	436	436	438	430	443	429	462	414	442	423	429	460	435	420	432	10
11	443	435	440	420	435	430	430	457	415	446	420	427	455	435	422	432	11
Noon	440	430	420	410	435	422	420	443	416	440	418	425	445	427	419	433	Noon
13	441	410	390	400	427	423	407	430	413	425	416	420	430	426	415	430	13
14	422	405	370	395	418	418	406	420	405	427	417	420	412	410	400	420	14
15	432	407	390	389	409	397	407	403	409	427	412	430	417	403	400	415	15
16	425	406	392	393	408	398	406	397	410	429	411	433	417	415	405	420	16
17	420	413	375	385	403	395	400	400	415	421	409	434	395	418	403	425	17
18	419	424	363	385	399	391	396	405	418	417	409	432	386	412	407	429	18
19	420	423	380	389	392	383	400	410	412	415	412	424	400	405	410	427	19
20	412	423	387	400	407	370	407	412	415	413	415	425	387	423	418	427	20
21	400	425	390	387	413	380	415	407	415	412	407	429	385	419	415	422	21
22	399	425	380	384	407	395	423	411	417	412	405	426	400	413	422	420	22
23	403	415	375	397	395	403	415	415	422	407	413	430	395	422	412	413	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Day / Hour
Midnight	412	418	422	419	423	396	407	415	409	430	421	423				412.1	Midnight
1		423	423	422	423	415	425	403	405	425	421	423				415.6	1
2		415	423	425	422	395	419	415	412	426	421	427				415.5	2
3		417	424	427	420	400	410	415	417	420	422	425				417.2	3
4		420	425	430	418	397	407	409	418	420	423	427				418.5	4
5		421	425	430	415	400	400	406	415	422	424	433				420.7	5
6		423	427	431	415	400	400	403	417	420	425	442				422.5	6
7		425	431	435	420	400	404	403	417	423	427	440				425.8	7
8		428	432	439	423	393	409	398	418	427	432	437				428.3	8
9		440	432	442	433	405	417	393	413	443	433	447				430.9	9
10		450	437	441	445	417	420	405	420	451	440	454				435.3	10
11		453	440	443	450	427	415	428	435	443	453	457				436.5	11
Noon	415	451	442	440	451	440	420	437	440	407	461	478				434.2	Noon
13	410	439	443	433	448	427	425	435	445	402	456	459				426.5	13
14	405	423	436	423	431	407	417	433	440	404	450	478				419.5	14
15	392	418	425	431	417	397	413	415	420	402	444	447				413.9	15
16	391	413	422	423	419	390	410	397	401	403	435	438				411.7	16
17	403	415	427	408	405	395	383	393	394	400	425	436				407.1	17
18	405	415	423	408	390	392	369	390	397	400	420	432				404.7	18
19	412	416	420	415	362	401	393	402	396	410	418	428				406.0	19
20	417	421	413	418	397	381	391	391	407	407	417	423				407.7	20
21	415	422	412	422	371	397	410	406	395	408	421	422				407.7	21
22	406	419	403	424	385	400	380	400	395	415	420	422				407.5	22
23	420	420	410	426	410	385	389	413	405	415	422	418				409.1	23

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

(The values are not corrected for the effect of the dirunal change of temperature in the Magnet Chamber)

FEBRUARY, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	907	904	907	913	909	907	909	907	906	905	905	903	902	907	902	904	Midnight
1	907	903	907	912	909	906	909	904	906	904	905	905	902	907	902	903	1
2	906	903	906	910	909	907	909	906	907	907	903	904	902	906	902	902	2
3	906	902	905	909	909	908	909	907	908	906	903	903	902	905	901	902	3
4	905	903	906	908	909	910	907	908	908	905	903	903	902	903	900	902	4
5	904	903	906	910	909	909	908	908	910	907	905	904	902	905	902	902	5
6	905	904	907	910	908	908	908	909	911	908	906	906	905	904	903	903	6
7	907	908	907	910	914	916	910	909	911	909	910	911	911	908	905	903	7
8	908	910	910	907	911	908	909	903	911	908	907	910	915	915	911	905	8
9	907	908	908	906	908	907	907	899	908	905	902	907	912	909	913	904	9
10	904	903	907	903	900	903	903	896	903	903	904	900	896	898	907	896	10
11	894	902	907	903	897	905	904	897	897	899	902	890	882	888	898	890	11
Noon	882	399	907	903	894	906	904	900	893	897	902	888	867	882	887	882	Noon
13	875	897	906	901	892	910	910	905	891	898	901	888	866	880	884	877	13
14	873	898	907	904	891	913	916	910	891	902	901	890	867	880	886	876	14
15	877	901	907	906	892	917	916	911	891	904	903	895	880	886	895	877	15
16	887	904	908	905	893	916	915	914	890	905	907	897	885	893	898	880	16
17	896	903	908	905	897	916	914	915	894	904	908	899	892	896	902	883	17
18	902	903	913	906	900	915	914	915	897	903	909	900	900	898	903	890	18
19	903	903	912	908	903	914	913	913	903	904	909	900	900	899	902	896	19
20	904	902	910	907	902	913	910	909	904	905	910	903	903	902	902	896	20
21	905	902	909	908	904	913	910	908	904	905	912	903	908	902	901	897	21
22	907	902	912	910	903	911	907	908	903	906	914	903	909	903	902	899	22
23	907	903	911	909	907	910	906	907	904	906	916	903	908	904	906	900	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	903	902	899	891	899	903	903	906	902	902	900	901	...	...	...	904.7	Midnight
1	...	902	...	...	901	911	903	902	903	901	899	900	...	...	...	904,6	1
2	...	...	...	...	900	905	902	903	902	898	898	890	...	...	...	903.6	2
3	...	...	...	...	900	905	904	903	901	899	897	897	...	...	...	903.8	3
4	...	...	...	...	902	905	905	904	902	900	897	897	...	...	...	903.9	4
5	...	...	...	...	902	906	906	906	903	902	899	899	...	...	...	905.3	5
6	...	...	...	...	902	906	906	906	903	902	899	899	...	...	...	905.3	6
7	903	901	897	888	902	907	908	908	905	902	900	898	...	...	...	907.5	7
8	901	900	902	886	902	910	912	912	910	910	906	904	...	...	...	908.9	8
9	900	897	903	896	902	910	912	913	912	915	909	907	...	...	...	907.9	9
10	898	890	897	897	898	905	908	903	902	908	906	902	...	...	...	902.4	10
11	896	884	895	896	897	896	904	891	889	891	895	889	...	...	...	896.1	11
Noon	888	880	894	889	895	886	894	883	881	881	883	865	...	...	...	890.0	Noon
13	880	880	887	886	896	883	892	882	878	882	878	860	...	...	...	888.8	13
14	878	879	886	885	893	886	891	884	878	885	879	849	...	...	...	889.6	14
15	884	883	888	887	892	894	893	892	882	891	885	867	...	...	...	893.9	15
16	893	887	894	892	895	898	897	902	889	900	893	883	...	...	...	898.1	16
17	896	892	898	898	897	904	904	908	899	904	898	892	...	...	...	901.5	17
18	898	896	900	903	906	907	906	909	905	906	902	896	...	...	...	904.4	18
19	899	897	900	903	910	913	907	906	902	905	902	896	...	...	...	905.1	19
20	898	898	900	901	912	908	903	907	902	902	901	897	...	...	...	904.8	20
21	900	899	903	900	906	904	903	906	902	903	902	898	...	...	...	904.8	21
22	902	899	902	899	909	905	906	906	905	903	902	898	...	...	...	905.5	22
23	905	902	902	899	904	906	905	905	902	902	901	899	...	...	...	905.5	23

TABLE VI -

RESULTS OF METEOROLOGICAL PBSERVATIONS MADE AT THE AEROLOGICAL STATION VACOAS (424.5 metres above mean sea level) DURING THE MONTH OFFEBRUARY, 1941.

Month and Day 1941	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)	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
FEB.	mbs.	C	C	C	%	mbs	o	mps		C	C	C	C	C	C	C	mms	mins	hrs	%
1	968.1	23.1	0.6	22.2	95	26.8	100	6.0	9	21.7	22.7	23.8	21.8	25.2	21.4	3.8	7.8	740	4.8	37
2	968.0	23.7	0.8	21.5	88	25.6	85	5.2	10	21.3	22.8	21.3	22.0	25.9	21.0	4.9	22.1	575	0.3	3
3	968.2	25.4	1.7	22.9	86	27.9	45	2.2	9	22.0	22.3	25.3	21.5	27.7	21.0	6.7	34.6	615	2.4	19
4	969.2	24.8	1.7	22.3	86	27.0	45	0.8	10	21.7	24.1	23.7	22.5	26.4	21.4	5.0	9.7	95	1.5	12
5	969.5	25.5	2.6	21.6	79	25.8	45	3.9	7	21.7	24.8	25.9	21.5	27.3	21.3	6.0	0.0	0	11.0	86
6	969.1	24.9	3.0	20.8	76	23.8	90	2.4	6	20.7	23.8	24.5	21.2	26.8	20.7	6.1	1.0	80	8.2	64
7	968.1	24.8	3.6	19.2	71	22.2	70	4.8	5	21.0	24.0	25.4	20.5	27.6	20.5	7.1	0.0	0	10.6	82
8	968.0	24.0	2.1	20.8	83	24.6	110	3.0	10	20.8	23.8	26.1	22.5	27.6	20.0	7.6	3.9	130	8.7	68
9	965.1	24.0	0.8	22.8	93	27.8	90	3.2	10	20.5	23.5	22.6	22.5	25.5	21.6	3.9	12.8	495	3.6	28
10	966.8	19.9	0.2	19.6	98	22.8	135	6.6	10	21.5	09.7	21.3	20.7	23.6	20.0	3.6	31.5	610	0.0	0
11	966.0	23.1	0.5	22.4	96	27.1	45	5.7	9	20.5	22.6	24.9	22.6	27.0	20.0	7.0	24.8	385	5.1	40
12	966.4	23.6	0.9	22.3	93	27.0	75	1.5	10	22.1	23.1	25.0	22.6	26.8	22.1	4.7	26.4	435	2.2	17
13	966.1	25.2	1.3	23.3	89	28.6	C A L M		10	22.5	24.6	21.9	22.2	26.9	22.2	4.7	51.4	565	1.4	11
14	965.7	24.7	2.2	21.4	85	25.5	130	2.6	6	22.1	23.6	25.2	22.8	26.4	21.4	5.0	7.7	370	7.6	69
15	961.2	23.9	1.0	22.4	91	27.1	135	7.6	10	22.6	23.5	24.5	22.6	25.8	22.3	3.5	31.1	795	2.6	21
16	956.2	24.2	0.3	23.8	98	29.5	200	2.5	10	22.4	23.8	23.7	22.7	25.7	22.1	3.6	23.6	905	0.5	40
17	963.7	25.4	2.0	22.4	84	27.1	C A L M		5	22.5	25.2	27.0	23.5	28.2	21.6	6.6	1.8	140	8.8	70
18	966.8	27.0	3.4	22.0	74	26.4	C A L M		6	20.2	26.8	25.7	22.7	28.9	19.7	9.2	0.0	0	7.3	58
19	966.7	26.7	4.3	20.2	68	23.7	C A L M		6	21.5	26.0	25.2	22.0	28.4	21.2	7.2	1.0	30	5.7	46
20	964.7	25.4	3.1	20.7	75	24.4	C A L M		8	19.9	25.2	26.3	23.2	29.1	19.9	9.2	0.3	5	6.9	55
21	963.5	26.4	3.7	20.8	72	24.6	C A L M		5	20.4	26.2	28.7	23.1	29.9	20.3	9.6	0.0	0	10.7	85
22	965.6	25.4	2.7	21.3	78	25.3	40	1.8	10	22.5	25.2	24.2	23.0	28.0	22.4	5.6	0.0	0	2.8	23
23	967.1	24.1	1.3	22.2	89	26.8	50	2.7	10	23.0	23.8	24.3	22.4	26.0	21.1	4.9	24.1	175	0.0	0
24	966.7	25.9	2.9	21.6	77	25.8	50	3.5	3	21.2	25.3	26.9	21.5	28.1	21.5	6.6	0.0	0	10.7	86
25	965.7	25.4	2.7	21.3	78	25.3	80	2.6	6	21.1	25.1	26.8	21.1	27.9	21.1	6.8	0.0	0	10.3	83
26	964.7	25.3	3.0	20.7	76	24.4	90	2.6	7	19.9	24.6	26.1	22.1	27.5	19.3	8.2	0.0	0	10.8	87
27	964.1	25.3	2.5	21.5	79	25.6	90	3.3	9	20.7	25.0	25.8	21.4	27.6	21.4	6.2	18.7	220	8.2	66
28	963.1	25.4	1.6	23.1	87	28.3	85	4.4	9	22.0	24.8	26.7	22.3	28.1	22.0	6.1	0.0	0	8.5	68
Mean	965.9	25.4	2.0	21.7	83.8	25.9	...	3.6	8.0	21.4	24.1	25.0	22.2	26.4	21.9	6.1	334.3	7365	5.8	45.6
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	...	7.0	455.4
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 + 40.2 mbs
Temperature of the air + 0.4 C
Vapour Pressure + 2.0 mbs
Relative Humidity + 0.3 %
Velocity of wind - 0.37 mps
Amount of Cloud - 2.0

Amount of Rain + 14.4 mms
Duration of Sunshine +1.7 hrs
Mean of Maximum Temperature + 2.6°C
Mean of Minimum Temperature + 1.1°C
Absolute Maximum Temperature + 1.8°C
Absolute Minimum Temperature + 1.6°C

Greatest Rainfall Intensity at Vacoas : 2.5 mms in 5 mins.

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF FEBRUARY, 1941

Month and Day 1941	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 Dines Pluviograph	Duration		
FEB.	mbs	mbs	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs	°C	mms	min	mms	
1	1008.8	+4.3	28.9	23.2	5.7	25.3	-0.6	1.8	22.6	+0.2	85	+ 5	27.4	22.1	20.2	240	7.0	7.0
2	1008.8	+4.3	27.6	23.1	4.5	25.1	-0.8	1.3	23.2	+0.8	89	+ 9	28.4	21.6	5.8	170	7.0	9.9
3	1009.0	+4.5	29.3	23.9	5.4	25.8	-0.1	1.0	24.4	+2.0	92	+ 12	30.6	21.4	32.2	515	1.6	9.1
4	1010.6	+6.2	27.6	23.9	3.7	25.2	-0.7	1.0	23.7	+1.3	91	+ 11	29.3	21.4	18.3	205	1.1	8.5
5	1010.3	+5.9	28.8	23.0	5.8	25.5	-0.4	2.2	22.3	-0.1	83	+ 2	27.0	20.4	...	...	2.8	3.8
6	1009.1	+4.7	28.7	22.1	6.6	25.2	-0.7	2.4	21.6	-0.8	80	- 1	25.8	18.9	0.6	20	6.0	4.5
7	1008.6	+4.2	28.9	22.3	6.6	25.3	-0.6	2.8	21.2	-1.2	78	- 3	25.2	19.4	...	...	6.9	2.2
8	1007.3	+3.0	29.3	21.6	7.7	25.6	-0.3	2.3	22.2	-0.2	82	+ 1	26.8	17.8	1.8	140	6.8	4.9
9	1005.6	+1.3	28.6	23.6	5.0	25.6	-0.3	1.7	23.1	+0.6	86	+ 5	28.3	21.6	1.5	90	6.2	7.5
10	1006.1	+1.8	24.9	21.7	3.2	23.6	-2.3	1.2	21.8	-0.7	90	+ 9	26.1	21.6	45.0	520	6.3	9.8
11	1006.3	+1.9	28.9	24.0	4.9	25.9	0.0	1.7	23.4	+0.9	86	+ 5	28.8	22.1	25.8	260	2.6	9.3
12	1006.8	+2.4	27.8	24.6	3.2	25.6	-0.2	1.4	23.6	+1.2	89	+ 8	29.1	22.7	1.1	130	4.4	9.3
13	1006.5	+2.1	28.6	23.3	5.3	25.3	-0.5	1.0	23.8	+1.4	91	+ 10	29.5	22.7	92.5	380	2.8	8.7
14	1005.0	+0.6	29.0	23.3	5.7	26.2	+0.4	2.6	22.4	0.0	80	- 2	27.1	21.0	0.3	75	1.0	4.2
15	999.8	-4.7	29.0	25.1	3.9	26.6	+0.8	2.8	22.5	+0.1	78	- 4	27.3	22.4	1.2	20	6.7	6.9
16	997.1	-7.4	29.0	24.8	4.2	26.3	+0.5	1.5	24.1	+1.7	88	- 6	30.0	22.7	4.0	90	7.2	8.0
17	1003.9	-0.6	30.4	22.7	7.7	26.5	+0.7	2.1	23.4	+1.0	83	+ 1	28.8	19.8	...	...	6.2	3.5
18	1007.2	+2.7	31.7	22.1	9.6	26.7	+0.9	2.4	23.3	+0.9	82	0	28.6	19.0	...	...	6.1	3.1
19	1006.9	+2.3	30.0	22.2	7.8	25.4	-0.4	1.8	22.7	+0.3	85	+ 3	27.6	19.1	5.7	170	6.9	5.6
20	1004.6	0.0	31.2	20.9	10.3	26.1	+0.3	2.2	22.9	+0.5	83	+ 1	27.9	18.2	...	...	4.4	2.7
21	1003.9	-0.7	31.2	22.1	9.1	27.0	+1.2	2.4	23.6	+1.2	82	0	29.1	18.8	...	...	7.4	5.3
22	1005.3	+0.6	29.6	24.2	5.4	26.4	+0.7	2.0	23.5	+1.2	84	+ 2	29.0	21.9	1.9	30	6.3	7.6
23	1007.1	+2.4	27.9	23.1	4.8	25.5	-0.2	1.6	23.2	+0.9	87	+ 5	28.4	22.0	81.0	260	1.2	8.5
24	1007.2	+2.4	29.0	23.1	5.9	25.9	+0.2	2.3	22.5	+0.2	82	0	27.3	20.9	...	...	4.3	3.3
25	1006.0	+1.2	28.9	22.3	6.6	25.4	-0.3	2.7	21.3	-1.0	78	- 4	25.3	19.2	...	...	7.0	3.2
26	1004.7	-0.2	29.1	21.0	8.1	25.3	-0.4	3.0	20.7	-1.6	75	- 7	24.4	17.6	...	...	7.5	2.5
27	1004.0	-0.9	20.3	23.5	5.8	26.1	+0.4	2.4	22.6	+0.3	81	- 1	27.4	21.5	9.7	145	6.6	5.9
28	1003.3	-1.6	29.9	24.5	5.4	26.5	+0.9	1.9	23.7	+1.5	85	+ 3	29.3	22.8	0.1	10	6.5	4.6
Mean	1006.1	+1.5	29.0	23.0	6.0	25.8	0.0	2.0	22.8	+0.4	84.1	+ 2.7	27.9	20.7	348.7	3480	5.2	6.0
Average	1004.6	...	...	...	...	25.8	...	...	22.4	...	81.4	...	...	...	...	...	...	...
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

General Weather Conditions during the month of February, 1941

There were two tropical cyclones during the month.

The first formed to the north-east of Rodrigues on the 11th and moved south-west. The centre skirted the north and west coasts of Rodrigues on the 15th after which it changed its course and moved away southwards. At Rodrigues the highest mean wind velocity over a period of one hour was 78 m.p.h. and the highest gust reached 105 m.p.h. The lowest pressure was 986 mbs at 15 G.M.T. on the 15th, but the actual minimum which was not recorded, was probably considerably lower.

The second formed to the north-north-east of Rodrigues on the 27th, moved south-south-west, passed about 100 miles to the east of Rodrigues on the 28th and then moved away south and south-south-east. Its intensity was small tomoderate.

Rainfall was 177% of normal.

TABLE VII (Cont'd) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF FEBRUARY, 1941

Month and Day 1941	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
FEB.																	
1	8.4	65	5.9	+ 2.5	24.4	26.3	27.7	28.4	bc	bcro	bcqo	bcgqodo		ct	otsm	oro	
2	0.1	1	3.9	+ 0.5	24.3	26.2	27.6	28.3		orol	cro	o		oro	orol	o	
3	5.5	43	2.3	- 1.1	24.3	26.3	27.3	28.1		cro	crr	cr		crr	CRR	c	
4	1.3	10	2.3	- 1.1	24.5	26.2	27.8	28.1	bcro	cro	o	orr	or		o	c	
5	9.5	74	3.6	+ 0.2	24.7	26.3	27.8	27.8		b	bc	c	bc	b			
6	9.7	75	3.5	+ 0.1	24.8	26.3	27.8	28.0	b	bc	cro	bc	c	bro	bo		
7	11.6	90	3.1	- 0.3	24.9	26.3	27.8	28.2		bo	b	bc		b			
8	11.2	87	2.7	- 0.7	24.9	26.4	27.8	28.4	b		bc			cro	oro		
9	6.5	51	4.1	+ 0.7	24.8	26.3	27.9	28.7	oro		bc	cqo	c		cro		
10	0.1	1	5.2	+ 1.8	24.9	26.4	27.9	27.9	or	orr	oRRt	orrt	oqoro	c	oro		
11	8.0	61	3.9	+ 0.5	24.8	26.4	28.0	27.2		oro	o	bc	cro	OR	oro		
12	0.3	2	3.6	+ 0.2	24.9	26.6	27.7	27.6	o	oro	cro	oro	o	c	bc		
13	4.3	34	3.5	+ 0.1	24.8	26.6	27.7	27.4	c	bc	oro	oRRt	oR	o	oro		
14	11.5	91	4.1	+ 0.7	24.9	26.8	27.7	27.3	oro	bc	b	bc		b			
15	7.3	57	5.2	+ 1.8	24.8	26.8	27.6	27.8		bc	c	cro	bcro	c	bc		
16	8.8	69	4.3	+ 0.9	24.8	26.7	27.6	28.2		oro	o	c		bc			
17	9.0	71	2.3	- 1.1	24.9	26.7	27.7	28.4		bo	bc		c	bc			
18	10.3	81	1.6	- 1.8	24.9	26.7	27.9	28.7		bo	b	bc	c	bc	b		
19	6.3	50	1.6	- 1.8	24.9	26.7	28.0	29.2	bo	b	bc	cr	or	o			
20	11.8	94	1.4	- 2.0	24.9	26.6	28.1	29.0		bo	b	bc		b	bo		
21	11.2	89	1.5	- 1.9	25.0	26.7	28.3	29.2	bc	b	bc			cl	c		
22	3.1	26	2.5	- 0.8	24.9	26.7	28.4	29.3	b	bc	c	cro	c	o			
23	0.0	0	2.6	- 0.8	25.1	26.8	28.4	28.3	o	oRR	orr	o		bc	b		
24	10.8	86	3.2	- 0.1	25.1	26.8	28.5	23.0	bo	b	bc	b					
25	11.3	90	3.4	+ 0.1	25.0	26.8	28.4	28.5	bo	b	bc	b					
26	11.8	94	2.4	- 0.9	24.9	26.7	28.5	28.5		bo	bc	b					
27	10.8	86	3.2	- 0.1	24.9	26.8	28.3	28.8	bro	b	c	bc	c	or			
28	10.7	86	3.4	+ 0.1	25.0	26.8	28.4	28.9	bc	bro	bc	b					
Mean	7.54	59.4	3.23	...	24.82	26.56	27.97	28.29									
Average	7.60	59.7	3.38	...	25.13	26.87	28.16	28.62									
Column	19	20	21	22	23	24	25	26	27								

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF FEBRUARY, 1941

Element	Highest		hrs		Date	Lowest	Date
Atmospheric Pressure	1011.8 mbs	at	22.00	on	4th	995.4 mbs at 4 & 5 hrs	on 16th
Temperature of the Air	31.7°C	at	14.25	on	18th	20.9°C at ...	on 20th
Daily Range of Temperature of the Air	10.3°C			on	20th	3.2°C	on 10th & 12th
Temperature of the Dew Point	25.8°C	at	11.00	on	18th	19.3°C at 6 & 13 hrs	on 26th
Minimum on Grass						17.6°C	on 26th
Relative Humidity	99.7 %	at	16.00	on	13th	56.3 % at 13 hrs	on 26th
Vapour Pressure	33.2 mbs	at	11.00	on	18th	22.4 mbs at 6 & 13 hrs	on 26th
Evaporation in 24 hrs	7.7 mms			on	15th	1.1 mm.	on 4th
Wind Velocity	8.8 mps	at	15.00	on	10th	0.6 mps	often
Rainfall in 24 hrs.	92.8 mms.	ending	03.00	on	14th		
Duration of Sunshine	11.8 hrs			on	20th & 26th	0.0 hr.	on 23rd

Mean Day Temperature of Air 27.17°C Average 27.63°C Mean Night Temperature of Air 24.33°C Average 24.11°C

NUMBER OF DAYS OF

Mean Cloud Amount: 0	1 - 3	4 - 6	7 - 9	10	Rainfall: 0.1 - 0.9	1.0 - 4.9	5.0 - 9.9	10.0 - 24.9	25.0 & over	Lightning	Thunderstorm
...	7	8	11	2	3	6	3	2	3	2	1

TABLE VIII - ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS
(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level)
(The cistern of the barometer is 55.2 metres above mean sea level)

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day / Hour
Midnight	102	094	096	104	115	109	094	091	069	067	070	071	075	071	040	973	Midnight
1	096	090	087	101	110	102	086	083	059	060	063	065	072	069	029	964	1
2	087	081	081	099	104	098	085	079	053	059	061	060	067	063	021	958	2
3	081	081	079	097	101	094	082	075	051	051	060	059	061	060	016	958	3
4	081	082	073	098	099	091	080	077	046	050	056	059	058	051	010	954	4
5	081	080	078	099	100	090	080	078	046	053	055	064	060	053	010	954	5
6	082	080	081	103	102	091	081	077	049	055	057	062	061	056	010	957	6
7	090	087	088	108	104	100	090	080	053	064	062	063	067	060	014	962	7
8	091	090	090	110	109	100	090	083	056	059	067	071	070	062	012	966	8
9	091	092	091	109	110	100	095	084	059	080	071	071	070	063	016	970	9
10	093	090	095	108	106	100	097	084	056	081	071	072	070	061	013	970	10
11	091	092	095	109	104	097	093	081	056	074	070	071	068	008	008	966	11
Noon	089	089	091	109	101	092	091	076	055	060	065	072	063	053	002	965	Noon
13	083	090	086	106	100	083	084	070	054	061	059	070	064	046	990	962	13
14	079	085	083	102	097	080	078	061	053	041	055	062	061	040	985	961	14
15	077	086	081	100	096	077	072	059	048	043	051	061	056	039	979	959	15
16	070	082	081	100	092	076	071	055	042	040	051	060	056	035	976	960	16
17	074	079	085	101	092	076	073	060	047	044	051	059	056	031	976	963	17
18	081	084	091	102	096	080	079	061	055	052	058	063	060	036	976	971	18
19	090	094	104	108	100	084	086	067	060	060	061	070	062	042	976	980	19
20	102	085	103	113	108	089	091	071	061	066	069	078	070	044	976	989	20
21	100	094	105	115	110	092	096	071	067	072	074	079	071	043	981	997	21
22	101	098	108	118	112	097	095	073	071	076	076	080	073	044	982	006	22
23	100	099	110	117	113	099	092	072	070	072	075	078	076	043	980	009	23

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Day / Hour
Midnight	010	070	082	068	048	053	071	082	075	059	050	043				070	Midnight
1	008	064	078	061	042	046	064	078	069	053	048	041				064	1
2	007	061	073	057	038	040	054	076	061	051	039	038				059	2
3	008	058	070	051	033	039	057	073	060	047	032	026				056	3
4	010	056	070	050	033	040	055	073	059	042	031	021				054	4
5	012	060	068	050	031	042	062	074	060	042	033	025				055	5
6	019	063	070	050	036	044	069	073	060	044	040	029				057	6
7	030	071	073	055	042	043	069	073	061	049	042	034				062	7
8	039	075	078	059	042	051	077	077	063	055	048	039				066	8
9	042	079	079	060	043	059	083	080	067	060	050	041				068	9
10	044	080	074	056	041	069	087	080	067	060	051	041				068	10
11	045	080	069	051	040	066	081	078	069	055	050	041				066	11
Noon	045	078	066	043	036	060	074	071	064	050	046	038				062	Noon
13	042	072	061	035	030	056	071	067	056	043	039	030				058	13
14	040	070	059	030	026	050	066	061	050	040	031	023				052	14
15	040	069	060	028	026	050	061	060	046	033	023	021				050	15
16	041	069	060	024	027	044	060	058	043	031	021	020				048	16
17	043	067	060	026	029	043	060	058	049	031	024	022				049	17
18	049	070	061	031	032	047	063	060	053	039	029	023				054	18
19	054	076	067	038	040	055	074	068	060	041	037	030				060	19
20	060	082	070	046	049	060	081	072	063	045	041	034				065	20
21	067	086	071	047	051	068	084	079	066	050	050	042				069	21
22	071	090	073	050	054	076	085	080	067	051	050	047				072	22
23	072	087	070	050	056	073	086	077	064	052	047	046				071	23

TABLE IX - AMOUNT OF CLOUD AT EVERY HOUR OF THE DAY (0 = CLEAR SKY, 10 = OVERCAST SKY)

FEBRUARY - 1941

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	31	Mean
Midnight	6	10	10	5	5	1	0	0	10	10	10	10	8	10	0	9	2	0	0	0	0	0	10	0	0	0	1	8				4.5
1	5	10	9	5	3	1	0	0	10	10	10	10	8	10	4	10	0	0	0	0	4	0	10	0	0	0	1	5				4.4
2	4	10	8	5	2	1	0	0	10	10	10	10	8	10	4	10	0	0	0	0	4	0	10	0	0	0	1	5				4.4
3	2	10	7	3	0	2	0	1	10	10	10	10	9	8	6	10	0	0	0	0	7	2	6	1	0	0	1	5				4.3
4	3	10	8	3	0	3	0	1	6	10	10	10	7	8	7	10	0	0	0	0	6	2	10	1	0	0	1	4				4.3
5	3	10	9	10	0	5	0	4	3	10	10	10	5	3	7	10	0	0	1	0	2	9	10	2	1	0	1	3				4.6
6	5	10	10	10	1	5	1	4	3	10	10	10	3	1	8	10	1	2	3	0	4	9	10	2	3	1	1	2				5.0
7	5	10	9	10	3	5	2	4	4	10	10	10	5	1	8	10	3	2	3	0	5	8	10	3	3	4	1	5				5.5
8	5	9	9	10	5	5	3	5	6	10	10	10	7	2	8	10	4	2	3	2	5	9	10	3	3	6	5	7				6.2
9	6	8	9	10	6	5	4	6	7	10	10	10	8	3	9	9	6	2	3	4	5	10	10	4	3	7	9	9				6.9
10	7	10	10	10	6	8	4	6	7	10	8	8	10	8	6	9	5	2	5	8	5	6	10	5	7	3	8	5				7.0
11	7	10	10	10	6	8	4	6	7	10	8	10	10	8	6	9	5	2	5	8	5	6	10	5	7	3	8	5				7.0
Noon	7	10	7	10	5	7	5	6	8	10	7	8	9	6	7	9	5	3	7	7	5	9	10	6	7	4	7	4				Noon
13	9	10	8	10	7	6	6	5	10	10	7	10	10	6	7	9	5	4	7	6	5	9	10	6	6	4	6	6				7.3
14	9	10	8	10	8	6	5	5	8	10	7	10	10	6	8	8	4	7	7	4	5	9	10	6	4	4	6	6				7.1
15	5	10	8	10	8	6	5	5	8	10	7	10	10	6	7	8	4	7	10	4	5	9	10	5	5	4	6	5				7.0
16	8	10	9	10	7	7	4	4	7	10	9	10	10	4	8	6	7	8	10	5	5	9	10	6	6	4	7	5				7.3
17	10	10	10	10	7	8	2	4	6	9	9	10	10	3	9	7	10	8	10	6	5	9	10	7	6	4	8	5				7.6
18	10	10	10	10	6	9	2	4	9	9	9	10	10	3	10	8	10	9	10	7	6	9	10	8	5	4	8	5				7.9
19	10	10	10	10	3	5	1	6	9	9	10	9	10	2	10	9	8	6	10	4	8	10	8	6	6	1	10	3				7.2
20	10	10	10	9	2	3	1	8	8	9	10	8	10	1	6	1	1	4	10	3	8	10	6	1	4	1	10	1				5.9
21	10	10	10	9	1	1	1	9	8	9	10	7	10	0	5	4	1	3	10	1	8	10	5	1	2	1	10	1				5.6
22	10	10	10	8	1	0	1	10	8	10	10	7	10	0	5	5	1	2	10	0	8	10	3	1	1	1	10	1				5.5
23	10	10	10	7	1	10	1	10	8	10	10	7	10	0	5	6	1	1	10	0	8	10	1	1	0	1	10	1				5.3

TABLE X - DURATION OF BRIGHT SUNSHINE AT EVERY HOUR OF THE DAY AS RECORDED BY THE CAMPBELL-STROKES SUNSHINE RECORDER

FEBRUARY, 1941

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	8	8	9	0	0	0	0	0	0	0				0.6
7	29	0	0	0	47	53	44	50	9	0	0	0	45	52	26	13	55	60	60	60	60	0	0	42	56	59	40	35				14.9
8	60	1	0	20	60	60	60	60	38	0	5	0	60	60	60	35	60	60	60	60	60	3	0	45	60	60	60	60				19.5
9	60	5	35	42	60	60	60	60	55	0	51	0	60	60	30	47	60	60	60	60	60	34	0	54	60	60	60	60				21.9
10	60	0	47	14	60	54	60	30	50	0	41	0	47	60	52	50	60	60	60	60	60	35	0	60	60	52	60	60				20.9
11	60	0	37	0	51	47	60	60	42	0	60	4	21	60	48	50	60	60	57	60	60	60	0	60	60	60	60	60				21.0
Noon	57	0	58	0	44	21	60	60	30	0	60	0	26	60	25	50	60	60	17	60	60	23	0	60	60	60	60	60				18.9
13	44	0	50	0	51	60	60	60	15	0	60	0	0	60	49	50	60	60	34	60	60	21	0	60	60	60	60	60				18.7
14	45	0	55	0	30	60	60	60	15	0	60	7	0	60	50	48	60	60	25	60	60	7	0	60	60	60	60	60				18.7
15	53	0	0	0	2	55	60	60	47	0	44	3	0	60	38	51	49	49	0	60	60	0	0	60	60	60	60	45				16.3
16	13	0	45	0	49	36	60	60	45	2	44	0	0	60	26	53	15	50	0	60	60	0	0	60	60	60	60	60				16.3
17	20	0	6	0	60	47	58	60	44	3	40	0	0	60	5	48	0	30	0	50	60	0	0	60	60	60	60	55				14.8
18	0	0	0	0	58	25	55	50	0	0	15	0	0	40	20	30	2	0	0	47	6	0	0	30	20	59	7	27				8.2
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

The total amount of Registered Sunshine was 211.2 hrs and the total possible sunshine was 356.1 hrs

TABLE XI - TEMPERATURE OF THE AIR AND EXCESS OVER TEMPERATURE OF EVAPORATION IN DEGREES CENTIGRADE AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

(To obtain temperatures on the Absolute Scale add 273)

FEBRUARY, 1941

Day / Hour	1		2		3		4		5		6		7		8		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	23.6	1.2	25.2	.4	24.2	.4	23.9	1.2	23.2	1.3	24.1	2.1	22.9	1.5	Midnight
1	24.2	1.2	23.3	.7	25.2	.4	24.3	.4	23.6	1.0	22.9	1.6	24.0	2.1	22.8	1.3	1
2	24.2	1.4	23.6	1.2	25.2	.5	24.7	.6	23.2	.8	22.3	1.2	23.8	1.7	22.9	1.1	2
3	24.2	1.6	23.5	.8	25.1	.5	24.5	.5	23.3	.8	22.1	1.0	23.0	1.7	22.6	1.1	3
4	24.4	1.8	23.8	1.1	25.1	.7	24.1	.4	23.3	.8	22.7	1.1	22.7	1.5	22.1	1.1	4
5	24.0	1.0	24.0	1.1	25.0	.7	24.0	.4	23.2	.7	22.6	1.0	23.0	1.1	21.8	1.0	5
6	24.0	1.0	24.1	1.1	25.1	.5	24.3	.4	23.1	.7	22.5	1.0	22.3	1.3	21.7	1.1	6
7	24.2	1.1	24.5	1.1	24.1	.5	24.9	.7	24.7	1.5	24.0	1.9	24.3	2.3	24.0	1.1	7
8	25.9	2.2	25.1	1.1	24.7	.6	25.2	.8	26.2	2.1	26.8	3.7	26.2	3.6	26.3	2.3	8
9	27.0	2.7	25.9	1.6	26.2	1.1	27.0	1.6	27.6	3.3	27.6	3.7	27.0	3.9	27.3	3.1	9
10	26.3	1.7	26.9	2.6	27.7	1.7	27.2	2.0	28.1	3.3	27.2	3.3	27.3	4.1	27.1	3.0	10
11	27.7	3.0	27.0	2.7	27.7	1.6	25.3	.5	28.3	3.5	26.7	2.8	28.2	5.1	27.8	3.3	11
Noon	28.4	3.6	27.0	2.0	28.3	1.7	25.2	.2	28.3	3.6	26.6	2.5	28.3	4.7	28.3	3.7	Noon
13	27.2	2.5	27.0	2.2	28.9	2.7	26.1	1.0	28.2	3.9	28.2	3.9	28.7	4.8	29.0	4.8	13
14	28.1	3.4	27.6	2.3	28.7	2.6	26.0	1.0	27.7	4.0	28.2	3.7	28.2	4.5	29.1	4.6	14
15	27.2	2.6	25.9	1.6	27.1	1.3	25.8	1.2	27.2	3.1	28.0	3.7	28.2	4.6	29.0	4.6	15
16	25.9	1.8	25.7	1.3	27.0	1.7	26.2	1.6	27.5	3.5	27.2	3.2	27.7	4.0	28.7	4.7	16
17	26.0	2.1	26.0	1.1	26.0	.9	25.9	2.0	27.0	3.5	27.1	3.3	27.0	3.8	28.1	4.0	17
18	25.1	2.0	26.2	.6	25.4	.5	25.6	1.5	26.2	2.8	26.0	2.7	26.2	3.7	27.2	3.2	18
19	23.9	1.0	23.3	.8	24.8	.3	25.1	1.0	24.9	1.9	25.3	2.4	24.7	2.4	26.2	2.2	19
20	24.0	1.0	23.3	1.1	24.2	.3	25.1	1.1	24.2	1.5	24.5	2.4	23.8	1.7	25.0	1.3	20
21	23.5	.8	24.1	1.2	24.0	.8	25.1	1.2	24.0	1.5	24.2	2.2	23.5	1.5	25.0	1.0	21
22	23.6	.7	24.8	.9	24.1	.5	24.9	1.6	23.8	1.3	24.4	2.3	23.1	1.2	25.0	1.0	22
23	23.6	1.1	25.2	.9	24.3	.4	24.2	1.1	24.0	1.8	24.2	2.1	22.9	1.3	24.8	1.0	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	24.1	.9	24.4	1.2	24.0	1.1	25.0	0.9	25.0	1.4	24.6	0.7	25.2	2.0	25.8	2.6	Midnight
1	24.3	1.0	24.4	1.1	24.3	1.4	25.0	0.9	24.9	1.1	24.6	0.8	25.1	1.9	25.3	1.7	1
2	24.1	1.0	23.9	.9	24.7	1.7	25.0	0.9	24.9	1.1	24.2	0.7	25.4	2.3	26.0	1.5	2
3	23.7	.8	24.0	1.0	24.8	1.6	25.1	1.0	24.9	1.0	24.1	0.9	25.4	2.2	25.1	2.2	3
4	23.9	.9	23.9	1.1	24.8	1.6	25.0	0.9	24.8	0.9	24.0	1.0	25.1	2.0	24.9	0.9	4
5	24.0	1.0	24.1	1.6	24.9	1.7	24.9	0.9	24.9	1.1	23.9	1.1	25.3	2.2	24.9	0.8	5
6	24.0	1.0	23.2	.7	24.5	1.2	24.7	0.7	24.7	1.1	23.4	1.3	25.5	2.4	24.9	0.8	6
7	24.7	1.0	22.7	.7	24.6	1.0	25.0	0.9	25.7	1.4	24.8	1.7	25.8	2.1	25.0	0.7	7
8	25.7	1.1	21.9	.6	25.6	1.5	25.4	1.2	27.0	1.9	26.1	2.6	27.0	2.9	25.7	0.8	8
9	26.3	1.3	21.9	.8	26.6	1.7	25.7	1.2	28.1	2.5	27.6	3.5	27.0	2.5	27.1	1.0	9
10	27.9	2.5	21.9	1.0	26.5	1.7	26.7	2.0	28.3	2.7	28.1	3.9	28.3	3.3	27.9	1.9	10
11	28.1	2.9	22.2	.5	27.7	2.7	26.9	1.9	27.3	1.3	28.0	3.7	27.4	2.3	28.8	2.6	11
Noon	27.7	2.5	23.0	1.0	27.8	2.8	27.1	2.3	28.0	2.1	28.2	4.2	27.6	3.4	28.7	2.4	Noon
13	26.2	2.0	23.5	1.0	28.1	3.1	26.1	2.2	24.3	0.3	28.4	4.7	28.1	3.4	28.3	2.3	13
14	25.9	1.9	23.3	1.1	28.3	3.2	27.1	2.4	24.0	0.3	28.9	4.4	29.0	3.8	28.1	2.1	14
15	27.1	3.1	23.2	1.2	28.3	3.1	26.3	2.1	23.4	0.3	28.4	4.1	27.9	2.7	28.0	2.4	15
16	27.0	3.2	23.9	2.1	27.6	2.6	26.1	1.3	24.0	0.1	28.2	3.8	27.9	3.6	27.5	2.2	16
17	27.0	3.7	24.2	2.2	26.9	2.1	26.0	1.5	24.3	0.4	27.9	3.6	27.6	3.6	27.0	2.0	17
18	26.3	2.3	24.9	1.8	26.1	1.5	25.9	1.8	24.8	0.8	26.9	2.9	27.2	3.2	26.3	1.5	18
19	26.0	2.0	24.4	1.6	25.7	1.2	25.2	1.2	25.0	0.8	25.9	2.2	26.7	3.5	25.9	1.3	19
20	25.2	1.6	24.3	1.3	25.0	0.7	24.9	1.3	25.0	0.8	25.3	1.8	26.0	2.7	25.6	1.2	20
21	25.3	1.8	24.7	1.8	25.0	0.7	24.9	1.2	25.1	0.9	25.4	2.2	26.1	2.7	25.5	1.2	21
22	25.6	1.7	24.2	1.4	25.0	0.7	24.8	1.2	25.1	0.9	25.3	2.1	25.9	2.6	25.2	0.9	22
23	25.2	1.4	24.3	1.3	25.1	1.0	24.9	1.2	24.7	0.8	25.1	1.9	25.4	2.4	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, 1941

Day / Hour	17		18		19		20		21		22		23		24		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	0.8	24.2	1.2	24.7	1.6	23.1	1.0	24.1	1.1	25.2	1.1	25.4	1.1	24.1	1.3	Midnight
1	24.6	0.8	23.7	1.2	24.1	1.4	22.6	0.9	23.9	1.2	25.0	1.2	25.5	1.1	23.7	1.3	1
2	24.1	0.8	23.3	1.1	23.5	1.1	22.2	0.9	23.2	0.8	24.7	1.4	25.7	1.1	23.7	1.0	2
3	23.6	0.8	22.9	1.0	23.0	0.9	21.9	0.8	23.8	0.9	24.3	1.2	25.5	1.0	24.1	1.1	3
4	23.3	0.7	22.6	0.8	22.8	0.9	21.6	0.7	23.9	1.0	24.7	0.8	25.3	0.8	24.0	1.1	4
5	23.1	0.7	22.4	0.6	22.4	0.9	21.3	0.7	22.9	0.9	25.1	0.9	23.8	0.7	23.6	1.0	5
6	23.2	0.9	22.3	0.4	22.5	0.9	21.2	0.7	22.2	1.0	25.0	0.9	23.4	0.9	23.6	1.2	6
7	24.1	0.8	23.9	1.0	24.2	1.0	22.7	0.7	23.5	0.8	25.1	0.9	24.3	0.4	25.0	1.6	7
8	27.0	1.7	27.1	3.0	27.0	2.6	26.0	1.9	27.1	1.8	26.1	1.2	23.1	1.1	25.1	1.1	8
9	28.0	2.5	28.1	3.2	28.3	3.7	27.7	3.0	28.6	3.0	27.1	2.8	25.1	1.1	27.6	3.1	9
10	29.0	3.6	29.3	3.6	29.2	4.3	28.4	3.4	29.7	3.7	28.8	4.2	26.2	1.2	28.1	3.4	10
11	30.0	4.3	31.2	3.9	29.9	4.4	29.9	3.4	30.4	4.0	29.0	3.7	26.9	2.1	28.3	3.8	11
Noon	30.1	4.1	30.9	3.8	28.8	3.3	30.2	3.4	31.0	4.6	28.8	3.4	27.1	2.9	28.8	4.0	Noon
13	30.0	4.0	30.8	4.6	28.9	3.7	30.7	3.9	31.1	4.0	27.9	2.1	27.0	3.1	29.0	4.0	13
14	30.2	4.4	31.2	4.0	28.8	3.8	31.0	4.5	31.1	4.9	28.2	2.8	27.4	2.8	28.9	4.5	14
15	29.9	3.9	30.8	4.1	25.7	1.5	30.8	4.6	31.2	4.7	28.1	2.9	27.6	3.2	28.4	3.9	15
16	28.2	2.7	30.0	3.9	25.2	0.9	30.4	4.3	30.2	4.1	27.8	2.9	27.1	3.0	28.2	3.9	16
17	27.2	2.4	29.0	3.4	24.6	0.7	29.2	3.9	30.0	4.0	27.6	2.7	26.7	2.5	27.3	3.1	17
18	28.0	2.8	28.0	2.7	24.9	1.0	28.2	3.2	28.8	2.9	26.8	2.8	26.2	2.1	26.4	2.6	18
19	27.1	2.1	26.4	2.1	24.6	1.1	26.9	2.0	27.2	2.1	26.1	1.9	25.3	1.3	25.5	2.0	19
20	26.1	1.8	25.9	1.9	24.7	0.9	26.0	1.8	26.4	1.6	25.6	1.7	25.0	1.2	25.0	1.8	20
21	25.2	1.2	25.2	1.5	24.5	0.7	25.1	1.4	25.8	1.6	25.3	1.2	24.7	1.4	24.3	1.3	21
22	25.0	1.0	25.4	1.5	24.1	0.9	24.6	1.3	25.3	1.3	25.3	1.0	24.5	1.3	24.2	1.4	22
23	25.1	1.1	24.9	1.7	23.6	1.0	24.6	1.3	25.2	1.2	25.4	1.1	24.2	1.2	24.1	1.8	23

Day / Hour	25		26		27		28		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.							
Midnight	24.0	1.0	22.9	1.4	24.0	1.1	25.1	0.0	24.4	1.3							Midnight
1	24.0	1.9	22.6	1.4	23.8	1.0	25.0	0.9	24.2	1.2							1
2	23.1	1.3	22.7	1.5	23.5	0.8	25.0	0.0	24.0	1.1							2
3	23.0	1.8	22.8	1.7	23.8	0.9	25.0	1.0	23.9	1.1							3
4	22.9	1.8	22.0	1.4	23.9	0.9	25.0	0.9	23.8	1.0							4
5	22.7	1.7	21.1	1.1	23.9	0.9	24.8	0.8	23.6	1.0							5
6	22.3	1.3	21.2	1.2	23.6	0.9	24.6	0.7	23.5	1.0							6
7	23.9	1.9	22.7	1.4	24.6	1.3	25.3	1.1	24.4	1.2							7
8	26.2	2.6	25.9	2.8	26.2	2.1	26.9	1.8	25.9	1.9							8
9	27.3	3.3	27.2	4.0	27.7	3.4	27.0	2.1	27.0	2.5							9
10	28.1	3.9	28.2	4.4	27.7	3.4	28.1	3.1	27.7	3.0							10
11	28.0	3.8	28.2	4.9	28.4	4.1	28.8	3.6	28.0	3.1							11
Noon	28.6	4.4	28.3	5.3	28.9	4.7	29.0	4.0	28.2	3.3							Noon
13	28.7	4.6	28.9	6.3	29.0	4.0	29.3	4.0	28.1	3.3							13
14	28.6	4.6	28.8	5.8	28.9	4.6	29.2	3.9	28.2	3.4							14
15	28.1	4.1	28.0	5.0	28.6	4.5	28.3	3.3	27.7	3.1							15
16	28.0	4.3	28.0	4.9	28.3	4.3	28.7	3.6	27.4	2.9							16
17	27.2	3.7	27.3	3.7	27.7	4.5	27.7	3.0	27.0	2.8							17
18	25.9	3.1	26.3	3.6	27.0	3.1	26.8	2.2	26.4	2.3							18
19	24.5	1.8	25.1	2.4	25.4	1.4	26.0	1.4	25.5	1.7							19
20	24.0	1.5	24.4	1.5	24.9	0.9	25.7	1.3	25.0	1.4							20
21	23.6	1.5	24.3	1.3	24.7	0.7	25.5	1.1	24.8	1.4							21
22	23.3	1.3	24.5	1.5	25.1	0.9	25.1	1.0	24.7	1.3							22
23	23.2	1.3	24.2	1.2	25.2	1.0	25.1	1.0	24.6	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 FEBRUARY, 1941

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, 1941

Hour \ Day	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Mid-night	11	4.8	11	5.4	08	2.0	06	1.5	09	2.4	10	1.8	08	3.6	10	1.2	12	3.0	08	4.5	10	3.9	08	2.8	10	2.8	10	3.3	12	3.2	15	4.1
1	11	4.3	10	6.0	08	1.6	06	1.8	08	2.4	10	2.1	08	4.6	10	1.8	12	1.8	09	3.5	08	4.0	07	3.1	10	2.6	10	3.4	13	3.0	16	2.3
2	10	4.0	10	5.7	07	1.8	06	1.6	08	2.0	10	2.2	08	1.8	10	2.3	12	1.9	09	4.1	08	3.5	07	3.2	11	2.5	10	2.9	13	4.1	16	3.7
3	10	4.5	09	4.6	07	2.1	06	1.2	08	3.0	10	2.0	10	2.4	09	1.3	12	3.0	10	3.6	08	4.1	08	3.2	10	3.2	10	2.6	13	3.6	18	2.7
4	09	4.4	11	4.4	07	2.5	06	1.4	08	2.7	10	1.9	10	2.6	09	1.6	12	2.0	11	4.4	08	4.0	08	3.0	11	3.3	10	3.5	13	3.7	18	1.8
5	09	4.8	11	5.6	07	1.7	06	1.2	08	1.6	10	1.6	10	2.2	09	2.0	12	2.6	11	4.0	08	4.3	08	2.4	11	3.0	12	3.9	13	4.4	18	1.6
6	10	5.3	10	5.5	10	2.2	06	1.3	08	1.7	10	2.4	10	2.3	09	1.4	12	2.7	12	4.2	08	3.8	10	3.1	11	2.2	12	2.2	14	5.8	19	1.0
7	08	5.1	10	5.2	32	1.1	06	1.8	08	2.4	10	2.0	10	3.4	09	1.8	11	3.0	09	5.0	07	3.7	09	4.1	11	2.1	10	3.6	13	4.7	19	2.5
8	10	6.1	09	5.6	05	1.8	05	2.3	08	2.8	08	3.9	09	3.9	10	2.5	09	3.7	11	4.1	06	4.1	10	3.0	10	3.4	11	4.9	12	6.4	19	2.6
9	08	7.5	09	5.2	07	2.0	05	1.8	08	3.8	08	4.0	09	4.4	10	3.5	10	3.1	12	3.1	05	5.4	09	3.6	09	3.2	10	5.0	12	5.3	19	3.1
10	09	7.5	08	5.9	05	3.5	04	2.4	09	4.3	08	4.4	09	4.4	10	3.8	06	3.6	13	3.3	06	5.0	08	4.0	10	3.3	10	5.3	13	5.6	19	5.1
11	09	6.7	08	4.6	06	3.9	12	1.9	09	4.3	09	4.7	07	4.2	10	3.4	08	5.0	12	4.3	06	5.5	08	4.6	09	2.5	12	5.0	14	6.5	18	6.5
Noon	08	7.9	06	4.0	02	3.8	14	1.8	09	5.5	08	4.6	08	3.4	07	4.2	07	5.8	10	6.6	05	5.8	08	4.6	08	3.6	12	5.4	13	6.6	18	7.0
13	08	8.0	06	3.6	04	4.2	04	3.1	08	5.7	08	4.6	07	4.3	08	4.1	09	6.6	08	7.3	06	5.1	09	4.2	13	2.0	12	4.8	13	8.2	19	8.4
14	10	7.1	05	2.8	02	4.4	06	2.2	09	5.1	08	5.1	08	4.1	09	4.1	09	7.0	09	8.5	06	4.4	08	4.3	13	2.4	12	6.6	12	6.6	19	8.6
15	10	7.8	03	2.4	06	3.0	07	2.4	11	5.2	08	5.0	08	4.2	09	4.0	06	6.4	08	8.8	06	4.4	07	4.1	11	4.4	12	4.7	15	6.1	19	9.3
16	09	6.9	04	0.8	06	3.5	08	3.5	08	5.1	07	4.8	09	4.0	11	4.1	09	5.9	11	8.2	08	3.8	09	3.6	11	4.5	10	5.4	13	4.8	19	6.5
17	10	6.0	03	1.2	06	1.4	08	3.1	08	5.8	08	5.0	08	3.3	11	3.2	07	5.3	09	7.5	07	4.1	10	4.4	12	5.6	12	5.6	13	6.5	19	5.3
18	11	5.9	03	1.9	06	1.1	08	3.5	10	5.2	08	4.0	10	3.7	11	3.0	09	4.9	09	6.4	07	3.1	10	4.0	09	4.9	12	4.4	13	6.7	19	5.4
19	11	5.2	18	3.0	07	1.6	09	2.6	09	3.8	08	3.9	10	2.6	11	2.4	08	3.3	09	5.0	07	2.7	10	2.9	09	5.2	12	3.0	14	6.6	21	4.1
20	09	4.4	11	3.0	06	1.9	09	2.9	10	3.5	08	4.4	10	2.0	10	2.1	08	4.2	09	5.0	05	2.5	10	3.3	09	5.0	11	2.9	16	3.4	20	3.3
21	11	5.4	09	3.6	06	1.6	09	3.1	11	2.5	08	3.1	10	1.6	11	2.0	09	4.1	08	4.9	04	1.1	09	3.6	09	3.8	13	3.4	16	4.0	21	3.1
22	08	5.5	09	3.8	06	1.7	09	3.2	10	2.3	08	3.2	10	1.9	11	2.0	08	4.0	10	4.5	08	2.7	10	3.8	09	4.1	12	3.8	16	4.6	20	2.7
23	09	5.5	09	2.2	06	1.8	09	3.0	10	2.5	08	2.7	10	1.3	11	2.3	09	3.7	09	5.2	07	3.3	11	3.5	09	4.1	12	3.9	16	3.8	21	3.3

Hour \ Day	17		18		19		20		21		22		23		24		25		26		27		28		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.	
Mid-night	20	2.2	12	1.3	11	1.0	11	0.7	29	1.5	12	1.1	06	1.6	08	2.4	09	2.4	10	2.3	10	1.7	09	3.3	2.6
1	20	2.1	12	1.5	11	1.4	11	1.1	29	0.7	12	1.2	06	1.3	08	2.1	08	3.2	10	1.6	10	2.9	09	3.1	3.5
2	20	2.0	12	1.5	11	1.5	11	1.8	29	1.3	12	1.7	06	2.3	08	2.0	08	5.2	09	2.0	10	1.8	09	2.7	2.6
3	20	0.8	12	1.4	11	1.6	11	1.2	29	1.1	12	1.6	06	1.2	08	2.2	09	3.4	10	1.9	11	1.8	09	2.9	2.4
4	20	1.4	12	1.4	11	0.9	11	0.9	29	1.3	12	1.7	05	1.8	08	2.5	09	3.5	10	1.8	10	1.9	08	3.0	2.5
5	20	0.8	12	1.1	11	1.2	11	1.3	07	1.1	10	1.4	30	5.2	08	1.9	09	3.2	10	1.8	10	2.9	08	1.8	2.5
6	20	0.6	12	1.1	11	1.3	11	1.0	10	1.3	08	1.5	03	3.7	08	2.6	09	2.8	10	1.1	10	2.3	08	1.7	2.4
7	20	0.7	12	0.8	11	0.8	11	1.0	10	1.0	08	1.1	06	2.3	08	2.8	09	3.0	10	0.7	10	2.0	10	2.1	2.5
8	20	1.7	12	0.9	11	1.6	11	1.2	10	0.7	04	1.8	06	2.4	07	3.2	10	3.5	10	1.1	10	2.6	10	3.3	3.0
9	18	3.3	12	0.7	10	2.3	10	1.4	05	1.5	03	2.3	10	1.9	07	3.8	09	4.7	11	2.0	08	4.6	09	3.8	3.5
10	18	4.4	12	1.0	08	1.7	06	1.4	01	1.9	06	2.3	06	2.8	06	3.4	08	4.8	10	1.9	08	4.3	09	4.6	3.8
11	20	4.2	26	2.6	09	1.7	02	1.8	31	2.6	05	4.4	06	3.5	06	3.0	09	4.7	10	3.4	09	4.2	08	4.3	4.1
Noon	20	4.3	26	2.7	25	2.3	01	2.2	32	2.6	02	5.1	06	3.3	06	5.1	08	4.5	10	3.4	10	3.6	08	4.6	4.4
13	20	5.2	22	2.1	20	4.0	31	2.3	29	2.7	05	6.4	06	2.9	07	4.4	08	4.5	08	3.6	11	4.7	11	4.9	4.7
14	20	4.3	26	2.1	20	3.2	27	2.1	28	3.5	04	5.1	06	2.6	07	3.9	08	4.7	08	3.4	09	4.5	09	4.5	4.5
15	20	4.6	22	2.5	15	1.3	29	2.2	27	2.5	03	5.4	06	2.4	07	2.6	08	3.7	09	3.5	11	4.8	08	4.3	4.4
16	20	3.8	20	1.6	08	1.3	29	2.3	22	1.8	02	4.4	07	2.7	06	5.4	10	4.1	09	4.4	10	4.4	08	4.2	4.1
17	20	2.4	06	1.5	11	2.2	28	1.7	22	1.7	02	3.9	06	2.8	07	3.4	11	3.5	11	3.9	11	4.4	09	4.4	3.9
18	20	1.3	07	1.3	08	1.2	29	0.9	22	1.1	04	3.0	07	2.4	07	4.9	10	2.7	10	3.2	11	3.1	09	4.3	3.5
19	20	1.3	10	2.1	02	0.8	29	0.6	22	0.7	04	1.6	08	2.1	08	3.2	10	2.0	09	2.1	11	2.8	10	3.6	2.9
20	20	1.2	11	1.9	02	0.6	29	0.6	22	0.6	04	1.2	08	2.3	08	3.3	10	1.7	11	2.5	09	2.7	09	2.9	2.7
21	12	1.5	11	1.8	04	1.3	29	0.7	22	1.1	07	1.6	08	2.7	09	2.7	10	2.2	11	1.8	09	1.9	09	2.3	2.6
22	12	1.2	11	1.3	05	1.2	29	1.3	12	1.1	07	1.6	08	2.0	09	2.7	10	1.9	10	2.7	08	2.4	09	3.2	2.7
23	12	1.2	11	1.8	05	1.5	29	1.2	12	0.7	07	1.8	08	2.5	08	3.2	10	2.0	10	1.6	08	3.7	09	2.5	2.7

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS) FEBRUARY, 1941

	Force (0-12)			Direction															
Hour	8 or above	4 to 7	10 to 3	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
3	-	-	28	-	-	-	2	9	7	7	-	-	1	1	-	-	-	1	-
9	1	-	27	-	-	4	-	12	6	4	-	-	1	1	-	-	-	-	-
15	3	2	23	-	-	2	4	10	1	4	-	2	-	2	1	-	-	2	-
21	-	-	28	-	-	2	1	12	2	7	-	1	-	1	1	-	-	1	-
Totals				-	-	8	7	43	16	22	-	3	2	5	2	-	-	4	-

TABLE XIVA - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY, FOR FEBRUARY, 1941

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
	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	..	0.8	..	0.1	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..
2	..	0.1	0.2	..	..	..	..	..	..	3.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..
3	..	..	..	..	..	..	..	..	1.3	0.4	0.2	..	..	0.2	..	1.2	..	..	..	..	..	..	..	..	..	..	..	..
4	..	0.1	..	..	..	..	..	..	..	..	..	0.3	..	..	..	1.7	..	..	..	..	..	..	6.8	..	..	..	..	..
5	0.1	..	0.1	..	..	..	..	..	..	0.5	..	..	..	..	..	0.3	..	..	..	..	..	..	36.3	..	..	..	..	0.1
6	..	..	1.0	0.2	..	..	..	..	..	5.0	0.3	..	..	..	..	0.8	..	..	..	..	..	..	31.2	..	..	..	..	..
7	..	..	3.7	..	..	..	..	..	..	6.5	0.7	0.2	..	..	..	..	..	..	..	..	..	..	5.5	..	..	..	..	..
8	..	0.1	1.0	..	..	..	..	..	..	15.0	1.6	..	..	..	..	..	..	..	..	..	..	..	1.2	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	5.5	0.5	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	2.7	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	7.2	..	..	..	..	..	4.3	..	..	1.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	..	..	1.6	9.1	..	0.5	..	..	..	1.0	..	..	..	..	1.1	..	..	..	..	..	..	..	..	..	..	..	..	..
13	..	..	..	0.9	..	..	..	..	..	0.1			30.0	..	..	..	..	..	..	..	..	1.7	..	..	..	..	..	..
14	..	..	0.6	..	..	..	..	..	..	0.9	..	..	17.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	1.5	0.5	..	..	..	..	..	..	..	0.3	28.0	..	0.1	..	..	..	2.4	..	..	..	0.2	..	..	..	..	..
16	..	2.0	..	..	..	..	..	..	..	..	..	13.0	..	..	..	..	..	2.4	..	..	..	..	..	..	..	..	..	..
17	0.1	0.7	6.3	0.1	..	..	..	..	..	..	..	..	1.2	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..
18	..	..	0.8	0.2	..	..	..	..	..	..	0.5	..	..	..	..	..	..	0.7	..	..	..	..	..	..	..	..	..	..
19	0.2	2.0	14.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	0.3	..	1.2	..	..	0.1	..	0.2	..	..	3.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..
21	19.2	..	..	..	..	..	..	0.5	..	..	15.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	0.1	..	..	..	..	..	..	0.3	..	..	2.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	0.2	..	..	..	..	..	..	0.3	..	0.1	0.6	..	0.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	..	..	..	0.5	..	0.2	..	..	0.1	..	1.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XIVB - RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS, FOR FEBRUARY, 1941

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
	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	0.2	1.4	..	..	..	..	..	..	2.0	0.1	..	17.3	..	0.4	0.5	0.5	0.8	..	..	..	..	..	..	..	..	..	0.9	..
2	..	0.3	3.4	..	..	..	..	..	0.8	0.5	..	1.3	..	1.1	0.4	1.5	0.2	..	..	..	..	..	..	..	..	..	0.2	..
3	0.1	0.1	4.2	..	..	..	..	..	0.2	0.4	1.3	0.1	..	0.1	..	0.9	0.2	..	..	..	..	..	..	..	..	..	..	..
4	0.2	0.2	2.8	..	..	..	..	..	0.5	0.5	..	0.8	..	0.4	0.1	2.2	0.1	..	..	..	..	..	..	..	..	..	0.1	..
5	0.1	0.1	0.9	0.2	..	..	..	..	1.7	1.9	..	2.8	..	1.0	0.3	1.6	..	..	..	..	..	..	..	..	..	..	..	..
6	1.0	0.2	0.3	..	..	..	..	..	0.2	3.6	..	1.0	0.1	0.2	0.6	3.1	..	..	..	..	..	..	5.8	..	..	..	0.2	..
7	1.0	0.2	1.2	..	..	..	..	..	0.1	6.1	0.1	1.7	..	..	1.0	1.2	..	..	..	..	..	..	4.3	..	..	..	0.2	..
8	0.3	0.2	2.4	..	..	..	..	..	..	5.3	0.5	1.0	..	..	1.0	0.6	..	..	..	..	..	..	0.6	..	..	..	..	..
9	0.2	1.2	0.6	..	..	..	..	..	..	4.4	0.2	0.2	..	..	0.4	0.2	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	0.1	..	0.2	..	0.7	..	1.2	0.6	..	..	..	..	..	..	..	..	..	..	..	..
11	0.2	..	..	..	..	..	..	..	0.1	4.6	..	..	3.3	..	1.0	0.2	..	..	..	..	..	..	..	..	..	..	..	..
12	0.2	..	3.2	..	..	..	..	..	1.3	3.2	..	..	0.5	0.3	2.0	0.8	..	..	..	..	..	..	..	..	..	..	..	..
13	..	..	1.1	..	..	0.1	..	..	2.8	0.4	..	..	15.5	..	1.3	0.3	0.3	..	..	..	..	..	..	..	..	..	..	..
14	0.1	..	0.1	3.5	..	0.1	..	..	0.8	0.1	..	..	15.7	..	1.3	5.0	..	..	1.0	..	..	..	..	..	..	..	..	..
15	..	2.5	0.1	6.0	..	0.1	..	..	..	..	..	..	4.1	..	3.6	2.0	..	..	..	..	..	..	..	..	..	..	..	..
16	0.5	6.8	6.8	..	..	..	..	..	..	..	..	0.1	6.2	0.4	0.8	1.0	..	..	..	..	..	..	..	..	..	..	..	..
17	1.0	..	6.7	..	..	..	..	..	..	..	0.9	..	3.0	0.3	2.7	0.1	0.2	..	..	..	..	..	..	..	..	..	..	..
18	0.1	..	0.8	..	..	0.2	..	..	..	..	..	0.1	..	0.1	1.5	0.1	..	..	..	..	..	..	..	..	..	..	..	..
19	0.2	8.7	..	..	..	0.5	..	..	..	..	..	..	..	0.4	3.0	0.1	..	..	..	..	..	..	..	..	..	..	..	..
20	0.2	0.2	..	..	..	..	..	..	..	..	0.3	..	..	0.3	0.1	0.2	..	..	..	0.3	..	..	..	..	..	..	1.0	..
21	0.5	..	..	..	..	..	..	1.9	..	..	2.3	..	0.2	0.4	2.0	0.7	..	..	..	..	..	..	..	..	..	..	..	..
22	0.9	..	..	..	..	..	..	1.1	..	..	5.0	..	0.2	0.7	3.9	..	..	..	..	..	..	..	..	..	..	..	3.4	..
23	0.4	..	..	..	..	..	..	0.4	..	0.1	3.7	..	0.4	0.4	1.5	..	..	..	..	..	..	..	..	..	..	..	0.3	..
24	0.4	..	..	..	..	..	..	0.5	2.2	0.3	10.3	..	1.5	1.2	0.9	0.7	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XV - TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR FEBRUARY, 1941

RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall		Normal in Inches	Number of days
			Inches	Millimetres		
1	Mare Seche	20	14.95	379.7	5.59	12
	St Antoine	50	12.06	306.3	6.31	12
	Bel Mont	50	10.81	274.6	6.90	10
	Poudre d'Or	20	12.29	312.2	6.48	10
	Mon Loisir S.E.	300	9.46	240.3	7.77	17
	Forbach	300	8.37	212.6	7.29	10
	Couroupa	...	14.19	360.3	6.36	12
	Labourdonnais	290	13.66	347.0	8.42	15
	Mapou Water Office	...	11.64	295.7	...	11
	Beau Sejour	300	13.32	338.3	9.24	16
	Mont Piton	650	13.64	346.5	10.41	15
	Mon Choix	700	12.92	328.2	9.71	15
	Antoinette	640	18.31	465.1	9.99	19
	Mon Songe	620	16.88	428.8	9.94	18
	Botanical Gardens	325	13.32	338.3	8.97	23
	The Observatory	179	13.73	348.7	7.51	19
	Solitude	175	...	...	5.19	..
	St Andre (Cour)	90	...	...	6.29	..
	La Nicoliere	...	17.48	344.0	11.87	23
	California	...	19.11	485.4	11.70	15
	Australia	...	18.12	460.2	...	17
2 & 3	Union Regnard (Flacq S.E.)	600	15.55	395.0	10.21	17
	Constance d'Arifat (L.G.)	100	13.04	331.2	8.53	17
	Rich Fund	600	16.13	409.7	9.71	23
	La Joffrette	...	16.03	407.2	...	20
	Belle Vue (Allendy)	...	12.57	319.3	8.80	16
4	Sans Souci	900	32.60	828.0	16.13	21
	Beau Champ (G.R.S.E.)	20	...	...	7.44	..
	Olivia	400	...	...	10.81	..
	Trois Ilots	...	...	...	...	..
	Belle Rive	400	...	...	10.44	..
	Sebastopol	700	...	...	...	..
	Bonne Veine	400	27.44	697.0	15.48	19
5	Rose Belle	850	...	...	17.65	..
	New Grove	650	38.54	978.9	...	23
	Mon Tresor	...	25.45	646.4	...	16
	Mon Desert (Carie)	75	20.24	514.1	8.04	18
	Ferney	20	22.61	574.3	11.45	15
	Sauveterre	...	23.08	586.2	...	20
	Tivoli	1300	33.74	857.0	17.69	24
	La Flora	1050	25.99	660.1	16.07	20
	Riche Bois (Brit.)	650	21.22	539.0	10.72	18
6	Britannia Estate	700	22.00	558.8	13.93	18
	Savannah Mill	200	17.61	447.3	10.32	18
	St Aubin	300	13.37	339.6	9.35	19
	St Avold	900	26.00	660.4	15.01	21
	Colmar	400	22.99	583.9	11.08	18
	Union S.E.	...	18.86	479.0	8.54	16
	Fontenelle	320	17.51	448.8	8.61	16
	Choisy	200	17.70	449.6	7.45	16
	Beau BOIS	...	30.56	776.2	13.86	19
	Bel Air	...	18.44	468.4	8.70	11
	St Felix	...	22.30	566.4	...	13
7, 8, 9 & 10	Bel Ombre	40	17.70	449.6	8.49	15
	Beau Champ (B. du Cap)	70	15.89	403.6	7.82	15
	Frederica	...	17.38	441.5	...	12
	Pierrefonds	...	8.85	224.8	7.96	15
	Ste Marie	...	17.37	441.2	...	15
	Hussonia	...	6.83	173.5	...	14
11	Curepipe Gardens	1840	20.59	523.0	17.16	18
	Mare-aux-Vacoas (G.E.)	1850	22.01	559.1	18.33	20
	Mare-aux-Vacoas (Arnaud)	1830	25.14	638.6	18.39	23
	La Marie Filter Beds	1700	16.91	429.5	14.60	19
	Sophie	...	20.49	520.5	...	20
	Reunion	1420	13.98	355.1	13.60	18
	Aerological Station	1393	13.16	334.3	13.15	19
	Phoenix	...	13.63	346.2	11.45	15
	Quatre Bornes	...	12.63	206.5	...	17
12	Quatre Bornes (Board)	1090	10.40	264.2	...	9
	Le Reduit (D of A)	1000	10.72	272.3	10.05	28
	Alma	1460	24.00	609.6	18.15	19
	Bagatelle	1250	22.19	563.6	14.10	18
	Highlands	1300	19.58	497.3	12.08	18
	Trianon	950	11.65	295.9	10.77	16
	Val Ory	1100	10.93	277.6	10.75	17
	Bassin	...	9.40	238.8	9.20	14
	Hermitage	1450	21.65	549.9	15.57	20
	Ebene	...	11.14	283.0	...	19
	Bega	...	8.81	223.8	...	19
	Mon Reve	...	14.20	360.7	...	20
	Mont Pevril	...	13.61	343.2	...	20
	Minissy	1150	16.62	422.1	12.10	20
	Plaisance	...	22.62	574.5	...	15
	La Ferme	350	6.22	158.0	7.40	14
	Line Barracks	...	9.26	235.2	...	16
	Richelieu Tobacco Res. Stn.	...	7.85	199.4	...	14

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE AEROLOGICAL STATION, VACOAS , 424.5 METRES ABOVE SEA LEVEL, DURING THE MONTH OF FEBRUARY, 1941

Day \ Type	Time	St & Fs		Cumulus Cu.St & c.		Alto Cu. Alto. St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	St & Fs.		Cumulus Cu. St. & c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height		Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height
		0		0		0		0		0		0			0		0		0		0		0		0	
1	9½	...	...	110	22.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	9	...	...	83	12.7	...	...	...	...	...	...	...	...	15	...	...	69	8.8	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	95	6.6	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	94	5.9	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	9	...	...	60	17.1	...	...	...	...	...	...	...	...	15	...	...	88	9.0	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	9	...	...	125	11.8	...	...	...	...	...	...	...	...	15	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	210	6.4	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	...	...	...	...	...	...	...	...	...	...
21	9	...	...	15	...	...	...	...	...	...	...	...	...	15	...	...	305	3.0	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	65	5.2	...	...	...	...	...	...	...	...
25	9	...	...	85	14.7	...	...	...	...	...	...	...	...	15	...	...	92	9.9	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	88	8.1	...	...	...	...	...	...	...	...
27	9	...	...	95	14.0	...	...	...	...	...	...	...	...	15	...	...	115	7.1	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The Direction is that fromwhich the Cloud travels counting North (0^0), East (90^0), South (180^0). The Velocity-Height Ratio is given in milliradians.

MAURITIUS
ROYAL ALFRED OBSERVATORY

LATITUDE $20^{\circ}5'$ 39"S., - LONGITUDE 3^{h} 50^{m} 12.6"

RESULTS
OF
MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

MARCH, 1941

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DIRECTOR

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TABLE I - RESULTS OF MAGNETICAL OBSERVATIONS MADE DURING THE MONTH OF MARCH, 1941

Month and Day 1941	Mean Declination (West)	Mean Horizontal Force (C.G.S. Units)	Mean Vertical Force (C.G.S. Units)	Daily Range: Declination	Daily Range: Horizontal Force (Unit γ)	Daily Range: Vertical Force (Unit γ)	H.R.h. 10,000	Z.R.z. 10,000
March								
1	14°07.2'	...	...	31.0	...	...	...	...
2	08.7	...	...	12.0	...	...	...	...
3	05.5	.22345	.29929	10.5	43	22	96	65
4	06.4	356	921	9.0	62	32	139	96
5	...	...	...	...	...	...	...	...
6	05.3	371	920	8.8	42	20	94	60
7	05.8	381	913	10.0	48	30	108	90
8	05.8	...	911	7.5	...	22	...	65
9	05.9	392	911	9.0	33	22	74	65
10	...	...	...	...	...	...	...	...
11	05.6	403	905	11.0	37	32	83	96
12	06.7	395	909	9.0	51	22	114	65
13	06.4	409	903	9.5	59	31	132	93
14	05.8	...	909	14.0	...	34	...	102
15	06.1	...	912	8.0	...	14	...	42
16	05.6	...	904	11.0	...	31	...	93
17	06.2	...	902	8.6	...	21	...	62
18	05.6	416	903	11.0	62	23	139	69
19	05.8	...	903	13.0	...	31	...	93
20	07.0	...	906	6.0	...	21	...	62
21	...	393	901	...	48	39	107	116
22	...	...	...	...	...	...	...	...
23	06.6	391	905	5.5	60	17	134	51
24	05.9	401	902	7.0	56	26	125	78
25	06.7	401	901	6.5	63	25	141	75
26	06.1	406	902	5.5	32	19	72	57
27	06.4	410	901	8.5	29	21	65	62
28	06.9	391	906	14.0	51	32	114	96
29	06.5	398	909	8.0	78	24	175	72
30	06.9	375	913	9.5	61	16	135	48
31	05.6	357	917	6.5	70	24	157	72
Mean	14°06.26'	.22389	.29908	10.00	51.8	25.0	116.0	74.8

Description of the Principal Magnetic Disturbances

Horizontal Force : 1d 7h 55m - Sudden commencement of one of the most violent storms of recent times. At first rapid increase of 55 γ followed by minor oscillations. From 10h20m, rapid decrease in force amounting to about 65 γ followed by almost complete recovery. From 11h20m the major phase of the storm begins; the decrease in force is sustained and amounted to more than 330 γ when the registration went off the sheet and was not resumed before the 2nd 3h when gradual recovery with only minor irregularities or waves (less than 30 γ) are found occasionally in the trace. 3rd, 4th, 5th and 6th are still disturbed with irregular features in parts. Trace becomes quiet on 7th. 3rd - Succession of three wave form fluctuations (30 γ) between 19h and 24h. 4th - sharp peak of large negative wave (55 γ) at 19h15m. 5th - irregular features (not exceeding 40 γ) at times. 6th - Gradual subsidence of storm. 8th and 9th - slightly disturbed in parts. 10th slightly disturbed trace without any sharp features. 12th & 13th - moderately disturbed. Bay (+ 25 γ) between 1.30 and 3h on 12th. 15th - disturbed, irregular features with small oscillations superposed. 19th - disturbed during second half - large bay (- 105 γ). 20th - moderately disturbed, mainly small pulsations of an irregular nature. 21st - slightly disturbed with important bay at end - succession of waves (25 γ). 23rd - slightly disturbed with small positive wave at 21 h. 24th - positive wave (30 γ) centred at 1h 50m. 28th at 3h - very gradual commencement of a moderate storm (165 γ abs. range.) An irregular increase in force takes place until 10h 40m. followed by extensive decrease, in wide irregular fluctuations; height of storm 21h to 21.30. Fluctuations 30 γ 40 γ to 55 γ. Storm subsides after 1h on 29th. 29th - disturbed during second half - important fluctuations irregular (50 γ at times) at end. 30th and 31st - disturbed. Large irregular features (75 γ to 100 γ) between 30th 20h and 31st 4h. Abrupt increase of 25 γ at 20h 35m 30th. 31st - sharp peak wave of 55 γ centred at 15h 45m.

T = .37359: Mean Dip = 58°10.90' : X = .21714: Y = -.05456: Z = .29908

* 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 MARCH, 1941

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.	° '	
11.13.31	14.00. 9	8. 9.51	.22419	11.13.39	53 .07.38	.29886
18.14.17	13.59. 5	13. 9.35	.22414	18.14.25	53.06.38	.29890
25.14.27	14.03. 6	15. 9.23	.22375	25.14.40	53. 09.12	.29895
		20. 9.49	.22402			
		22. 9.29	.22375			
		27.12.09	.22430			
		29. 9.38	.22412			

TABLE III - MAGNETIC DECLINATION (WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

MARCH, 1941

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day / Hour
								13°									
Midnight	655	730	650	667	...	675	667	655	670	...	665	680	665	670	660	667	Midnight
1	655	730	665	665	...	680	665	665	655	...	665	675	670	660	670	667	1
2	655	715	640	663	...	665	664	650	660	...	665	667	670	680	670	659	2
3	655	700	660	665	...	660	663	660	660	...	665	680	685	685	645	660	3
4	645	675	655	660	...	663	662	647	665	...	663	677	680	683	660	665	4
5	645	660	643	640	...	657	665	670	660	...	660	678	680	660	670	670	5
6	650	650	642	643	660	645	660	655	657	660	660	680	675	655	673	673	6
7	640	685	650	660	655	660	670	640	660	655	670	690	685	670	675	675	7
8	680	710	675	690	660	670	680	680	690	680	700	705	700	683	690	700	8
9	675	745	695	700	680	670	705	700	705	690	715	720	700	700	700	697	9
10	730	755	690	710	683	663	695	680	700	690	680	710	690	700	695	680	10
11	740	750	680	710	695	650	675	670	690	670	645	685	680	670	665	660	11
Noon	620	723	660	687	675	630	643	640	660	660	625	655	647	620	640	620	Noon
13	540	690	610	650	690	610	610	625	635	640	610	640	610	605	623	600	13
14	530	660	605	620	635	597	605	625	620	640	605	630	605	575	620	590	14
15	580	645	590	620	625	600	615	625	615	630	613	630	615	560	625	600	15
16	620	635	610	620	620	620	625	635	623	640	627	640	635	620	635	630	16
17	590	647	640	640	640	643	645	647	640	650	650	647	655	660	650	650	17
18	570	655	650	655	655	660	653	660	650	655	655	643	660	665	662	657	18
19	800	670	660	670	660	665	660	667	655	655	655	650	660	670	661	663	19
20	780	680	690	675	675	665	665	655	660	657	650	660	665	675	662	665	20
21	830	680	683	677	670	673	670	667	660	660	660	655	662	685	663	667	21
22	840	665	675	675	680	685	670	670	660	670	662	657	660	677	665	665	22
23	770	683	680	670	670	670	675	675	665	663	665	663	680	680	670	663	23

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Day / Hour
Midnight	663	665	665	670	670	...	680	675	670	670	667	665	690	677	680	671	Midnight
1	665	665	665	670	675	...	680	675	673	673	670	670	620	655	675	668	1
2	665	665	670	670	655	...	677	650	670	675	670	670	665	670	665	667	2
3	670	666	655	670	670	...	660	670	680	675	673	673	670	650	690	668	3
4	670	667	667	673	660	...	663	675	680	675	675	655	680	675	660	667	4
5	673	665	670	665	660	...	665	675	677	675	670	667	665	675	600	663	5
6	675	665	672	665	...	...	670	680	680	670	675	675	650	675	615	662	6
7	675	660	677	685	...	...	680	667	685	673	680	690	675	655	620	669	7
8	685	675	700	680	...	...	695	680	697	680	700	710	685	670	620	686	8
9	700	695	725	700	...	...	687	680	700	680	700	715	685	670	640	696	9
10	703	693	715	700	...	...	685	670	685	670	690	685	665	670	670	692	10
11	680	670	680	690	...	...	677	660	670	650	675	655	647	650	665	696	11
Noon	650	635	640	680	...	...	657	635	647	640	645	635	640	643	645	647	Noon
13	625	600	610	660	...	...	647	617	640	635	627	605	630	625	625	623	13
14	617	585	600	645	...	...	645	610	635	625	615	575	635	615	630	612	14
15	620	597	595	640	...	...	640	615	635	630	620	630	642	650	640	618	15
16	627	620	605	640	...	...	640	627	645	640	640	645	655	660	657	632	16
17	640	645	623	660	...	...	645	645	655	650	653	653	665	670	675	648	17
18	655	665	645	660	...	...	655	665	660	660	663	675	680	683	680	657	18
19	660	667	655	667	...	665	663	667	665	665	663	690	680	690	680	671	19
20	665	667	657	670	...	680	660	665	665	665	665	700	697	695	682	674	20
21	667	670	660	675	...	675	667	670	663	665	665	685	685	725	680	678	21
22	667	670	675	675	...	680	670	670	667	665	665	710	685	700	680	679	22
23	667	670	667	675	...	670	680	670	673	667	667	680	710	710	680	679	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)

M A R C H , 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	419	...	343	350	...	357	362	...	370	...	393	387	395	...	...	...	Midnight
1	429	...	334	351	...	360	368	...	395	...	393	383	400	...	...	...	1
2	428	...	350	355	...	370	369	...	393	...	398	397	395	...	...	...	2
3	427	175	341	360	...	365	370	...	397	...	400	373	405	...	...	...	3
4	432	203	341	362	...	365	372	...	390	...	399	383	403	...	...	...	4
5	433	200	345	377	...	368	371	...	392	...	400	388	410	...	...	...	5
6	429	217	344	375	370	371	380	...	399	405	398	390	418	...	...	...	6
7	437	238	348	371	389	378	388	403	398	409	400	393	415	...	379	391	7
8	445	252	343	371	360	382	390	405	396	400	403	397	405	...	377	390	8
9	465	265	343	353	360	375	390	410	396	389	407	391	410	...	380	387	9
10	489	265	351	345	368	386	399	421	395	398	421	401	425	...	395	405	10
11	475	272	355	340	375	385	408	423	396	412	427	417	430	...	423	423	11
Noon	462	267	356	360	376	390	409	427	400	419	425	419	440	...	418	431	Noon
13	373	275	370	372	377	399	410	423	403	421	423	421	437	...	400	425	13
14	325	273	358	360	367	385	392	413	400	414	418	413	430	...	412	420	14
15	325	273	358	360	367	385	392	413	400	414	419	413	430	...	412	420	15
16	310	286	327	361	343	367	380	391	390	398	399	410	407	...	380	397	16
17	350	298	335	359	327	365	377	380	383	391	390	397	403	...	370	390	17
18	...	303	340	355	340	365	373	379	382	389	391	370	402	...	377	391	18
19	...	308	333	315	357	363	372	379	385	391	396	377	402	...	378	395	19
20	...	307	345	330	350	368	369	380	385	392	402	383	395	...	380	395	20
21	...	310	335	343	340	362	368	379	389	392	402	390	390	...	381	395	21
22	...	326	343	365	360	363	365	375	390	395	396	391	387	...	372	395	22
23	...	326	350	370	362	362	370	369	390	397	395	392	381	...	390	395	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	...	392	409	...	389	390	382	377	396	400	402	413	345	373	360	378	Midnight
1	...	399	...	...	395	380	378	385	391	397	403	412	400	401	320	382	1
2	...	399	...	...	400	377	377	420	412	401	406	418	385	379	350	388	2
3	...	402	...	...	397	385	385	397	399	402	406	421	379	390	357	387	3
4	...	403	...	...	392	385	387	391	396	404	408	425	390	383	350	386	4
5	...	412	...	...	395	387	390	389	400	403	408	420	383	386	365	390	5
6	...	415	...	...	393	390	390	391	400	405	409	425	395	380	380	392	6
7	410	420	411	...	392	387	390	392	401	405	409	413	400	382	353	392	7
8	415	427	412	...	393	391	391	397	400	407	408	417	397	379	370	393	8
9	420	429	411	...	407	378	400	401	405	409	412	450	410	385	360	396	9
10	428	432	435	405	418	393	412	415	412	411	423	451	415	395	365	404	10
11	429	441	435	398	413	...	420	425	427	417	425	440	420	400	375	408	11
Noon	432	454	435	391	417	...	429	432	428	429	431	440	423	381	383	413	Noon
13	423	450	432	390	410	...	420	433	410	425	427	435	417	380	362	411	13
14	420	445	423	380	395	...	406	416	400	410	415	385	410	379	365	399	14
15	415	430	415	373	383	...	390	405	402	402	406	355	403	365	328	387	15
16	397	417	375	369	377	...	385	395	398	398	403	372	399	362	313	382	16
17	398	407	331	365	370	...	377	390	391	399	402	345	390	345	350	377	17
18	395	403	329	367	372	370	379	391	393	401	403	318	372	350	357	375	18
19	399	405	345	369	379	373	380	389	395	402	405	300	373	337	350	373	19
20	397	405	372	363	375	377	380	387	397	401	406	335	365	369	350	377	20
21	397	400	375	373	378	370	385	393	392	401	406	340	390	355	352	381	21
22	397	402	...	375	378	389	369	397	392	401	405	340	370	350	358	378	22
23	397	405	...	373	413	385	380	402	395	402	408	355	395	323	363	382	23

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

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

MARCH, 1941

29000 + (C.G.S. UNIT)

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	897		929	927		924	919	911	914		908	911	909	913	913	913	Midnight
1	897		930	927		928	918	913	913		908	909	908	908	910	913	1
2	896		927	926		921	918	915	911		908	910	908	908	910	908	2
3	895		929	923		922	918	913	911		907	911	910	907	910	908	3
4	894	969	928	923		921	918	913	912		908	912	907	907	907	907	4
5	894	967	926	921		920	918	914	912		909	912	907	903	909	907	5
6	894	965	924	919		917	918	914	912		909	913	907	906	910	907	6
7	894		926	923	919	918	917	910	912	911	911	916	910	909	913	910	7
8	903		934	932	922	922	921	918	919	917	916	919	914	915	917	914	8
9	901		935	934	926	919	923	918	920	916	912	918	913	920	916	911	9
10	893		930	935	927	913	913	908	915	911	896	911	905	917	911	913	10
11	888	962	929	926	928	912	902	903	906	907	888	905	899	898	905	891	11
Noon	863	947	925	911	921	911	893	897	900	904	884	897	890	886	903	884	Noon
13	852	937	915	903	913	908	891	896	898	900	885	897	883	888	910	883	13
14	876	927	918	905	908	909	894	903	899	902	889	898	883	890	913	886	14
15	892	927	923	907	907	916	905	908	901	905	896	902	890	900	915	891	15
16	904	924	932	909	912	924	911	915	908	910	905	907	897	914	916	899	16
17	901	928	937	914	920	926	913	917	913	913	909	908	903	923	917	906	17
18	910	932	935	919	921	925	916	917	914	913	911	909	903	918	916	907	18
19		934	933	923	921	923	917	916	913	912	911	911	903	918	914	907	19
20		936	935	927	922	923	917	914	913	912	911	912	905	918	914	907	20
21		936	931	926	924	922	915	914	913	911	911	911	907	919	914	908	21
22		932	928	924	927	925	915	913	912	913	909	911	907	916	915	908	22
23		934	932	924	921	922	915	914	912	911	909	912	911	913	914	908	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	908	907	907	911	910	908	908	907	903	903	903	903	914	912	919	912	Midnight
1	908	907	907	913	908	908	907	907	904	903	903	902	904	908	919	911	1
2	907	907	907	912	906	908	908	902	903	903	903	901	908	913	919	910	2
3	906	905	907	910	908	907	906	906	903	903	903	901	909	907	920	910	3
4	905	904	904	908	908	908	906	907	904	903	903	901	907	912	912	910	4
5	904	904	904	908	907	908	906	907	905	904	904	901	909	910	909	909	5
6	904	903	904	908	907	907	907	907	907	905	905	902	908	911	910	909	6
7	906	901	904	908	907	908	910	906	911	906	906	905	912	912	912	911	7
8	907	904	910	909	913	911	911	909	910	908	907	913	913	915	920	915	8
9	908	908	910	912	910	912	906	907	903	906	906	909	912	917	922	914	9
10	908	908	901	910	902	901	908	902	896	904	901	897	905	916	923	909	10
11	903	903	888	904	887		903	895	888	897	895	890	903	910	920	902	11
Noon	894	896	883	896	878		896	892	886	895	891	893	903	906	912	896	Noon
13	890	888	883	893	874		894	884	890	891	887	891	899	904	909	894	13
14	887	886	885	892	879	+	894	883	894	889	886	894	900	905	913	895	14
15	889	894	890	896	888		900	888	896	894	891	907	904	914	921	901	15
16	893	904	896	898	900		904	895	898	898	897	908	908	916	933	907	16
17	898	910	908	907	904		904	904	903	904	903	904	908	917	924	911	17
18	902	909	912	907	906		907	907	903	906	904	918	911	919	918	912	18
19	903	907	914	907	905	906	907	906	903	906	904	917	912	916	917	912	19
20	904	906	911	908	906	908	905	906	903	906	906	928	912	914	917	913	20
21	906	906	909	909	907	907	905	906	903	906	907	918	912	917	917	912	21
22	907	907	913	910	907	905	907	906	905	904	905	922	913	913	917	912	22
23	907	907	911	911	905	908	907	904	906	903	904	913	923	920	917	912	23

+ Gas light failed

TABLE VI - RESULTS OF METEOROLOGICAL OBSERVATIONS MADE AT THE AEROLOGICAL STATION VACOAS (424.5 metres above mean sea level) DURING THE MONTH OF MARCH, 1941

Month and Day 1941	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
MARCH	mbs	°C	°C	°C	%	mbs	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms	mins	hrs	%
1	963.5	26.9	4.0	21.0	70	24.9	80	1.8	8	22.1	26.4	25.9	22.1	28.6	22.3	6.3	...	...	9.1	73
2	964.3	27.4	4.1	21.2	70	25.2	CALM		1	20.2	26.5	26.1	23.1	30.1	20.2	9.9	0.5	3.0	7.6	62
3	963.7	26.3	2.8	22.2	78	26.8	CALM		4	20.6	25.3	28.5	23.2	30.3	20.0	10.3	...	...	8.1	66
4	963.7	26.9	3.2	22.2	76	26.8	315	1.3	4	20.9	26.1	27.4	24.1	29.8	20.8	9.0	...	...	8.7	70
5	964.4	23.9	0.8	22.7	93	27.6	CALM		9	22.1	23.8	29.2	23.7	30.7	22.0	8.7	3.6	25	5.8	47
6	965.7	27.4	3.0	23.0	77	28.1	CALM		8	21.8	27.1	29.6	23.9	30.5	21.8	8.7	...	...	6.7	55
7	967.9	26.4	1.7	23.9	86	29.7	"		10	22.5	26.0	25.9	22.6	28.4	22.5	5.9	6.4	100	1.2	10
8	967.9	26.5	3.0	22.1	77	26.6	45	0.8	4	22.0	26.2	27.0	22.8	28.9	22.0	6.7	...	...	5.7	47
9	967.1	25.6	2.4	22.0	81	26.4	CALM		7	22.0	25.3	27.3	22.6	29.0	21.9	7.1	1.7	15	8.9	73
10	966.3	26.2	3.5	20.9	73	24.7	70	4.5	4	21.9	25.9	27.9	22.1	29.0	21.9	7.1	1.0	30	10.7	87
11	967.5	24.1	0.7	23.1	94	28.3	90	1.8	10	21.1	24.1	25.8	21.9	26.8	20.8	6.0	...	...	7.1	58
12	967.0	25.7	2.6	21.9	80	26.3	90	4.0	4	20.9	25.4	27.0	22.1	28.6	21.0	7.6	5.0	15	10.6	87
13	967.6	25.9	3.3	21.0	75	24.9	85	1.4	8	21.1	25.6	27.9	22.0	28.5	21.1	7.4	...	...	10.6	87
14	967.5	25.3	1.6	23.0	87	28.1	80	3.5	8	21.1	24.9	26.8	21.4	27.7	21.0	6.7	...	...	10.5	86
15	967.3	25.5	3.0	21.0	76	24.9	90	2.7	4	20.9	25.0	25.5	21.9	28.0	20.5	7.5	...	...	8.4	69
16	965.3	26.1	2.5	22.4	81	27.1	75	0.9	4	21.1	25.5	21.1	21.0	28.4	21.0	7.4	50.2	225	6.0	49
17	962.7	25.9	3.4	20.8	74	24.6	45	2.2	9	21.0	24.5	26.7	22.4	27.8	21.0	6.8	...	...	6.4	53
18	961.8	25.7	2.0	22.8	84	27.8	CALM		10	21.5	24.5	25.4	22.5	28.3	21.2	7.1	4.5	80	1.7	15
19	963.2	23.5	0.8	22.3	93	27.0	55	3.1	10	21.9	22.6	25.3	22.9	26.3	21.9	4.4	4.3	230	4.9	41
20	964.4	23.3	0.4	22.7	96	27.6	50	8.0	10	22.2	22.8	23.3	21.5	24.8	21.7	3.1	3.3	230	3.4	29
21	965.9	24.2	1.5	22.0	88	26.4	60	8.5	8	21.6	23.5	24.2	24.6	26.0	21.0	5.0	...	...	5.0	42
22	965.9	23.9	3.6	17.9	69	20.5	60	4.9	10	21.7	22.0	25.0	21.1	26.0	20.9	5.1	0.4	5	3.2	27
23	964.0	23.7	3.2	18.7	74	21.6	60	1.4	10	20.7	22.4	25.5	21.2	26.8	19.4	7.4	...	...	1.3	11
24	965.6	24.0	1.2	22.2	90	26.8	65	3.5	9	20.2	23.0	23.9	20.9	25.0	20.0	5.0	0.6	25	3.4	29
25	966.6	24.9	2.1	21.8	83	26.1	90	2.7	9	20.8	24.2	25.0	22.1	26.0	20.3	5.7	1.4	15	5.4	45
26	966.2	24.6	2.1	21.5	82	25.6	45	4.5	9	21.7	24.3	26.1	22.7	27.6	22.0	5.6	...	...	7.8	65
27	965.4	24.2	1.1	22.6	91	27.4	45	3.7	10	22.7	23.6	25.8	23.4	26.7	22.1	4.6	...	...	0.4	4
28	965.2	25.9	2.2	22.7	83	27.6	30	0.3	10	22.7	24.9	27.4	23.3	28.8	22.1	6.7	...	...	4.9	42
29	966.0	27.9	2.7	24.0	79	29.8	CALM		7	22.1	27.1	28.2	23.0	30.9	22.0	8.9	1.0	20	7.3	62
30	967.3	21.2	0.3	20.7	97	24.4	CALM		10	23.6	21.2	21.0	21.3	26.8	21.5	5.3	77.8	445	0.7	6
31	967.1	26.9	2.3	23.6	82	29.1	45	2.6	6	21.2	24.9	25.2	23.1	28.6	21.5	7.1	0.8	5	4.7	40
Mean	965.6	25.3	2.3	21.9	81.9	26.4	...	2.2	7.5	21.5	24.7	26.0	22.5	28.1	21.3	6.8	162.5	1595	6.0	49.6
Average	964.6	24.5	2.3	20.4	79.1	23.9	...	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	+ 40.0 mbs	Amount of Rain	- 78.7 mms.
Temperature of the Air	+ 0.8°C	Duration of Sunshine	+ 1.47 hrs
Vapour Pressure	+ 1.5 mbs	Mean of Maximum Temperatures	+ 1.7°C
Relative Humidity	+ 0.3 %	Mean of Minimum Temperatures	+ 2.1°C
Velocity of wind	+ 0.4 m.p.s.	Absolute Maximum Temperature	+ 1.1°C
Amount of cloud	- 2.4	Absolute Minimum Temperature	+ 1.7°C

Greatest Rainfall Intensity : 2.5 mms in 5 mins.

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF MARCH, 1941

Month and Day 1941	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 Pines Pluviograph	Duration		
March	mbs	mbs	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs	°C	mms	min	mms	
1	1003.4	- 1.5	30.0	23.9	6.1	26.5	+ 0.9	2.3	23.1	+0.9	82	0	28.3	23.2	0.0	...	[illegible]	4.8
2	1004.5	- 0.5	30.9	22.6	8.3	26.4	+ 0.8	2.4	22.9	+0.7	81	- 1	27.9	19.5	0.0	...	[illegible]	2.5
3	1003.5	- 1.5	31.6	22.5	9.1	26.8	+ 1.2	2.2	23.6	+1.4	82	0	29.1	20.0	[illegible]	[illegible]	[illegible]	3.0
4	1003.5	- 1.5	31.8	24.3	7.5	27.2	+ 1.7	1.8	24.6	+2.4	86	+ 4	31.0	20.7	0.9	60	5.0	5.5
5	1003.7	- 1.4	31.3	24.4	6.9	27.4	+ 1.9	1.8	24.8	+2.6	86	+ 4	31.3	21.8	13.6	160	5.9	4.5
6	1005.8	+ 0.7	32.0	24.6	7.4	28.0	+ 2.5	1.9	25.3	+3.1	85	+ 3	32.3	22.5	0.6	20	6.2	5.2
7	1008.2	+ 3.0	29.7	24.7	5.0	26.3	+ 0.8	1.3	24.4	+2.2	89	+ 7	30.6	22.9	8.8	240	5.2	6.8
8	1007.9	+ 2.7	30.2	24.2	6.0	26.5	+ 1.0	2.3	23.1	+0.9	82	0	28.3	23.5	0.0	...	3.9	2.8
9	1006.2	+ 0.9	30.0	23.9	6.1	26.4	+ 1.0	2.2	23.2	+1.1	83	+ 1	28.4	21.4	0.0	...	7.0	3.0
10	1006.8	+ 1.5	30.0	23.7	6.3	26.2	+ 0.8	2.3	22.8	+0.7	82	0	27.8	21.2	0.1	10	6.5	3.5
11	1007.8	+ 2.5	29.1	21.9	7.2	25.5	+ 0.1	2.6	21.6	-0.5	79	- 3	25.8	18.1	0.0	...	6.4	3.3
12	1007.6	+ 2.2	29.9	23.0	6.9	26.1	+ 0.7	2.9	21.8	-0.3	77	- 5	26.1	18.9	0.0	...	6.4	2.2
13	1008.1	+ 2.7	30.0	23.4	6.6	26.2	+ 0.9	2.8	22.1	+0.1	78	- 4	26.6	21.4	0.2	10	7.0	4.9
14	1007.9	+ 2.4	29.3	23.0	6.3	25.7	+ 0.4	3.0	21.2	-0.8	76	- 6	25.2	19.5	0.0	...	6.8	3.6
15	1007.2	+ 1.7	29.5	21.1	8.4	25.3	0.0	2.8	21.0	-1.1	77	- 5	24.9	17.3	0.0	...	6.8	2.9
16	1004.9	- 0.7	30.0	22.9	7.1	25.9	+ 0.7	2.7	21.9	-0.2	79	- 3	26.3	19.5	0.0	...	6.0	3.9
17	1002.2	- 3.5	30.2	23.1	7.1	26.2	+ 1.0	2.2	23.0	+0.9	83	+ 1	28.1	20.6	0.7	40	5.5	6.8
18	1001.6	- 4.2	30.2	24.0	6.2	26.5	+ 1.3	2.0	23.6	+1.5	84	+ 1	29.1	21.5	0.1	10	4.6	8.0
19	1002.8	- 3.0	29.0	23.9	5.1	26.0	+ 0.9	1.8	23.4	+1.2	86	+ 3	28.8	22.4	2.6	100	3.3	8.0
20	1004.9	- 1.0	28.2	24.2	4.0	26.0	+ 0.9	2.7	22.0	-0.2	79	- 4	26.4	22.9	2.2	100	4.5	9.0
21	1006.4	+ 0.3	28.5	24.5	4.0	25.9	+ 0.8	3.1	21.3	-0.7	76	- 7	25.3	23.0	0.0	...	7.5	6.5
22	1005.2	- 0.8	29.2	22.6	6.6	25.3	+ 0.2	3.2	20.4	-1.6	74	- 9	24.0	22.3	0.0	...	7.3	6.5
23	1003.9	- 2.1	28.2	21.2	7.0	24.6	- 0.4	2.8	20.3	-1.6	77	- 6	23.8	18.4	0.0	...	7.8	5.3
24	1005.8	- 0.3	27.2	21.7	5.5	24.0	- 1.0	2.0	21.0	-0.6	84	+ 1	24.9	18.5	0.6	30	4.8	4.9
25	1007.1	+ 1.0	29.1	22.2	6.9	25.6	+ 0.6	2.3	22.2	+0.3	82	- 1	26.8	19.1	0.8	10	3.8	4.3
26	1006.0	- 0.1	29.1	24.2	4.9	26.3	+ 1.3	2.5	22.6	+0.7	80	- 3	27.4	22.9	0.2	10	7.4	5.3
27	1005.1	- 1.1	28.5	24.9	3.6	26.3	+ 1.4	1.5	24.1	+2.3	88	+ 5	30.0	23.5	0.1	10	3.8	6.8
28	1005.4	- 0.8	31.2	24.3	6.9	27.1	+ 2.2	1.8	24.5	+2.7	86	+ 3	30.8	22.6	0.0	...	3.5	5.0
29	1006.1	- 0.2	32.0	23.9	8.1	27.2	+ 2.3	2.0	24.3	+2.5	84	+ 2	30.4	20.5	0.4	55	8.6	5.1
30	1006.3	0.0	26.9	22.8	4.1	24.8	- 0.1	0.6	23.9	+2.1	95	+13	29.7	20.5	51.9	330	5.4	7.7
31	1007.9	+1.5	30.1	23.0	7.1	26.2	+ 1.4	1.6	23.9	+2.2	87	+ 5	29.7	20.7	0.0	...	1.8	6.7
Mean	1005.6	0.0	29.8	23.4	6.4	26.1	+ 0.8	2.2	22.8	+0.8	82.2	-0.1	27.9	21.0	83.8 Sum	1195 Sum	5.8	5.1
Average	1005.6	...	28.9	22.3	6.6	25.3	...	2.3	22.0	...	82.3	...	26.4	19.9	220.4	2321	4.8	5.9
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

General Weather Conditions during the month of March, 1941

A weak moderate tropical disturbance which passed rather far east of Rodrigues during the 1st of the month dissolved far south of the Mascareignes on the 5th. Apart from a weak disturbance that formed off the east coast of Madagascar on the 17th and moved south and then south-south-west without affecting the Mauritius area conditions were exceptionally steady during the month.

Rainfall amounts were low with local moderate to heavy showers producing most of the seasonal rain. Royal Alfred Observatory thus got most of the rain on the 30th of the month and the total registered fall was only 38% of the normal.

TABLE VII (Cont'd) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF MARCH, 1941

Month and Day 1941	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									0h 3h 6h 9h 12h 15h 18h 21h 24h
1	11.5	92	2.7	- 0.6	25.1	26.9	28.4	29.2	bc c bc b bo
2	7.9	64	1.3	- 2.0	25.1	26.9	28.5	29.4	bp b bc c bc bo
3	9.8	79	1.6	- 1.7	25.1	27.0	28.6	29.2	bo bc c b
4	9.9	80	1.7	- 1.6	25.1	26.8	28.6	29.5	b bc cro bc
5	7.3	59	1.4	- 1.9	25.1	26.9	28.7	29.6	b bcro or c bcl bl
6	9.2	74	1.8	- 1.5	25.1	26.9	28.8	29.8	bo bc c bc c bcl b
7	2.2	18	1.8	- 1.5	25.1	26.8	28.9	29.8	bclro cro ct cl cro bc
8	11.4	93	2.7	- 0.6	25.1	26.9	29.0	29.5	b bc b
9	11.5	94	2.4	- 0.9	25.1	26.9	29.0	29.7	b bc b
10	11.6	94	3.0	- 0.3	25.1	26.9	29.0	29.7	bc bcro bc b
11	10.4	85	2.9	- 0.4	25.1	26.9	29.0	29.5	bo b bc
12	11.4	94	3.1	- 0.2	25.1	26.8	29.0	29.5	b bc b
13	11.3	93	2.8	- 0.5	25.1	26.9	28.9	29.4	bcro b bc c
14	10.9	89	3.2	0.0	25.1	26.9	28.9	29.4	b bc b
15	8.7	71	2.8	- 0.4	25.1	26.9	28.8	29.2	b bc
16	10.4	85	2.3	- 0.9	25.2	27.1	28.8	29.0	b bc b
17	6.7	55	2.0	- 1.2	25.2	26.9	28.8	29.1	b bcro cro bc c bcl bc
18	2.0	17	1.8	- 1.4	25.2	27.1	28.8	29.2	bc o bc bro
19	4.9	41	4.5	+ 1.3	25.2	27.1	28.7	28.9	oro c bc cro
20	6.2	51	5.8	+ 2.6	25.2	26.9	28.6	28.8	cro c o
21	5.7	47	4.9	+ 1.7	25.1	26.9	28.5	28.5	bc c bc
22	2.7	22	3.5	+ 0.3	25.2	27.1	28.5	28.2	bc c o bc o c bc
23	4.2	35	2.3	- 0.9	25.2	27.2	28.4	28.3	b bc c o bc b
24	5.5	46	2.8	- 0.4	25.2	27.2	28.4	28.1	b bc oro c bc b
25	8.0	67	3.3	+ 0.1	25.2	26.9	28.2	27.9	b bc cro bc
26	7.1	59	3.8	+ 0.6	25.2	27.1	28.1	28.1	bc c bc c bc bcro
27	0.2	2	2.3	- 0.9	25.2	27.1	28.2	28.2	bc bcro bc o c o bc b
28	7.0	59	1.9	- 1.3	25.2	27.2	28.2	28.3	bc c bc b
29	9.4	79	2.0	- 1.2	25.2	27.2	28.2	28.4	bl bc bclro bcltro
30	0.3	3	1.6	- 1.6	25.2	27.2	28.2	28.9	bcltro clro o ORR orrts o bc b
31	6.4	54	1.9	- 1.3	25.2	27.2	28.2	27.6	o c bc o bc b
Mean	7.47	61.3	2.64	- 0.60	25.15	26.99	28.63	28.93	
Average	7.15	58.6	3.24	...	25.39	27.07	28.01	28.22	
Column	19	20	21	22	23	24	25	26	27

MEANS AND EXCESS OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MARCH, 1941

Element	Highest	hrs	Date	Lowest	hrs	Date
Atmospheric Pressure	1,010.0 mbs	at 22 & 23	on 31st	1000.1 mbs	at 16 & 17 hrs	on 18th
Temperature of the Air	32.0°C	at 13.20 & 12.30	on 6th & 29th	21.1°C	at 04.00 hrs	on 15th
Daily Range of Temperature of the Air	9.1°C		on 3rd	3.6°C		on 27th
Temperature of the Dew Point	26.7°C	at 13.00 hrs	on 6th	19.2°C	at 2 & 3 hrs	on 15th
Minimum on grass				17.3°C		on 15th
Relative Humidity	98.3%	at 11.00 hrs	on 30th	56.3%	at 11.00	on 15th
Vapour Pressure	35.0 mbs	at 13.00	on 6th	22.2 mbs	at 2 & 3 hrs	on 15th
Evaporation in 24 hrs.	8.6 mms		on 29th	1.8 mms		on 31st
Wind velocity	7.2 mps	at 15.00	on 20th	0.6 mps	often	
Rainfall in 24 hrs.	52.3 mms	ending 14.00	on 30th			
Duration of Sunshine	11.6 hrs		on 10th	0.2 hr	on	57th

Mean Day Temperature of Air 27.82°C Average ... Mean Night Temperature of Air 24.44°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	Thunderstorm
...	8	15	8	...	11	2	1	1	1	6	1

TABLE VIII - ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS REDUCED FROM THE PHOTOGRAPHIC RECORDS;

(The values are corrected for temperature and for the effect of gravity, but are reduced to sea level)

(The cistern of the barometer is 55.2 metres above mean sea-level.)

MARCH 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day / Hour
Midnight	040	050	051	044	041	051	075	092	077	070	083	081	087	093	084	074	Midnight
1	034	050	047	040	038	050	075	089	070	064	081	080	081	090	090	080	1
2	031	050	039	038	030	047	070	084	063	061	076	073	078	081	080	061	2
3	030	046	031	031	023	041	069	080	059	057	071	070	074	076	074	053	3
4	027	041	030	023	023	042	071	076	056	056	070	065	075	073	072	050	4
5	029	044	031	030	026	047	072	074	060	060	071	068	080	075	070	050	5
6	030	048	036	031	033	054	077	078	061	064	076	070	084	078	071	051	6
7	031	052	040	033	040	059	076	081	067	067	080	073	090	081	076	053	7
8	038	058	040	040	048	069	086	090	070	072	083	078	094	083	079	056	8
9	043	056	040	040	052	070	090	092	072	078	089	080	092	086	081	061	9
10	043	051	040	043	051	065	092	090	071	080	090	081	092	086	081	060	10
11	040	050	036	040	050	063	091	089	068	075	088	081	088	083	079	057	11
Noon	035	044	032	039	043	060	087	080	061	070	080	078	081	080	073	050	Noon
13	027	041	027	034	033	056	090	077	059	063	075	071	075	073	069	040	13
14	021	036	023	030	023	051	074	069	051	060	069	068	070	070	062	031	14
15	020	030	020	027	020	047	073	061	048	055	064	065	065	066	060	031	15
16	020	029	020	026	018	051	073	061	047	053	066	065	064	068	060	031	16
17	023	031	023	025	020	054	080	067	048	056	069	069	066	070	060	031	17
18	030	039	027	030	027	056	082	071	050	063	071	072	069	071	061	038	18
19	036	041	033	031	036	059	086	074	056	071	078	077	076	075	066	042	19
20	040	041	042	038	042	064	090	080	062	074	082	083	081	080	072	047	20
21	046	050	047	041	050	074	093	082	069	081	086	088	089	083	076	050	21
22	051	051	050	046	055	076	099	082	073	086	089	089	094	084	076	050	22
23	053	053	050	045	053	074	097	079	075	084	086	087	094	084	076	048	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Day / Hour
Midnight	041	021	027	041	069	069	047	057	076	080	058	060	070	061	075	063	Midnight
1	036	016	022	040	065	060	039	051	072	075	051	057	067	059	073	059	1
2	030	012	022	033	060	051	031	045	070	070	045	050	059	051	070	054	2
3	027	010	023	031	057	052	030	041	069	067	041	043	057	049	065	050	3
4	021	007	021	031	056	051	031	040	066	062	036	044	059	047	064	048	4
5	021	009	023	037	058	048	034	041	064	061	040	046	062	051	063	050	5
6	023	010	027	041	061	051	040	044	066	060	049	050	066	058	069	053	6
7	023	016	031	045	064	063	043	050	073	062	052	051	070	061	075	057	7
8	026	020	039	050	067	068	049	056	076	066	062	057	072	069	080	063	8
9	029	022	040	052	071	069	048	063	077	070	064	060	071	074	081	065	9
10	033	026	040	054	072	072	049	067	080	069	060	060	071	080	081	065	10
11	029	021	035	053	071	069	046	071	075	070	060	058	067	081	082	063	11
Noon	022	020	031	050	067	058	035	063	070	061	059	051	058	079	081	058	Noon
13	017	013	022	044	059	044	030	058	064	050	051	049	050	062	078	052	13
14	010	009	015	040	054	035	022	051	061	046	041	046	047	057	074	046	14
15	007	007	016	040	049	030	020	050	058	043	038	046	046	059	071	043	15
16	009	001	017	042	049	031	024	050	056	044	039	045	047	051	072	043	16
17	010	001	019	047	049	040	030	055	061	048	041	046	050	051	077	046	17
18	014	009	022	052	051	042	032	062	067	050	046	050	053	050	081	050	18
19	020	012	026	060	057	047	043	069	071	051	052	054	060	058	087	055	19
20	022	021	032	066	067	052	050	072	080	056	059	063	064	067	092	061	20
21	028	026	040	069	074	058	051	077	082	061	061	069	068	072	098	065	21
22	026	031	042	070	073	055	056	080	085	061	062	070	068	079	100	068	22
23	024	030	043	072	070	050	060	078	084	061	062	071	065	079	100	067	23

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

MARCH 1941

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	31	Mean
Midnight	5	0	0	2	1	0	5	1	1	4	0	1	3	3	1	3	3	6	10	8	5	5	1	2	1	4	3	8	1	7	10	3.4
1	5	0	0	2	1	0	5	1	1	4	0	1	3	3	1	3	3	6	10	8	5	5	1	2	1	4	5	3	1	7	10	3.3
2	6	0	0	2	1	0	5	1	1	4	0	1	3	3	1	3	3	6	10	9	5	5	1	2	1	4	5	3	1	7	10	3.3
3	8	0	0	2	1	0	5	1	1	4	0	1	9	3	1	3	4	6	10	10	5	5	1	2	1	4	7	4	1	7	10	3.7
4	8	0	0	5	1	2	5	3	1	4	0	1	9	4	1	5	4	10	10	9	5	5	1	3	1	4	7	3	1	8	10	4.2
5	8	0	0	5	1	3	9	3	1	4	1	2	3	4	1	5	9	10	9	9	5	5	1	3	1	4	5	3	5	8	5	4.3
6	9	0	0	7	1	5	9	3	1	6	1	2	3	4	1	5	9	10	9	10	5	7	1	3	1	4	3	5	5	9	2	4.5
7	9	0	0	7	1	6	9	3	1	6	1	2	3	4	1	5	9	10	9	10	5	7	1	3	1	4	2	5	3	9	2	4.5
8	9	0	0	7	1	7	9	3	1	6	1	2	3	4	1	5	9	10	9	10	5	7	1	3	1	4	8	5	3	9	2	4.7
9	7	1	5	7	9	8	9	8	4	3	4	2	5	7	1	5	10	9	10	7	10	10	8	8	10	8	10	10	7	10	4	7.0
10	6	2	4	6	8	8	9	6	4	4	5	3	6	6	3	5	7	9	9	8	8	10	8	10	9	8	10	9	7	10	6	6.9
11	6	3	4	6	8	8	9	6	4	6	5	4	5	6	3	5	7	10	9	9	8	10	8	10	8	8	10	7	7	10	8	7.0
Noon	5	4	3	6	8	8	8	6	4	5	7	5	3	6	3	5	7	10	9	10	10	10	8	10	7	8	10	7	7	10	9	7.0
13	5	6	4	8	8	6	9	5	5	5	7	5	5	5	5	5	8	10	6	10	9	6	9	9	8	7	9	7	6	10	9	7.0
14	5	5	5	7	8	6	8	5	5	5	5	5	5	5	5	6	8	10	6	10	9	7	10	9	7	7	9	7	6	10	10	7.0
15	5	6	6	6	8	6	7	3	6	4	5	5	4	5	6	6	8	10	6	10	9	7	10	9	7	8	9	7	6	10	10	6.9
16	5	6	6	7	8	6	8	1	4	4	6	5	4	5	6	4	8	10	6	10	8	7	10	9	5	8	9	7	6	10	10	6.7
17	4	9	6	8	8	8	9	1	4	1	6	1	4	3	4	4	10	10	8	10	9	10	10	6	5	8	10	7	5	10	10	6.7
18	3	9	8	8	9	8	10	1	4	1	6	1	4	3	4	2	9	10	7	10	9	10	10	6	7	9	10	7	7	10	10	6.8
19	2	8	8	9	6	10	3	1	4	1	4	1	4	1	4	2	6	10	6	10	4	10	9	3	4	9	5	5	7	7	4	5.4
20	0	0	8	4	6	8	4	1	4	1	4	1	5	1	4	2	6	2	5	10	4	3	2	3	4	1	4	1	7	1	3	3.5
21	0	0	2	4	2	3	4	1	4	1	4	1	8	1	4	2	6	2	4	10	4	3	2	1	4	1	3	1	7	1	3	3.0
22	0	0	2	4	2	3	4	1	3	1	4	1	8	1	4	2	4	2	8	10	4	2	2	1	4	1	3	1	7	1	3	3.0
23	0	0	2	4	2	3	4	1	3	1	3	1	8	1	4	2	4	2	8	10	4	2	2	1	4	1	3	1	7	1	3	3.0

TABLE X - DURATION OF BRIGHT SUNSHINE AT EVERY HOUR OF THE DAY AS RECORDED BY THE CAMPBELL-STOKES SUNSHINE RECORDER

MARCH, 1941

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
7	40	46	40	19	1	34	4	45	40	45	48	45	48	20	31	37	35	0	0	4	0	0	0	34	30	6	2	1	14	0	31	11.5
8	60	60	60	60	17	60	0	60	60	60	60	60	60	55	60	60	47	16	0	32	30	0	22	50	50	49	8	0	54	0	60	21.2
9	60	60	51	60	0	33	38	60	60	60	60	60	60	60	60	60	24	3	15	60	60	0	45	42	35	60	0	24	60	0	60	22.2
10	60	60	60	60	40	60	8	51	60	60	60	60	60	60	60	60	38	30	0	60	60	0	40	47	17	60	0	25	60	0	60	22.9
11	60	60	60	60	57	30	15	60	60	60	60	60	60	60	60	60	52	43	0	45	60	0	14	0	49	60	0	56	60	0	60	23.0
Noon	60	43	60	60	40	39	21	60	60	60	48	60	60	60	60	60	49	26	1	26	45	0	38	16	54	60	0	60	60	0	33	22.0
13	60	24	60	60	60	51	0	60	55	60	60	60	60	60	37	60	14	3	34	41	45	29	25	10	55	18	0	60	46	0	32	20.7
14	60	33	60	60	40	60	1	60	60	60	60	60	60	60	20	60	14	0	60	60	20	60	16	0	18	32	0	45	60	0	24	20.4
15	60	44	60	60	50	60	38	60	60	60	56	60	60	60	35	50	44	0	59	34	18	60	37	5	50	11	0	23	45	0	0	21.0
16	60	16	42	55	56	45	7	60	60	60	44	60	60	60	39	20	45	0	52	10	0	11	17	52	58	39	0	44	46	0	16	18.9
17	60	29	14	42	27	40	0	60	60	60	25	60	60	60	23	60	26	0	60	0	5	0	0	60	60	30	0	43	14	0	8	16.4
18	49	0	19	2	48	42	0	50	53	50	41	40	30	40	39	39	11	0	12	0	0	0	0	17	5	0	0	41	43	16	0	11.5
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

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 1941

Day / Hour	1		2		3		4		5		6		7		8		Day / Hour
	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	
Midnight	25.1	1.1	23.9	1.0	23.8	1.2	24.4	1.1	25.3	1.0	25.5	0.9	25.2	1.0	24.7	0.9	Mid-night
1	25.0	1.0	23.6	0.9	23.4	1.3	24.1	1.0	25.1	1.1	25.2	0.9	25.2	1.0	24.4	1.2	1
2	24.9	0.9	23.2	0.9	23.2	1.2	23.8	0.9	24.9	1.1	25.3	0.7	25.3	0.8	24.5	1.3	2
3	24.9	1.0	22.9	0.9	23.0	1.1	23.7	0.8	24.8	1.1	24.9	0.7	25.9	0.9	24.5	1.5	3
4	24.9	1.0	22.9	0.9	22.9	1.0	23.7	0.8	24.6	1.0	24.8	0.8	25.3	0.4	24.2	1.4	4
5	24.8	1.0	22.7	0.9	22.5	0.9	23.3	0.9	24.5	1.0	24.9	0.8	25.2	0.6	24.4	1.4	5
6	24.6	0.9	22.9	0.9	22.6	1.1	23.6	1.0	24.9	0.8	24.7	0.7	25.1	0.6	24.5	1.5	6
7	25.8	1.6	24.9	1.7	24.0	1.0	25.2	1.2	25.6	0.8	27.0	1.0	25.5	0.4	25.9	2.1	7
8	27.2	2.2	26.8	2.3	27.0	1.9	27.9	1.8	26.1	0.8	28.8	1.8	26.0	0.9	27.1	2.4	8
9	28.0	3.0	28.1	3.3	28.1	3.0	28.8	2.8	26.8	0.8	28.9	1.9	28.5	1.6	28.2	3.2	9
10	29.2	4.0	29.1	4.6	29.8	2.8	29.4	2.7	28.1	0.6	30.0	2.9	28.8	1.8	28.1	2.9	10
11	29.0	4.0	30.1	4.1	30.5	3.4	30.8	3.1	30.1	2.6	30.6	3.3	29.0	1.9	29.2	3.8	11
Noon	29.4	5.3	30.5	4.3	30.7	3.8	31.3	3.4	30.1	2.9	31.0	4.2	29.4	3.4	29.2	3.7	Noon
13	29.5	4.4	30.0	3.8	31.3	3.9	31.2	3.7	30.9	3.4	31.9	3.8	26.0	1.9	29.3	3.4	13
14	29.4	4.4	30.0	3.8	31.0	3.9	30.9	3.6	30.7	3.5	31.3	3.8	26.5	2.3	29.4	3.6	14
15	29.1	5.4	30.7	4.0	31.1	4.0	30.5	3.1	31.1	3.3	31.6	3.8	29.1	3.0	29.3	4.5	15
16	28.6	3.9	28.9	3.9	30.1	3.5	29.8	2.5	31.2	4.0	30.6	2.9	27.7	1.5	29.1	4.4	16
17	28.0	3.4	28.1	3.7	29.1	2.9	29.1	2.0	30.1	3.3	30.1	2.8	26.0	1.0	28.3	4.3	17
18	26.7	2.7	27.6	3.3	28.9	7.8	28.7	1.7	29.0	2.3	29.5	2.3	25.6	0.6	27.1	3.1	18
19	25.6	1.7	27.0	2.4	28.0	1.9	28.0	1.7	27.9	1.7	28.1	2.4	25.1	0.7	26.0	1.9	19
20	25.0	1.3	25.6	1.6	26.1	1.6	27.1	1.2	27.0	1.0	27.4	1.3	25.0	1.2	25.3	0.7	20
21	24.5	1.2	25.0	1.7	25.9	1.6	26.5	1.3	26.4	1.3	26.9	1.3	25.1	0.9	25.0	1.1	21
22	24.3	1.1	24.2	1.2	25.3	1.2	26.0	1.0	26.0	1.0	26.2	1.2	25.0	0.9	25.0	1.3	22
23	23.9	0.9	24.0	1.3	24.8	1.2	25.5	1.0	25.4	1.2	25.9	1.2	24.9	0.9	24.7	1.1	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	
Midnight	24.2	1.0	24.5	1.1	24.2	1.3	23.8	1.5	24.5	1.5	24.1	1.3	23.2	1.4	23.6	1.3	Mid-night
1	24.1	1.0	24.1	1.0	24.1	1.4	23.7	1.6	24.0	1.4	24.0	1.4	22.5	1.4	23.4	1.3	1
2	24.1	1.1	23.9	0.9	23.9	1.7	23.1	1.2	23.8	1.2	23.7	1.4	22.1	1.4	23.0	1.0	2
3	24.0	1.1	23.8	0.9	23.2	1.2	23.1	1.2	23.6	1.2	23.3	1.3	21.7	1.6	23.1	1.1	3
4	24.0	1.1	23.8	1.0	22.8	1.3	23.3	1.3	23.9	1.0	23.1	1.2	21.1	1.2	23.2	1.1	4
5	24.0	1.0	23.9	0.9	22.0	1.4	23.2	1.3	23.5	0.8	23.0	1.4	22.0	1.4	23.3	1.1	5
6	23.9	0.9	24.0	1.1	21.9	1.6	23.0	1.5	23.7	0.9	23.1	1.3	22.6	1.6	23.1	1.1	6
7	25.0	1.0	24.8	1.4	23.2	1.1	24.9	2.0	24.9	1.7	24.1	1.5	24.0	1.5	24.5	1.3	7
8	27.6	2.5	26.9	2.1	26.6	2.6	26.9	2.8	26.9	2.6	26.5	2.4	26.2	2.6	26.5	2.5	8
9	28.2	3.2	27.9	2.8	27.5	3.5	27.7	3.6	27.9	3.6	27.6	3.7	27.5	3.9	27.7	3.3	9
10	28.1	3.4	28.4	3.2	28.1	4.0	28.6	4.4	28.4	4.3	28.1	4.2	28.3	5.3	29.0	4.6	10
11	28.9	3.7	29.0	3.5	28.1	4.1	29.2	5.1	28.9	4.8	28.8	4.9	29.1	6.3	29.0	4.5	11
Noon	29.2	4.1	29.3	4.0	28.0	3.9	29.3	5.0	29.3	5.2	29.0	5.8	29.2	5.6	29.1	5.1	Noon
13	29.2	4.2	29.7	3.6	29.0	4.7	29.5	5.4	29.4	5.4	29.0	5.3	28.6	5.4	29.1	5.0	13
14	29.5	4.1	29.3	4.3	28.3	4.5	29.4	5.3	29.6	5.4	29.1	5.3	29.0	4.3	29.7	5.5	14
15	29.2	3.7	29.1	5.7	28.3	4.3	29.2	5.1	29.3	4.9	28.7	5.5	28.1	3.6	28.3	4.5	15
16	28.8	3.6	28.9	4.3	27.3	3.0	28.8	4.8	29.0	4.7	28.1	5.3	27.9	3.8	27.8	3.9	16
17	28.0	3.1	27.9	3.7	27.1	3.2	28.1	4.7	28.0	4.0	27.6	4.7	27.2	3.4	27.8	4.1	17
18	27.2	2.9	26.6	2.7	26.2	2.9	26.9	3.7	26.5	2.8	26.1	3.3	26.3	3.2	26.8	3.6	18
19	25.9	1.8	25.2	1.9	25.1	2.2	25.5	2.3	25.3	2.0	24.8	2.6	25.0	2.0	25.3	2.2	19
20	25.4	1.4	24.9	2.1	24.7	2.1	25.0	1.9	25.0	1.7	24.2	2.2	24.5	1.6	24.8	1.8	20
21	25.2	1.2	24.6	2.3	24.3	2.1	24.9	1.8	24.9	1.9	24.2	2.2	24.1	1.4	24.3	1.4	21
22	25.3	1.2	24.5	1.5	23.9	1.7	25.0	1.8	24.4	1.6	24.0	2.0	24.0	1.4	24.1	1.2	22
23	24.7	1.2	24.7	1.6	23.7	1.4	24.8	1.6	24.3	1.6	23.7	1.7	23.8	1.3	24.0	1.3	23

TABLE XI (Ctd) - TEMPERATURE OF THE AIR AND EXCESS OVER TEMPERATURE OF EVAPORATION IN DEGREES CENTIGRADE AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

(To obtain temperatures on the absolute scale add 273)

MARCH 1941

Day / Hour	17		18		19		20		21		22		23		24		Day / Hour
	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	Air	Excess of Air over Evap.	
Midnight	24.3	1.3	24.6	0.9	25.6	1.0	24.7	0.9	25.4	2.8	24.5	2.3	22.6	1.6	22.3	1.2	Mid-night
1	24.0	1.1	24.6	0.9	25.0	1.1	24.4	1.1	25.0	2.3	24.6	2.4	22.4	1.4	22.0	1.1	1
2	23.9	1.0	24.3	0.7	25.2	1.0	24.7	1.3	25.0	2.4	24.6	2.3	23.0	2.0	21.9	1.1	2
3	23.7	1.0	24.2	1.0	24.1	1.2	24.8	1.6	25.1	2.5	24.3	2.2	22.6	1.6	21.7	1.1	3
4	23.5	1.0	24.3	0.7	24.9	0.9	24.6	1.4	24.9	2.8	24.3	2.3	22.0	1.7	22.2	1.2	4
5	23.2	0.9	24.1	0.8	24.9	0.9	24.9	1.8	24.6	2.6	24.2	2.2	21.6	1.4	22.1	1.0	5
6	23.9	0.9	24.3	0.6	24.8	0.9	24.6	1.0	24.5	2.4	24.2	2.3	21.6	1.3	22.2	1.1	6
7	25.1	1.3	25.1	1.0	25.2	1.2	24.9	1.6	24.8	2.2	24.7	2.4	23.0	1.6	23.9	1.2	7
8	26.2	1.5	26.6	1.6	25.9	1.3	26.1	2.2	26.0	2.7	25.5	2.9	25.0	2.6	25.6	2.5	8
9	26.7	2.3	27.3	2.1	26.6	1.8	27.0	2.6	27.1	3.6	26.4	3.5	27.1	4.3	26.1	2.9	9
10	27.9	3.2	28.9	3.0	27.0	2.0	27.4	2.9	27.6	4.9	26.9	3.2	27.3	4.2	26.1	3.1	10
11	29.1	3.4	29.9	4.0	27.3	2.6	27.6	3.2	28.0	4.1	27.2	4.7	27.2	4.3	24.3	1.7	11
Noon	29.3	4.6	30.1	4.0	27.2	2.9	27.6	3.1	28.1	4.5	27.1	5.1	27.7	4.8	25.8	2.5	Noon
13	29.0	4.0	29.7	4.0	27.7	2.9	27.2	3.2	27.5	4.0	28.0	5.5	27.7	4.6	26.2	3.0	13
14	29.0	3.9	29.0	3.4	28.3	3.4	28.0	3.9	27.4	4.1	28.7	5.8	27.6	4.6	26.9	3.9	14
15	29.1	4.0	28.6	3.4	28.1	3.4	27.3	3.7	27.1	4.0	28.2	5.5	27.7	5.0	27.1	4.3	15
16	29.0	4.0	28.2	3.2	27.3	2.6	26.3	3.0	26.7	3.5	26.8	4.4	27.0	4.5	26.3	3.3	16
17	28.2	3.4	27.4	2.4	26.7	2.4	26.2	3.2	26.3	3.2	25.9	3.8	26.1	3.9	25.1	2.3	17
18	27.7	3.1	27.0	2.2	26.0	1.9	26.0	3.7	25.8	3.3	25.0	2.9	25.1	3.1	23.7	1.3	18
19	26.0	1.7	26.2	1.6	25.5	1.4	25.8	3.8	25.2	2.9	24.0	2.0	24.1	2.2	23.1	1.1	19
20	25.5	1.3	25.7	2.0	25.6	1.5	25.8	3.8	25.4	2.9	23.6	2.0	23.5	1.8	22.8	1.2	20
21	25.0	1.3	25.6	1.7	25.4	1.4	25.9	3.8	25.1	2.3	23.1	1.8	23.1	1.6	22.6	1.5	21
22	24.4	1.1	25.7	1.2	25.0	1.1	25.7	3.4	24.7	2.6	22.9	1.8	23.0	1.7	22.8	1.8	22
23	24.5	1.2	24.7	1.4	25.0	1.1	25.8	3.1	24.6	2.5	22.7	1.7	22.8	1.7	23.1	1.8	23

Day / Hour	25		26		27		28		29		30		31		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	23.1	1.5	25.1	1.1	25.4	1.3	25.3	0.5	25.0	1.1	25.3	0.7	23.0	0.9	24.4	1.2	Mid-night
1	23.1	1.6	25.2	1.3	25.3	1.2	25.2	0.5	24.6	0.9	25.6	0.7	23.1	0.7	24.2	1.2	1
2	22.9	1.6	25.2	1.3	25.2	1.0	25.2	0.5	24.7	0.7	26.1	0.6	24.0	0.9	24.1	1.1	2
3	22.9	1.5	25.0	1.4	25.1	0.9	25.3	0.5	24.3	0.6	26.2	0.6	24.3	0.6	24.0	1.2	3
4	22.4	1.3	25.0	1.4	25.1	0.8	25.0	0.4	24.0	0.9	26.0	0.6	24.3	0.4	23.9	1.1	4
5	22.7	1.6	24.7	1.5	25.0	0.7	24.8	0.7	24.1	0.6	26.0	0.7	24.6	0.7	23.8	1.1	5
6	23.0	1.8	24.2	1.3	24.9	0.8	24.5	0.5	23.9	0.7	26.3	0.6	24.1	0.4	23.8	1.1	6
7	24.4	2.2	25.0	1.6	25.6	1.0	25.2	0.9	25.5	1.0	26.4	0.4	25.1	1.1	24.9	1.3	7
8	26.3	3.2	26.8	2.8	26.0	0.9	26.3	0.7	27.7	1.6	26.7	0.7	27.1	2.0	26.6	2.0	8
9	26.2	2.4	27.9	3.7	26.6	1.3	27.9	1.9	28.6	2.4	26.8	0.6	28.0	2.4	27.5	2.7	9
10	26.7	1.9	28.2	3.9	27.1	2.0	28.6	2.6	30.1	3.9	26.6	0.6	29.0	3.1	28.2	3.3	10
11	27.7	3.1	28.5	4.2	27.6	2.3	29.7	3.0	30.7	3.8	24.0	0.2	29.1	3.1	28.7	3.6	11
Noon	28.9	3.9	29.1	4.7	27.7	2.5	30.6	4.0	31.2	4.1	23.8	0.5	29.1	3.3	28.9	3.9	Noon
13	28.6	3.9	28.2	3.7	28.1	2.7	31.2	4.4	30.8	4.4	23.2	0.3	29.9	3.8	28.9	3.9	13
14	28.6	4.3	28.2	3.8	28.1	2.9	30.6	3.6	30.6	4.1	23.6	0.6	29.0	3.2	28.9	4.0	14
15	28.3	4.0	27.6	3.8	27.9	2.7	30.0	3.7	30.1	4.0	23.5	0.7	28.6	2.6	28.8	3.9	15
16	28.2	3.9	28.1	4.1	27.6	2.5	29.5	3.5	29.9	3.7	25.0	1.4	28.1	2.4	28.3	3.6	16
17	27.2	3.1	27.1	3.5	27.1	1.9	29.0	3.4	29.0	3.0	25.0	1.0	27.2	2.2	27.5	3.9	17
18	26.1	2.4	26.1	2.9	26.7	1.6	28.1	2.6	27.9	2.0	24.8	1.1	26.2	1.1	26.7	2.5	18
19	25.6	1.7	25.3	2.1	26.1	1.1	27.0	1.8	27.0	1.9	23.9	0.8	25.9	1.1	25.8	1.9	19
20	25.6	1.6	25.1	1.9	26.1	1.1	26.0	1.0	26.0	1.3	23.4	0.4	25.1	0.9	25.2	1.6	20
21	25.2	1.2	25.0	1.7	25.7	0.8	25.3	1.1	25.9	1.2	23.0	0.5	24.9	0.9	24.9	1.5	21
22	25.3	1.3	25.0	1.6	25.6	0.8	25.1	0.8	26.0	1.0	23.0	0.7	24.5	0.7	24.7	1.4	22
23	25.4	1.4	25.1	1.2	25.7	0.8	25.0	0.9	25.5	0.8	22.8	0.7	24.1	0.9	24.5	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 MARCH, 1941

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 X)

MARCH 1941

Hour \ Day	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Mid-night	10	2.9	10	1.4	09	1.1	12	1.2	28	1.1	29	1.1	26	1.3	10	1.8	10	1.8	10	1.6	10	1.4	10	2.2	09	3.4	10	1.8	10	1.7	10	1.5
1	10	2.3	10	1.3	09	1.0	12	1.1	28	1.4	29	1.2	26	1.0	10	1.7	10	1.5	10	1.7	10	1.8	10	2.0	09	2.6	10	2.5	10	1.4	10	1.6
2	10	2.2	10	1.1	09	1.1	12	0.9	28	1.4	29	1.2	26	1.2	10	2.6	10	1.9	10	1.2	10	1.5	11	1.6	10	2.4	10	2.4	10	1.7	10	1.3
3	10	2.2	10	1.0	09	1.3	12	1.1	28	1.2	29	1.3	26	1.2	10	2.8	10	1.5	10	1.6	10	1.3	11	1.1	09	1.6	10	1.8	10	1.6	11	1.7
4	10	2.1	10	1.2	09	1.3	12	1.3	28	1.3	29	1.7	20	1.5	09	3.1	10	1.9	10	2.3	10	0.6	10	3.0	09	1.8	10	2.7	11	1.5	11	2.0
5	10	2.9	10	1.1	09	1.1	12	1.5	28	0.9	29	1.5	r10	1.8	11	2.9	10	1.4	09	3.2	10	0.7	09	1.7	09	2.3	10	2.1	11	1.8	11	2.0
6	10	2.4	09	1.8	09	0.8	12	1.3	30	1.2	29	1.8	15	1.7	10	3.4	10	1.8	10	3.5	10	0.9	09	1.8	09	2.3	10	2.5	11	2.0	11	1.6
7	10	2.7	09	1.3	09	0.8	12	0.7	31	1.1	02	1.8	14	0.9	10	3.3	10	1.2	10	2.7	10	0.7	10	2.1	10	2.1	10	2.0	11	2.2	11	1.8
8	09	3.3	09	1.8	09	0.6	r01	0.9	r16	1.3	05	2.3	14	0.9	10	3.3	09	1.8	10	3.3	10	3.2	10	2.9	10	2.4	10	3.0	10	3.6	10	2.9
9	10	2.4	10	1.9	07	0.6	01	1.0	16	0.9	01	1.6	13	0.7	09	3.2	07	2.8	08	4.3	09	4.7	09	4.6	08	4.1	08	4.2	09	4.4	09	2.5
10	07	3.0	07	1.1	r26	1.3	31	1.9	21	2.0	01	2.3	13	1.0	08	2.6	08	3.2	07	4.6	11	4.0	08	4.3	09	4.7	08	4.3	10	3.8	06	3.1
11	09	3.0	05	1.6	25	2.4	29	2.8	22	2.2	31	2.6	13	1.1	09	3.3	08	3.3	08	3.3	10	4.3	08	3.7	09	4.6	07	4.4	08	4.1	07	3.4
Noon	08	2.9	06	14.	28	2.9	28	3.1	22	2.3	31	2.0	28	1.8	06	2.9	06	3.2	08	4.0	10	4.1	06	4.1	08	4.7	08	4.5	07	4.4	06	3.8
13	10	3.8	r27	2.4	27	3.1	26	3.3	24	2.8	27	2.8	12	3.4	06	3.1	08	3.0	06	3.0	10	3.9	08	3.9	07	3.4	07	4.4	09	4.1	06	3.4
14	09	4.4	26	2.1	29	3.2	30	3.5	26	2.1	26	2.8	12	1.5	07	2.4	06	3.6	06	3.2	09	3.9	09	4.4	11	2.9	09	4.2	05	4.0	05	3.1
15	08	3.8	26	1.9	28	3.5	27	3.5	30	1.7	29	2.4	r04	1.7	07	3.3	06	4.0	08	3.5	09	4.4	10	4.0	10	3.7	10	4.8	08	4.2	06	3.1
16	08	3.9	10	0.8	26	2.7	29	3.0	30	1.3	26	2.9	06	2.1	08	3.0	07	3.7	09	3.8	09	4.7	09	4.5	09	4.1	10	4.3	09	4.3	06	3.4
17	09	3.7	07	1.8	26	2.4	27	2.1	30	1.7	26	2.6	08	3.9	07	3.0	07	3.2	09	3.3	10	4.0	10	4.1	09	4.1	11	5.0	09	3.2	06	2.4
18	10	3.3	05	1.2	26	1.4	27	1.7	28	1.6	24	1.8	08	2.4	09	3.2	08	3.1	10	4.2	10	4.4	09	3.6	09	3.2	10	3.5	10	2.9	07	2.0
19	10	2.5	05	0.6	26	1.1	27	1.2	28	0.7	26	0.7	09	2.8	10	2.1	08	1.7	10	2.5	11	4.0	10	3.0	09	1.3	10	2.5	10	1.9	07	1.8
20	10	1.8	05	0.6	r15	1.6	27	0.8	28	0.7	26	0.9	09	2.4	10	2.1	08	1.4	09	3.3	10	3.5	10	2.1	09	1.5	10	3.0	10	1.8	07	1.9
21	10	1.8	05	0.8	12	0.9	27	1.0	28	0.9	26	0.6	09	2.5	10	2.8	09	2.2	09	2.8	10	2.8	10	3.1	10	1.7	10	3.1	10	2.2	07	1.8
22	10	1.3	09	0.9	12	1.2	27	0.6	28	1.6	25	1.1	09	2.5	10	2.3	09	3.0	09	2.1	10	2.2	09	3.6	10	1.6	11	2.6	10	2.1	07	1.7
23	10	1.3	09	1.3	12	1.1	27	1.1	28	1.3	25	1.1	09	2.1	10	1.7	10	2.2	10	2.0	10	1.6	10	3.6	10	1.6	10	2.2	10	1.3	07	1.8

Hour \ Day	17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		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	07	1.1	07	1.2	08	2.4	08	5.6	08	4.4	08	2.9	09	1.7	10	2.6	10	2.6	10	3.1	09	2.6	06	1.6	09	1.1	07	1.1	11	1.6	2.0
1	07	1.4	07	1.6	07	3.6	08	5.4	08	6.0	09	4.2	09	2.3	10	2.4	10	3.0	11	3.1	09	3.0	06	1.1	10	1.1	07	1.1	11	1.2	2.1
2	07	1.2	07	1.1	08	3.0	08	5.2	08	4.9	08	4.2	09	2.3	10	1.9	10	2.1	09	3.6	09	2.9	06	1.3	10	1.8	07	1.1	11	2.1	2.1
3	07	1.6	07	1.2	08	3.7	08	5.2	08	4.5	08	3.6	09	1.7	10	1.9	10	2.1	09	2.9	08	2.3	06	1.3	10	1.3	07	1.1	11	0.6	1.9
4	07	1.7	07	1.1	07	2.6	08	5.2	08	4.5	08	3.8	09	1.7	10	1.7	10	1.7	10	3.0	08	2.1	06	1.2	10	1.3	07	0.7	11	1.2	2.0
5	07	1.6	07	1.1	08	3.8	08	4.5	09	4.6	08	3.9	10	1.6	10	1.8	10	2.5	10	3.3	08	1.5	06	1.2	09	1.4	07	1.0	11	1.9	2.1
6	07	0.7	07	1.4	08	2.2	08	5.1	08	3.6	08	3.5	10	1.8	10	2.3	11	2.6	09	3.1	07	1.3	06	1.1	09	1.1	03	1.4	11	1.4	2.0
7	07	1.3	07	0.7	08	3.1	08	5.0	08	4.4	08	3.1	10	1.4	10	2.0	10	3.3	09	3.5	07	1.6	06	0.6	10	1.4	03	1.1	11	1.7	2.0
8	07	2.0	07	1.0	07	3.6	07	5.4	10	5.1	08	3.2	10	1.9	10	3.3	10	4.7	07	4.9	07	0.9	06	1.1	09	1.6	03	1.0	09	2.3	2.6
9	06	2.5	06	1.6	06	4.5	08	6.3	08	6.5	08	4.6	06	2.6	09	3.5	10	3.9	07	5.2	07	1.4	03	2.5	06	1.7	01	1.7	07	2.0	3.0
10	04	2.9	02	2.4	06	4.3	08	7.0	08	6.0	09	4.1	09	2.9	08	4.9	06	3.5	08	5.2	06	2.9	02	3.3	06	2.0	02	1.6	05	2.8	3.3
11	04	3.5	03	2.8	08	4.8	08	6.3	08	5.8	06	3.8	08	2.8	07	3.1	06	4.1	08	4.6	06	2.8	02	3.0	03	3.0	18	3.2	06	3.2	3.5
Noon	04	3.0	02	2.7	08	4.4	09	6.9	07	5.9	09	3.8	06	2.9	10	3.8	05	4.5	07	4.7	06	2.6	01	4.0	32	2.6	16	1.1	07	2.9	3.5
13	04	3.2	32	2.6	08	4.8	04	6.8	07	6.0	10	4.4	09	2.5	05	3.8	05	4.7	05	4.4	07	2.7	32	3.8	06	4.0	r08	2.4	03	3.1	3.6
14	03	2.8	02	2.2	08	5.8	08	7.0	06	6.1	10	5.4	07	3.0	07	3.1	06	4.3	09	4.1	07	2.9	01	3.2	04	3.4	04	3.8	05	2.7	3.6
15	03	2.3	04	2.0	08	6.1	08	7.2	07	5.7	08	4.8	10	2.9	08	3.7	08	4.4	08	4.0	07	3.2	32	2.7	02	3.8	09	3.1	03	3.0	3.6
16	03	2.9	04	1.8	08	6.1	08	6.7	08	5.6	08	4.3	10	3.1	10	4.2	08	4.4	08	4.1	05	3.9	01	2.2	02	2.4	07	2.4	05	2.4	3.5
17	04	2.1	06	2.6	08	5.9	08	6.4	08	5.4	09	2.4	09	3.7	10	3.4	08	4.4	09	4.2	06	3.7	31	2.7	03	2.1	07	1.3	07	1.8	3.3
18	02	1.8	07	1.3	08	5.2	08	6.2	07	4.4	09	3.8	10	2.4	09	2.7	08	3.4	10	3.5	06	2.6	02	1.6	05	2.1	07	1.5	07	1.2	2.0
19	05	1.2	07	1.5	08	5.0	08	5.8	08	3.9	09	2.1	10	1.5	09	2.3	09	2.5	09	3.7	06	1.8	02	1.4	03	2.4	10	1.7	07	1.1	2.2
20	07	1.6	07	1.8	08	5.0	07	5.3	06	3.5	10	2.5	10	1.8	10	2.2	09	2.7	10	3.8	06	1.5	03	1.0	05	1.1	11	0.3	07	1.3	2.1
21	07	1.9	07	2.2	08	5.5	08	5.2	07	3.1	10	2.1	10	1.5	10	2.3	10	2.7	10	3.4	06	1.4	03	1.2	10	1.2	11	1.1	07	0.8	2.2
22	07	1.6	08	1.9	08	5.2	07	5.3	08	4.4	10	2.2	10	1.9	10	2.2	10	3.0	10	4.1	07	1.8	06	1.4	r02	2.4	11	1.3	07	1.4	2.3
23	07	0.7	06	2.8	08	5.0	08	4.7	08	4.7	10	2.3	10	1.8	10	2.2	10	2.9	10	3.1	07	1.7	09	1.4	05	1.2	11	1.5	07	1.2	2.1

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS) MARCH, 1941

Hour	Force (0-12) 8 or above	4 to 7	0 to 3	N.	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
3	-	-	31	-	-	-	1	12	11	4	-	-	-	-	-	-	1	2	-
9	-	2	29	3	-	1	5	17	3	1	-	1	-	1	-	-	-	-	-
15	-	3	28	1	1	4	2	14	4	-	-	-	-	-	-	-	1	3	1
21	-	1	30	-	-	2	1	10	13	2	-	-	-	-	-	-	1	2	-
Total	-	-	-	4	1	7	9	53	31	7	-	1	-	-	-	-	3	7	1

TABLE XIVA - RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION FOR MARCH, 1941

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	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
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.6	0.3	..	..	..	..	..	..	..	..	..	0.1	..
2	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	0.1	0.7	..	..	..	..	..	..	..	..	..	2.7	..
3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.4	0.2	..	..	..	..	..	..	..	..	..	3.2	..
4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	0.4	..	..	..	..	..	..	..	..	..	0.3	..
5	..	..	..	..	..	..	2.5	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	5.0	..
6	..	..	..	..	..	..	0.3	..	..	0.5	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.7	..
8	..	..	..	..	2.5	..	0.1	..	..	0.2	..	..	..	..	..	..	..	1.0	..	..	..	..	..	..	..	..	..	..	..	25.9	..
9	..	..	..	..	0.7	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16.8	..
10	..	..	..	..	0.4	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	0.1	..	0.4	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.4	..	..	..	..	7.2	..
12	..	..	..	..	..	..	1.6	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	0.2	..	..	..	..	..	7.7	..
13	..	..	..	..	..	..	1.6	..	..	..	..	..	..	..	..	..	..	..	0.2	0.6	..	..	..	..	..	..	..	..	..	3.1	0.8
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14.7	..	..	0.3	0.2	..	..	..	..	..	..	..	..	..	4.0	..
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23.2	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.7	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..
18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	..	..	..	..	..	1.7	..	..	5.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.3	..	..	..	..	..	..	..	..	..	0.3	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.6	0.8	..	..	..	..	..	..	..	..	..	0.7	..	..
24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.9	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XIVB - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY FOR MARCH, 1941

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	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
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	0.1	..	..	..	..	..	..	..	..	..	0.1	..
3	..	..	..	..	..	..	0.2	..	..	..	..	..	0.2	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	0.2	..
4	..	..	..	..	..	..	3.8	..	..	..	..	..	..	..	..	..	..	..	0.1	0.5	..	..	..	..	..	..	0.1	..	..	..	..
5	..	..	..	..	2.0	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	0.2	..	..	..	..	..	..	..	..	..	0.1	..
6	..	..	..	..	3.2	..	2.2	..	..	0.1	..	..	..	..	..	..	0.5	..	..	1.2	..	..	..	..	..	..	..	..	..	0.2	..
7	..	..	..	..	4.0	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8	..	..	..	..	4.4	..	0.1	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9	..	..	..	..	..	0.6	0.1	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.8	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.6	..	..	..	..	..	20.0	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23.0	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7.0	..
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.3	..
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	0.8	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	..	..	..	0.1	..	..	0.9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	..	..	..	..	..	..	1.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..
21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.6	..	..	..	..	..	..	..	..	..	0.1	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..
24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	0.2	..	..	..	..	..	..	0.2	..	..	..	..	..

TABLE XV - TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR MARCH, 1941

RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20	3.21	81.5	6.30	6
	St-Antoine	50	4.61	117.1	7.78	9
	Bel Mont	50	6.05	153.7	8.44	8
	Poudre d'Or	20	5.49	139.4	7.69	8
	Mon Loisir (S.E.)	300	7.54	191.5	8.39	9
	Forbach	300	3.69	93.7	6.63	4
	Couroupa	..	4.28	108.6	7.32	5
	Labourdonnais	290	3.23	82.0	9.58	6
	Mapou Water Office	...	3.55	90.2	...	3
	Beau Sejour	300	6.53	165.9	11.43	9
	Mont Piton	650	4.87	123.7	10.47	10
	Mon Choix	700	4.55	115.6	9.64	7
	Antoinette	640	5.91	150.1	11.48	16
	Mon Songe	620	4.94	125.5	12.66	11
	Botanical Gardens	325	3.32	84.4	9.88	20
	The Observatory	179	3.30	83.8	8.59	16
	Solitude	175	...	...	9.96	...
	St Andre (Cour)	90	...	...	7.71	...
	La Nicoliere	...	6.73	170.9	15.92	18
	California	...	7.02	178.3	12.47	11
	Australia	...	6.79	172.5	...	11
2 & 3	Union Regnard (Flacq S.E.)	600	6.58	167.2	11.97	15
	Constance d'Arifat (L.G.)	100	5.53	140.5	11.28	12
	Rich Fund	600	9.20	233.7	13.29	17
	La Joffrette	...	3.79	96.3	...	8
	Belle Vue (Allendy)	...	5.20	132.1	10.89	11
4	Sans Souci	900	10.94	277.9	19.68	17
	Beau Champ (G R.S.E.)	40	...	...	9.20	..
	Olivia	200	..	...	12.81	...
	Trois Ilots	...	...	...	...	...
	Belle Rive	400	...	...	11.68	...
	Sebastopol	700	...	...	...	...
	Bonne Veine	400	...	...	...	...
5	Rose Belle	850	...	...	16.62	...
	New Grove	650	14.23	261.4	21.41	14
	Mon Tresor	...	13.74	349.0	...	15
	Mon Desert (Carie)	75	9.36	237.7	9.03	11
	Ferney	20	23.95	608.3	14.25	9
	Sauve Terre	...	12.60	320.0	...	10
	Tivoli	1300	11.58	294.1	18.54	17
	La Flora	1050	9.92	252.0	17.16	20
	Riche Bois (Brit.)	650	9.45	240.0	14.93	15
	Britannia (Estate)	700	10.53	267.5	16.11	17
6	Savannal (Mill)	200	5.66	143.8	12.24	11
	St Aubin	300	6.32	160.5	11.19	12
	St Avold	900	9.45	240.0	16.00	15
	Colmar	400	8.97	227.8	13.96	16
	Union (S.E.)	...	9.35	237.5	9.43	12
	Fontenelle	320	6.56	166.6	10.79	8
	Choisy	200	4.40	111.8	9.31	8
	Beau-Bois	...	14.50	368.3	15.57	17
	Bel Air	...	6.25	158.8	10.00	7
	St Felix	..	8.75	222.3	...	7
7, 8, 9 & 10	Bel Ombre	40	6.06	153.9	9.65	11
	Beau Champ (B.du Cap)	70	7.29	185.2	9.73	11
	Frederica	...	5.12	130.0	11.73	8
	Pierre Fonds	...	10.27	260.9	9.03	16
	St Marie	...	7.95	201.9	...	14
	Hussonia	...	4.79	121.7	...	8
11	Curepipe Gardens	1840	7.06	179.3	18.02	15
	Mare aux Vacoas (G.E.)	1850	9.21	233.9	18.24	17
	Mare aux Vacoas (Arn.)	1830	11.22	285.0	20.79	20
	La Marie Filter Beds	1700	10.74	272.8	16.44	15
	Sophie	...	...	...	...	...
	Reunion	1420	6.55	166.4	14.00	10
	Aerological Station	1393	6.40	162.5	12.15	16
	Phoenix	...	6.02	152.9	12.35	7
	Quatre Bornes	...	5.20	132.1	...	10
12	Quatre Bornes (Board)	1090	6.32	160.5	...	5
	Le Reduit (D. of A.)	1000	5.00	126.9	10.00	29
	Alma	1460	7.38	187.5	19.00	14
	Bagatelle	1250	5.02	127.5	14.04	9
	Highlands	1300	4.47	113.5	14.71	9
	Trianon	950	5.32	135.1	11.37	11
	Val Ory	1100	...	...	11.39	..
	Bassin	...	9.72	246.9	8.80	9
	Hermitage	1450	5.11	129.8	17.01	8
	Ebene	...	5.84	148.3	...	11
	Bega	...	6.09	154.7	...	11
	Mon Reve	...	4.16	105.7	...	12
	Mont Pevril	...	5.86	148.8	...	12
	Minissy	1150	5.66	143.8	12.25	12
	Plaisance	...	9.72	246.9	...	7
	La Ferme	350	9.43	239.5	12.25	10
13	Line Barracks	...	5.00	127.0	6.70	13
	Richelieu Tobacco Res. Stn.	...	4.35	110.3	...	6

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE ROYAL ALFRED OBSERVATORY PAMPLEMOUSSES

MONTHOF MARCH, 1941

Day \ Type	Time	St & Fs		Cumulus Cu St & c.		Alto Cu Alto St		Cirro Cumulus		Cirro Stratus		Cirrus		Time	S_t & Fs		Cumulus Cu St & c.		Alto Cu Alto S_t		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height		Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height
		0		0		0		0		0		0			0		0		0		0		0		0	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	111	5.9	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	235	3.3	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	96	8.3	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	92	7.4	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	9½	...	...	160	4.3	...	...	...	...	...	...	...	...	15	...	...	107	7.5	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	75	6.4	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

N SERIES (MONTHLY) VOL XXVI

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PART 4.

MAURITIUS
ROYAL ALFRED OBSERVATORY

LATITUDE 20°5'39".,- LONGITUDE 3h50m12.6s

RESUULTS

of

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

APRIL, 1941

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DIRECTOR

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TABLE I - RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF APRIL, 1941

Month and Day 1941	Mean Declination (West)	Mean Horizontal Force (C.G.S.) Units	Mean Vertical Force (C.G.S.) Units	Daily Range + Declination	Daily Range + Horizontal Force Unit	Daily Range + Vertical Force Unit	H.R.h. 10,000	Z.R.z. 10,000
APR.								
1	14° 09'5	.22379	.29910	8.5	22	19	49	56
2	06.9	391	908	9.0	49	18	110	54
3	06.6	397	905	7.3	64	24	143	72
4	07.8	403	908	6.0	37	17	83	51
5	07.1	...	907	8.0	..	19	..	56
6	07.2	407	908	5.7	30	18	67	54
7	07.4	421	902	11.0	63	33	141	99
8	08.2	407	902	6.0	34	32	76	96
9	08.0	401	905	4.5	44	14	99	42
10	07.8	400	904	4.8	42	22	94	66
11	08.0	401	906	5.0	35	11	78	32
12	07.4	409	904	3.5	40	20	90	60
13	07.3	409	903	5.5	42	21	94	63
14	07.4	407	903	5.8	27	15	60	45
15	...	...	902	...	..	14	..	42
16	07.7	412	900	9.5	59	29	132	87
17	07.8	412	903	8.5	32	20	72	60
18	07.5	403	900	9.0	42	33	94	99
19	07.7	388	904	8.0	62	23	139	69
20	08.0	402	909	6.0	43	11	96	32
21	07.7	406	905	5.5	38	24	85	72
22	08.2	408	...	8.0	27	..	60	..
23	07.6	417	...	6.0	40	..	90	..
24	09.2	395	...	6.0	175	..	392	..
25	07.3	376	...	6.5	71	..	159	..
26	07.8	388	...	4.5	31	..	69	..
27	08.2	390	...	6.0	20	..	45	..
28	08.2	384	...	7.8	41	..	92	..
29	07.8	386	...	5.0	28	..	63	..
30	08.3	389	...	6.7	12	..	27	..
Mean	14° 07.67	.22400	.29905	6.68	44.6	20.8	100.0	62.2

Description of the Principal Magnetic Disturbances

Horizontal Force : 2nd Very slightly disturbed. 3rd Sudden bay (+ 27 γ) between 1h and 2h. Slightly disturbed throughout. 4th slightly disturbed in first half. Shallow bay between 3h and 4h. 7th Moderately disturbed during second half. Mainly small pulsations superposed. Absolute range 65 γ. 8th Disturbed during first hours. Large positive wave (50 γ) between 3h 15m and 4h with only partial recovery. 9th slightly disturbed. 10th moderately disturbed from 10h. Irregular features not exdeeding 30 γ between 19h and 24h. 11th moderately disturbed. 12th slightly disturbed. 15th Very slightly disturbed. 16th moderately disturbed. Large fluctuations with total range 65 γ between 13h and 16h. 18th slightly disturbed. 19th Sharp bay (+ 35 γ) between 1h 30m and 3h. Slightly disturbed during the remainder of the day. 24th disturbed Gradual commencement with increasing force during first hours of 24th. Maximum at 11h 30m. Then rapid decrease from 12h 20m making absolute range 190 γ Large irregular waves follow. 25th moderately disturbed. Mainly irregular features of minor amplitudes. 26th slightly disturbed. Previous disturbance gradually dies down. 28th very slightly disturbed during second half. 29th slightly disturbed during first half. Small waves of irregular character.

T = .37365: Mean Dip = 53° 9'.92 : X = .21723 : Y = - 05467 : Z = .29905

+ 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, 1941

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		
1 14 19	14° 13' 9	5 9 42	.22412	1 14 30	53° 11' 29	.29900
8 14 14	14 05 8	9 9 49	.22394	8 14 24	53 08 18	.29886
15 14 59	14 05 2	17 9 39	.22413	15 15 07	53 08 00	.29898
22 14 40	14 05 5	19 9 27	.22386	22 14 53	53 08 38	.29900
		23 9 41	.22423			
		26 9 22	.22390			

TABLE III - MAGNETIC DECLINATION (WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

A P R I L, 1941

13° +

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	67.7	67.5	67.5	69.0	67.5	67.7	67.5	67.7	67.7	67.5	67.3	67.3	67.5	67.5	67.5	67.5	Midnight
1	66.5	67.0	68.0	68.0	67.5	68.0	67.7	69.5	68.0	67.5	68.0	67.5	67.5	68.0	67.5	67.3	1
2	66.5	65.5	67.5	67.5	67.3	68.0	68.3	70.0	68.0	68.0	69.0	67.5	68.0	67.5	67.3	67.7	2
3	66.0	65.7	67.3	67.0	67.5	67.5	68.0	70.7	68.2	68.0	69.0	68.0	68.2	67.5		68.0	3
4	65.0	66.0	66.0	66.5	66.5	67.5	68.0	67.0	67.0	68.0	68.7	68.0	68.0	67.0		68.0	4
5	66.0	65.0	67.0	67.0	67.0	67.5	68.0	69.0	68.0	67.7	68.5	68.5	68.0	67.3		68.0	5
6	67.0	66.5	67.5	66.5	68.3	69.0	68.3	68.0	68.3	68.0	68.3	68.0	68.0	67.3		67.0	6
7	67.3	67.0	66.0	55.7	67.5	65.5	68.5	69.0	69.0	67.5	68.5	67.0	67.7	67.0		67.0	7
8	69.5	69.3	68.0	68.7	68.5	69.0	70.0	70.5	69.5	69.0	69.5	67.3	68.7	69.0		69.5	8
9	70.0	71.0	68.3	70.5	70.0	69.7	72.5	71.5	70.5	70.3	68.5	68.0	69.5	70.2		71.0	9
10	69.7	71.0	68.5	70.5	69.5	69.7	73.0	71.0	70.5	70.3	68.5	68.3	69.5	70.3	70.0	72.5	10
11	68.0	69.0	66.5	70.0	68.0	69.5	70.6	69.5	70.0	69.5	67.0	67.5	68.5	68.5	68.0	71.0	11
Noon	65.5	65.5	64.0	68.5	66.0	67.0	65.5	66.5	67.5	67.0	65.5	66.5	65.5	65.7	65.0	67.0	Noon
13	62.5	62.0	62.5	66.0	63.0	65.3	62.5	65.5	67.3	66.0	66.0	65.5	64.0	64.5	63.5	64.5	13
14	61.5	62.0	62.0	65.5	62.0	64.0	62.0	65.7	66.0	65.5	67.5	65.5	64.0	64.5	63.5	63.0	14
15	61.5	63.0	62.5	64.5	63.0	64.5	63.0	68.0	66.0	66.5	[illegible]	65.0	64.0	64.5	64.7	64.0	15
16	63.5	65.0	64.0	65.0	64.3	65.0	65.0	65.5	63.5	66.3	68.0	66.0	65.0	65.0	65.0	64.7	16
17	65.7	67.0	65.5	66.0	65.5	66.0	65.5	65.7	66.5	66.5	67.5	67.0	66.7	66.5	67.0	66.5	17
18	67.0	68.5	67.5	67.0	67.0	67.0	66.5	66.5	67.5	67.0	68.0	68.0	67.5	67.7	68.0	67.7	18
19	67.5	68.5	69.3	68.0	68.5	67.5	67.0	67.5	68.0	66.7	68.0	68.3	68.0	68.5	68.3	68.3	19
20	68.0	68.5	68.0	68.0	68.7	67.5	67.5	67.5	68.0	69.5	68.2	68.5	68.0	68.5	68.5	68.0	20
21	68.0	68.3	68.5	68.2	69.0	67.5	67.5	67.7	68.0	68.0	68.0	68.0	68.0	68.3	68.5	68.7	21
22	68.0	68.5	68.5	68.2	69.0	68.0	68.0	68.0	68.0	68.5	68.3	68.0	68.0	68.3	68.3	68.7	22
23	68.0	68.0	68.0	68.0	69.3	68.0	68.0	68.3	68.3	68.0	68.0	68.2	68.0	68.0	68.0	68.3	23

13° +

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean		Hour \ Day
Midnight	680	675	680	695	683	600	675	680	700	685	675	675	690	680	67.9		Midnight
1	680	675	683	690	675	675	680	680	680	685	670	675	690	675	67.8		1
2	680	677	675	680	680	675	680	680	680	685	670	675	690	675	67.7		2
3	680	675	670	675	675	680	680	680	685	675	670	677	690	660	67.7		3
4	680	680	680	680	680	680	680	683	675	680	675	680	665	675	67.5		4
5	680	675	685	683	680	683	680	685	645	675	685	677	620	675	67.4		5
6	680	675	675	675	673	680	680	683	640	665	683	675	635	675	67.4		6
7	685	680	665	677	675	685	685	685	635	670	685	673	620	683	67.3		7
8	700	705	693	697	690	705	600	700	655	687	700	690	670	700	69.1		8
9	715	725	720	715	700	730	700	713	665	700	725	710	705	715	70.5		9
10	715	720	695	715	700	735	700	715	690	700	715	733	720	727	70.7		10
11	715	690	690	680	600	710	685	710	680	690	700	720	700	715	69.3		11
Noon	680	655	660	655	655	670	660	690	660	665	685	680	673	695	66.6		Noon
13	655	637	655	655	645	660	647	670	655	675	655	670	685	655	65.1		13
14	635	635	650	670	655	655	640	655	645	655	667	655	670	675	64.7		14
15	630	635	645	670	660	660	650	670	650	667	665	655	675	665	65.1		15
16	645	640	640	667	665	660	660	670	675	670	665	660	680	660	65.7		16
17	660	655	663	667	670	667	670	680	685	675	673	675	680	670	65.1		17
18	670	670	667	670	680	675	675	700	693	683	680	683	685	680	67.6		18
19	680	675	687	680	683	675	680	695	695	685	685	685	690	683	68.2		19
20	685	680	685	680	685	680	680	700	695	685	685	680	690	687	68.4		20
21	685	683	687	685	685	680	680	725	693	685	683	685	690	685	68.4		21
22	685	687	700	687	685	683	680	740	700	687	685	687	685	685	68.7		22
23	683	685	700	687	687	683	683	705	700	685	683	690	685	685	68.5		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)

A P R I L, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	370	380	387	393	400	401	403	407	404	403	400	407	399	400	406	418	Midnight
1	375	385	385	391	397	399	400	405	405	400	400	403	403	403	407	419	1
2	371	395	403	390	401	400	413	410	407	405	400	400	403	403	409	423	2
3	377	398	394	397	401	403	417	392	405	403	402	407	405	403		413	3
4	387	397	399	407	406	406	416	440	417	405	395	406	412	409		420	4
5	380	397	398	399		407	417	418	410	405	397	408	410	409		420	5
6	378	400	401	397		405	419	410	408	406	400	404	415	412		423	6
7	379	393	397	405		411	423	408	412	406	403	403	416	413		419	7
8	379	393	409	411		412	424	405	398	405	406	399	417	416		421	8
9	379	390	413	412	411	413	425	400	400	409	410	409	425	408		432	9
10	381	391	415	413	412	418	429	407	408	412	422	412	421	410	429	420	10
11	387	404	423	420	412	421	435	415	403	395	410	433	425	415	431	425	11
Noon	392	412	435	425	415	425	453	425	412	389	410	433	435	423	433	433	Noon
13	389	413	430	427	417	420	463	423	407	403	406	435	433	422	435	438	13
14	381	405	405	407	410	417	452	412	407	405	407	430	423	407	430	423	14
15	378	390	391	396	400	405	429	406	395	400	409	422	410	400	422	398	15
16	372	383	383	392	396	397	401	395	393	397	401	395	400	396	423	379	16
17	375	375	387	393	399	395	400	391	389	402	392	395	397	397	426	386	17
18	377	364	386	399	402	396	412	397	378	404	389	398	393	402	415	389	18
19	378	376	380	401	403	395	419	398	373	400	390	396	394	403	413	399	19
20	379	375	371	399	401	400	410	395	385	389	387	403	395	403	415	398	20
21	377	385	373	398	400	403	410	393	400	378	390	406	397	402	414	398	21
22	377	387	382	399	401	403	413	397	401	370	389	402	399	402	416	399	22
23	378	387	380	397	405	406	410	409	401	400	402	402	395	403	415	400	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean	Hour \ Day
Midnight	403	405	402	387	400	401	408	412	330	376	387	385	393	383	394	Midnight
1	403	405	405	388	410	407	410	410	370	381	390	390	377	383	397	1
2	405	406	425	390	405	406	409	413	367	390	390	391	380	385	399	2
3	407	408	405	401	403	408	411	413	371	389	398	391	372	385	399	3
4	410	410	403	400	401	410	412	413	369	391	394	395	389	388	404	4
5	411	411	402	398	401	412	415	418	375	390	393	400	400	389	403	5
6	411	416	407	399	401	413	419	423	386	390	392	402	395	393	405	6
7	412	410	410	403	403	411	422	429	391	393	395	403	397	393	404	7
8	411	406	415	403	406	408	425	435	388	397	393	395	394	390	406	8
9	412	399	395	407	409	406	431	450	387	381	391	390	395	387	406	9
10	417	396	393	417	412	398	431	455	378	392	391	380	389	386	407	10
11	428	403	375	413	423	405	432	475	382	390	394	381	388	387	410	11
Noon	429	415	367	418	433	419	439	483	401	390	401	390	375	390	416	Noon
13	427	423	367	430	428	425	436	455	401	391	401	389	375	388	416	13
14	415	417	369	425	417	423	430	390	365	382	396	372	381	386	495	14
15	417	407	374	410	405	417	415	377	365	391	390	363	387	383	398	15
16	413	403	363	400	400	406	399	375	367	391	385	362	382	384	390	16
17	408	381	371	395	395	401	401	350	365	387	383	371	380	388	388	17
18	411	385	366	395	397	405	408	325	365	386	386	375	382	391	388	18
19	414	394	373	393	402	403	407	310	365	387	382	373	386	392	389	19
20	410	392	373	390	398	400	410	308	389	386	383	385	387	394	389	20
21	415	391	383	395	400	400	410	311	375	383	381	380	387	393	390	21
22	397	394	373	398	401	403	412	360	370	381	381	372	387	393	391	22
23	399	400	400	393	397	406	413	345	385	382	382	375	387	395	394	23

TABLE V - MAGNETIC VERTICAL FORCE AT EVERY HOUR OR 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)

A P R I L, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	914	913	911	911	909	908	907	904	903	905	906	907	906	906	907	903	Midnight
1	911	912	911	910	909	909	908	905	903	905	906	906	905	905	906	903	1
2	911	910	908	909	909	909	909	906	902	904	907	905	904	904	904	901	2
3	910	909	909	910	909	908	907	908	905	904	903	905	903	903	903	902	3
4	909	909	907	907	908	908	907	902	903	904	906	906	902	901	901	901	4
5	910	907	909	908	907	908	907	904	905	906	906	906	903	902	902	901	5
6	911	909	908	907	907	907	907	905	905	906	907	907	903	902	902	900	6
7	913	909	906	907	906	906	908	906	907	907	907	907	904	901	901	900	7
8	918	913	909	911	910	911	903	911	911	911	910	908	907	907	907	907	8
9	917	913	904	916	913	913	916	913	913	910	910	908	909	910	910	908	9
10	912	905	896	917	914	916	912	906	911	908	909	912	908	906	907	909	10
11	905	897	889	911	909	910	901	900	909	904	903	907	902	901	901	901	11
Noon	900	898	891	906	901	903	889	891	901	903	901	901	893	895	897	885	Noon
13	899	897	892	901	897	898	883	881	901	896	900	897	889	895	896	880	13
14	899	899	891	900	895	899	885	885	900	891	901	893	888	897	896	880	14
15	903	903	898	902	899	902	891	890	899	892	902	892	889	899	897	887	15
16	908	911	904	905	903	907	897	898	901	896	903	895	906	901	898	897	16
17	911	914	909	908	905	909	901	901	905	900	904	900	902	903	898	901	17
18	912	915	911	909	908	911	903	906	910	903	907	903	905	906	900	905	18
19	912	911	912	909	907	910	902	906	909	905	908	905	907	906	902	904	19
20	912	912	910	909	907	908	903	905	907	913	910	907	909	907	903	905	20
21	913	911	913	909	908	908	903	906	908	910	911	907	909	908	904	906	21
22	913	911	911	909	908	907	904	907	907	911	911	907	909	909	904	907	22
23	913	911	911	909	908	907	903	903	906	910	909	907	903	909	903	907	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30		Mean	Hour \ Day
Midnight	906	906	904	907	910	907										907	Midnight
1	905	904	904	907	909	905										907	1
2	905	904	904	910	909	905										906	2
3	904	905	904	904	906	905										906	3
4	903	905	903	907	907	906										905	4
5	903	905	903	906	907	907										906	5
6	901	904	902	904	906	906										905	6
7	903	905	903	903	907	906										906	7
8	907	911	911	911	911	910										910	8
9	909	913	913	914	913	910										912	9
10	903	903	910	912	907											909	10
11	896	894	900	911	894											902	11
Noon	889	883	894	907	889											896	Noon
13	890	880	890	907	893											893	13
14	907	887	893	909	901											895	14
15	908	889	897	907	902											898	15
16	901	892	902	906	903											902	16
17	903	897	907	909	905											904	17
18	907	900	909	910	904											907	18
19	907	901	907	912	906											907	19
20	906	901	907	911	906											907	20
21	906	902	908	910	907											908	21
22	905	903	909	911	906											908	22
23	906	904	907	911	907											908	23

Registration ceases on 22nd owing to shortage of photo paper - Resumes on 1.6.41

TABLE VI - RESULTS OF METEOROLOGICAL OBSERVATIONS MADE AT THE AEROLOGICAL STATION, VACOAS (424.5 metres above mean sea level) DURING THE MONTH OF APRIL, 1941

Month and Day 1941	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)	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
APR.	mbs	°C	°C	°C	%	mbs	o	m.p.s		°C	°C	°C	°C	°C	°C	°C	mms	mins	hrs	%
1	968.4	25.7	2.8	21.5	78	25.6	65	5.4	7	22.2	24.7	26.2	22.0	27.6	21.6	6.1	...	...	10.4	88
2	969.1	24.9	1.7	22.4	86	27.1	85	3.0	7	22.5	23.7	24.9	22.5	27.9	21.6	6.3	1.7	30	5.9	50
3	969.4	25.2	2.0	22.2	84	26.8	90	2.6	7	22.0	24.5	26.2	22.2	27.9	21.6	6.3	9.4	20	9.3	50
4	969.1	24.9	2.0	21.9	84	26.3	90	5.1	8	22.6	24.2	25.0	22.1	26.4	22.0	4.4	11.7	155	7.5	64
5	970.5	24.7	1.9	21.8	84	26.1	90	7.9	9	22.0	24.3	25.0	22.4	26.0	21.4	4.6	3.6	35	9.9	84
6	970.3	22.3	1.1	20.6	90	24.2	85	5.4	10	21.5	21.8	23.8	21.2	25.0	21.1	3.9	11.1	130	6.7	57
7	968.8	23.7	2.3	20.3	81	23.8	95	5.7	8	20.0	22.7	24.6	21.0	25.4	20.0	5.4	0.8	15	9.8	84
8	968.7	23.9	3.0	19.2	75	22.2	95	4.4	5	20.1	23.0	22.1	20.6	25.8	19.3	6.5	9.2	110	8.7	75
9	969.1	23.7	1.9	20.8	84	24.6	95	4.5	5	20.2	23.1	23.9	21.0	25.6	20.0	5.6	1.5	20	9.0	77
10	967.9	24.1	2.7	19.9	77	23.2	85	5.1	4	20.3	23.3	24.7	21.0	25.8	19.0	6.8	0.3	5	10.5	90
11	967.3	24.8	2.5	20.9	79	24.7	90	5.0	6	20.6	24.5	24.4	21.6	25.8	19.7	6.0	0.3	5	9.2	79
12	966.4	21.4	2.4	17.5	79	20.0	90	4.4	10	21.5	20.6	21.3	21.5	25.1	20.5	4.6	17.2	255	0.0	0
13	965.4	25.0	1.9	22.2	85	26.8	55	3.3	6	21.3	24.1	22.7	21.6	27.2	20.4	6.8	82.4	540	2.8	25
14	967.1	22.8	0.4	22.2	97	26.8	90	4.4	10	21.7	21.7	23.2	22.7	24.3	20.5	3.8	70.7	830	0.0	0
15	966.7	22.5	0.3	22.0	97	26.4	CALM		10	21.6	21.8	23.9	23.0	24.7	21.5	3.2	43.0	540	0.0	0
16	966.0	23.5	1.3	21.6	89	25.8	90	4.4	9	22.0	22.8	24.4	21.3	25.5	21.3	4.2	4.2	170	6.9	60
17	965.1	23.9	1.5	21.7	88	26.0	90	7.9	8	21.3	23.3	24.9	22.0	25.8	21.0	4.8	2.2	30	10.1	88
18	966.4	23.9	2.7	19.7	78	23.0	90	5.6	6	20.1	23.1	24.2	20.5	25.3	19.8	5.5	2.8	75	9.0	79
19	966.3	23.6	2.3	20.0	81	23.4	90	5.0	8	20.6	22.7	24.0	21.9	25.8	20.4	5.4	1.3	15	9.0	79
20	965.2	23.9	1.1	22.3	91	27.0	120	1.8	8	21.3	22.6	25.2	22.0	27.3	21.0	6.3	1.8	50	5.9	52
21	964.6	24.5	1.8	22.1	87	26.6	110	2.6	9	19.7	22.8	25.2	22.4	26.6	19.7	6.9	1.1	25	2.7	24
22	966.4	22.5	0.4	21.9	96	26.3	140	1.6	9	21.5	22.4	24.9	21.3	26.3	21.2	5.1	...	...	4.8	42
23	968.1	24.6	2.5	20.7	79	24.4	140	1.5	4	18.9	24.3	26.0	22.3	27.8	18.5	9.3	0.2	5	10.8	94
24	967.7	24.9	2.5	21.1	80	25.0	135	3.8	4	21.5	24.5	25.2	21.7	27.3	21.1	6.2	1.2	35	7.3	64
25	968.3	24.5	2.8	20.1	76	23.5	125	1.9	8	21.7	24.2	26.5	21.3	27.6	21.3	6.3	1.0	45	4.7	42
26	968.9	25.2	2.9	20.8	77	24.6	70	1.6	4	20.9	24.6	24.7	21.6	26.6	20.8	5.8	0.3	5	9.8	86
27	967.4	24.9	2.6	21.0	79	24.9	50	3.4	7	20.4	24.2	22.4	21.5	26.8	20.4	6.4	4.5	30	6.9	61
28	966.0	23.7	1.8	21.0	85	24.8	50	5.4	7	19.8	22.7	26.3	22.5	28.0	19.3	8.7	4.3	100	8.2	72
29	968.6	26.2	2.5	22.5	81	27.3	45	1.9	6	22.3	25.8	26.5	22.6	28.7	22.1	6.6	0.7	20	10.1	89
30	968.0	23.2	1.5	20.9	87	24.7	60	5.8	9	22.4	22.8	24.6	21.7	26.0	21.7	4.3	2.8	145	4.1	37
Mean	967.6	24.1	2.0	21.1	83.8	25.0	...	4.1	7.3	21.2	23.4	24.6	21.8	26.4	22.1	5.7	291.3	3465	7.00	60.7
Average	969.2	21.6	2.1	18.0	80.3	20.6	...	4.2	5.5	...	...	...	...	23.6	17.5	6.1	189.0	...	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 + 40.2 mbs
Temperature of the Air + 1.0°C
Vapour Pressure + 1.5 mbs
Relative Humidity - 0.4 %
Velocity of Wind - 0.93 m.p.s.
Amount of Cloud - 2.1
Greatest Rainfall Intensity 10.5 mms in 10 mins

Amount of Rain - 60.0 mms
Duration of Sunshine [illegible] hrs
Mean of Maximum Temperatures + 2.0°C
Mean of Minimum Temperatures + 0.3°C
Absolute Maximum Temperatures + 1.5°C
Absolute Minimum Temperatures - 1.6°C

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF APRIL, 1941

Month and Day 1941	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			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 Dines Pluviograph	Duration	Amount of Evaporation	
APR.	mbs	mbs	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs	°C	mms	min	mms	
1	1009.3	+ 2.8	29.3	23.6	5.7	25.9	+ 1.1	2.1	22.8	+ 1.3	83	+ 1	27.8	21.2	0.0	...	5.0	4.5
2	1009.8	+ 3.3	29.6	23.4	6.2	25.6	+ 0.8	1.9	22.8	+ 1.3	85	+ 3	27.8	20.3	0.5	40	6.1	4.9
3	1010.4	+ 3.8	29.2	24.0	5.2	26.2	+ 1.5	2.3	22.8	+ 1.4	82	0	27.8	22.0	0.5	40	5.2	3.2
4	1011.0	+ 4.3	29.0	24.6	4.4	26.0	+ 1.3	2.3	22.6	+ 1.2	82	0	27.4	22.6	2.8	135	6.3	4.7
5	1011.4	+ 4.6	28.9	23.1	5.8	25.9	+ 1.2	2.8	21.8	+ 0.4	78	- 4	26.1	21.6	3.7	50	6.1	5.1
6	1010.9	+ 4.0	28.4	22.8	5.6	25.4	+ 0.8	2.7	21.3	0.0	78	- 4	25.3	22.4	4.9	120	6.0	5.1
7	1009.3	+ 2.3	28.0	22.9	5.1	25.0	+ 0.4	3.0	20.4	- 0.9	76	- 6	24.0	20.4	0.1	20	4.3	4.2
8	1009.4	+ 2.4	28.4	21.9	6.5	24.6	+ 0.1	2.7	20.5	- 0.7	78	- 4	24.1	18.9	2.2	80	6.8	3.3
9	1009.6	+ 2.5	28.1	21.1	7.0	24.2	- 0.3	2.6	20.1	- 1.1	78	- 4	23.5	17.6	0.2	10	4.9	2.7
10	1008.0	+ 0.8	28.3	20.1	8.2	24.1	- 0.3	3.0	19.5	- 1.6	76	- 6	22.7	16.0	0.0	..	5.4	2.5
11	1006.9	- 0.3	28.7	21.6	7.1	24.9	+ 0.5	2.7	20.8	- 0.3	78	- 4	24.6	17.3	0.0	..	5.3	4.4
12	1005.7	- 1.6	25.8	22.5	3.3	24.3	0.0	1.5	22.1	+ 1.1	87	+ 5	26.6	21.9	12.4	250	5.6	8.4
13	1006.6	- 0.7	29.1	23.3	5.8	25.0	+ 0.7	1.1	23.4	+ 2.4	91	+ 9	28.8	22.3	40.0	380	3.1	8.5
14	1007.1	- 0.3	26.1	22.3	3.8	24.4	+ 0.2	0.6	23.5	+ 2.6	95	+ 13	29.0	21.4	71.3	790	3.1	10.0
15	1006.5	- 1.0	26.3	23.9	2.4	24.8	+ 0.6	0.6	23.9	+ 3.0	95	+ 13	29.7	23.0	63.5	710	3.1	10.0
16	1005.6	- 1.9	27.7	21.8	5.9	24.9	+ 0.8	1.9	22.1	+ 1.3	84	+ 3	26.6	22.5	2.6	20	2.7	5.1
17	1005.5	- 2.1	28.2	22.6	5.6	25.1	+ 1.1	2.1	22.0	+ 1.3	83	+ 2	26.4	18.9	3.5	130	4.5	6.7
18	1006.5	- 1.2	28.1	21.1	7.0	24.6	+ 0.6	2.6	20.6	- 0.1	78	- 3	24.2	17.9	0.3	70	5.7	4.4
19	1006.2	- 1.6	28.1	22.7	5.4	25.0	+ 1.1	2.5	21.2	+ 0.7	79	- 2	25.2	20.5	0.1	10	5.3	4.2
20	1004.6	- 3.3	28.9	21.8	7.1	24.8	+ 0.9	1.9	22.0	+ 1.5	84	+ 3	26.4	19.7	4.1	90	4.4	5.5
21	1004.5	- 3.4	28.8	20.7	8.1	24.2	+ 0.4	1.4	22.1	+ 1.7	88	+ 7	26.6	17.9	1.1	80	3.5	5.9
22	1006.6	- 2.4	29.1	21.7	7.4	25.1	+ 1.3	2.0	22.1	+ 1.7	83	+ 2	26.6	18.9	0.0	..	3.0	2.9
23	1008.0	- 0.1	30.2	20.8	9.4	25.1	+ 1.4	2.1	22.0	+ 1.7	83	+ 2	26.4	17.0	0.3	20	3.1	3.7
24	1008.0	- 0.2	29.1	23.4	5.7	25.6	+ 1.9	2.1	22.5	+ 2.2	83	+ 2	27.3	20.3	0.0	..	3.4	4.9
25	1008.2	0.0	29.1	22.2	6.9	25.3	+ 1.7	1.8	22.6	+ 2.4	85	+ 4	27.4	19.1	0.0	..	3.5	4.5
26	1008.8	+ 0.5	28.1	22.0	6.1	24.7	+ 1.2	1.9	21.9	+ 1.8	85	+ 4	26.3	19.2	2.4	30	2.9	2.9
27	1007.2	- 1.2	27.9	22.1	5.8	24.8	+ 1.3	1.7	22.3	+ 2.2	86	+ 5	27.0	19.2	1.4	60	4.1	5.2
28	1006.6	- 1.9	29.1	22.1	7.0	25.3	+ 1.9	1.8	22.6	+ 2.6	85	+ 4	27.4	20.7	6.9	200	4.6	6.0
29	1008.4	- 0.2	29.1	24.0	5.1	26.1	+ 2.7	1.6	23.8	+ 3.8	87	+ 6	29.5	21.1	0.7	90	4.5	4.9
30	1008.1	- 0.6	28.1	23.5	4.6	25.2	+ 1.9	1.6	22.9	+ 3.0	87	+ 6	27.9	19.4	5.0	110	4.1	7.6
Mean	1007.8	+ 0.3	28.4	22.4	6.0	25.1	+1.0	+ 2.1	22.0	+ 1.3	83.4	+ 1.9	26.5	20.0	Sum 230.5	Sum 3545	4.5	5.2
Average	1007.5	...	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, 1941

A tropical cyclone believed to be of weak or moderate intensity formed about 600 nautical miles north-east of Rodrigues on the 16th or 17th of the month and passed well to east of that island on the 20th.

Conditions in Mauritius were anticyclonic with reinforced trade winds and sunny weather during the first 10days of the month. A break occurred in the middle of the month with a weak disturbanceto the north of Mauritius and widespread rain on the 12th - 15th.

After the cyclone has dissolved far south-east of Mauritius on the 23rd more normal conditions prevailed to the end of the month.

TABLE VII (Cont'd) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF APRIL, 1941

Month and Day 1941	Duration of Bright Sunshine	Percentage of possible 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)
APR.									
1	10.5	68	2.8	- 0.4	25.3	27.2	28.2	28.0	bc b
2	7.6	64	3.1	- 0.1	25.4	27.2	28.1	28.3	bro b cro c bc b
3	11.0	93	4.4	+ 1.2	25.4	27.2	28.1	28.3	b bc bcro b bro b
4	8.8	75	4.9	+ 1.7	25.5	27.1	28.1	28.3	b bro bcro bcq cro bcro
5	10.4	88	5.3	+ 2.1	25.2	27.1	28.0	28.2	bcro oro bc bcq bc b
6	9.2	78	5.0	+ 1.8	25.2	27.1	28.0	28.0	b bq bcqo bc bcro cro
7	10.6	91	4.6	+ 1.4	25.4	27.0	28.0	27.7	bcro bc b
8	9.6	82	4.1	+ 0.8	25.3	26.9	27.9	27.6	bo b bc c bcro
9	10.3	88	3.4	+ 0.1	25.2	27.0	27.7	27.4	bo b bc bcro bc b
10	11.0	94	3.0	- 0.3	25.5	27.0	27.6	27.3	b bc b
11	10.2	87	3.8	+ 0.5	25.3	26.9	27.6	27.2	bc b
12	0.0	0	4.6	+ 1.3	25.4	27.0	27.5	27.4	bc c ogcr ogqrr ogqr o c bc
13	3.3	28	2.3	- 1.0	25.3	27.1	27.3	27.1	cro or oro cqro cRR cr bcr
14	0.0	0	3.7	+ 0.4	25.4	27.1	27.2	26.7	orr oqroro oro or oRR
15	0.0	0	2.6	- 0.7	25.4	27.1	26.9	25.9	or ororo oRR or o oro orr
16	9.0	78	3.1	- 0.2	25.3	27.0	26.6	25.9	cr bc b
17	10.0	86	3.8	+ 0.5	25.3	27.0	26.6	26.4	o oro bc b bcro
18	10.1	88	3.8	+ 0.5	25.4	26.9	26.7	26.6	bo b bcro bc bcro bc
19	10.6	92	3.1	- 0.2	25.3	26.9	26.7	26.8	b bc b bro
20	5.0	44	1.7	- 1.6	25.4	27.1	26.8	27.1	cro c cro bcro bc b bo
21	3.5	30	1.5	- 1.8	25.3	26.8	26.8	27.0	bc c bcro c cro bcro b bo
22	7.2	63	1.7	- 1.6	25.4	26.8	26.9	27.0	bo bc b bo
23	9.1	78	1.6	- 1.7	25.4	26.8	26.9	26.9	bo b bc bcro
24	5.5	48	1.4	- 1.9	25.4	26.8	26.9	27.3	bc c bc b
25	7.3	64	1.6	- 1.7	25.4	26.8	27.0	27.2	c bc b
26	10.7	94	2.6	- 0.7	25.4	26.8	27.0	27.2	br b bcro bc b
27	8.9	78	2.5	- 0.8	25.4	26.8	27.0	27.2	bcro bc bcro bc oro bc b
28	8.6	75	2.8	- 0.5	25.6	26.8	27.1	27.2	cr oro bc b bro
29	9.5	83	2.7	- 0.6	25.6	26.8	27.1	27.5	b bro bc bclro bctlro
30	7.9	70	3.6	+ 0.3	25.4	26.7	27.1	27.6	oro bcro bc c bcro bc
Mean	7.85	67.6	3.17	- 0.11	25.37	26.96	27.31	27.28	
Average	7.55	65.0	3.28	...	25.57	26.90	27.07	26.91	
Column	19	20	21	22	23	24	25	26	27

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF APRIL, 1941

Element	Highest	hrs	Date	Lowest	Date
Atmospheric Pressure	1012.6 mbs at	22.00	on 5th	1002.8 mbs at 16.00	on 20th
Temperature of the Air	30.2°C at	12.45	on 23rd	20.1°C at 06.00	on 10th
Daily Range of Temperature of the Air	9.4°C		on 23rd	2.4°C	on 15th
Temperature of the Dew Point	24.7°C at	13.00			
Minimum on grass				16.0°C	on 10th
Relative Humidity	98.3 % at	22.00 & 0.200	on 14th & 15th	55.0% at 18.00	on 10th
Vapour Pressure	31.1 mbs at	13.00	on 15th	20.9 mbs at 12.00	on 7th
Evaporation in 24 hrs	6.8 mms		on 8th	2.7 mms	on 16th
Wind Velocity	8.3 mps at	13.00	on 12th	0.6 mps	often
Rainfall in 24 hrs.	90.1 mms ending	11.00	on 15th		
Duration of Sunshine		11.0hrs	on 10th & 3rd	0.0 hr	on 14th & 19th

Mean day Temperature of Air 25.64°C Mean Night Temperature of Air 23.63°C Average 23.39°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
...	6	19	3	2	8	10	2	1	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 of gravity, but are not reduced to sea level)
(The cistern of the barometer is 55.2 metres above mean sea level)

APRIL, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	098	106	103	119	116	123	110	096	106	096	081	074	069	080	079	067	Midnight
1	095	101	100	117	111	119	102	091	103	091	077	070	062	079	071	065	1
2	091	098	095	112	109	113	099	091	103	091	077	070	062	079	071	065	2
3	085	094	091	110	102	110	091	085	094	080	068	062	059	060	064	051	3
4	081	091	090	109	106	104	090	083	090	076	065	052	051	070	059	050	4
5	081	089	091	109	109	104	091	087	091	076	066	051	050	076	057	052	5
6	083	090	097	110	111	106	094	090	097	080	068	052	051	060	061	056	6
7	088	095	106	114	115	111	100	095	100	081	073	056	061	071	068	062	7
8	098	098	109	120	121	114	101	099	101	089	080	066	067	079	076	067	8
9	103	101	111	122	124	118	102	101	103	090	081	067	072	080	080	069	9
10	100	105	112	120	123	120	101	102	107	091	081	071	072	080	076	066	10
11	099	108	111	115	121	113	097	101	105	086	077	069	071	072	068	062	11
Noon	097	100	109	109	120	110	093	096	097	079	071	053	069	071	063	058	Noon
13	092	093	100	101	114	101	087	090	084	072	063	047	067	070	060	051	13
14	088	091	095	097	109	098	080	084	080	070	058	041	060	061	058	047	14
15	081	090	092	096	106	096	076	088	078	067	054	040	060	060	052	046	15
16	082	090	093	095	106	096	078	086	079	067	055	042	060	061	050	044	16
17	088	091	096	096	106	098	080	085	080	070	056	046	061	060	051	046	17
18	090	096	100	100	110	102	081	089	086	071	059	050	063	066	057	051	18
19	092	101	109	106	113	110	089	092	091	080	066	056	070	069	066	054	19
20	101	105	112	111	119	113	096	099	099	082	071	060	075	075	065	059	20
21	106	109	120	113	122	120	100	105	101	087	071	061	079	074	069	060	21
22	106	110	120	120	126	116	101	108	102	088	074	065	082	079	070	060	22
23	106	108	120	118	125	114	100	106	100	083	074	064	081	072	069	057	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean	Hour \ Day
Midnight	054	071	070	060	043	065	081	091	090	092	090	071	090	089	086	Midnight
1	051	070	068	055	040	062	080	091	088	091	087	070	087	089	083	1
2	048	068	063	050	039	060	076	083	081	086	080	066	083	081	078	2
3	043	064	061	048	032	056	071	079	076	081	075	060	080	079	074	3
4	042	062	060	046	031	055	070	079	072	080	072	052	080	071	071	4
5	044	063	061	046	031	056	072	079	072	080	071	060	077	072	072	5
6	049	069	065	050	037	060	076	080	076	082	072	066	079	078	075	6
7	051	070	069	056	042	064	083	082	080	091	075	068	083	082	080	7
8	058	072	070	060	050	069	089	086	086	099	080	071	090	090	085	8
9	061	076	072	061	053	072	092	090	092	101	087	072	096	091	088	9
10	060	072	076	061	055	073	092	090	093	105	082	071	097	096	088	10
11	059	069	072	052	051	071	089	084	088	100	079	064	090	082	084	11
Noon	050	062	063	047	049	068	080	077	082	091	071	061	084	073	078	Noon
13	047	059	058	041	040	061	071	070	073	088	063	055	081	073	072	13
14	044	051	051	032	033	054	066	064	070	081	058	051	079	074	068	14
15	043	049	048	029	031	052	065	060	070	079	056	051	073	070	065	15
16	044	050	049	028	036	057	067	061	070	080	057	055	073	070	066	16
17	049	052	051	030	041	062	070	064	075	080	060	058	080	071	068	17
18	053	060	056	037	049	069	074	071	079	081	063	061	080	078	073	18
19	060	064	057	043	050	074	080	076	086	084	066	063	082	081	078	19
20	070	068	062	045	057	079	089	084	090	090	072	074	085	082	083	20
21	072	071	065	046	061	082	091	090	095	094	075	080	092	088	087	21
22	075	072	064	046	065	082	091	091	096	092	074	088	095	086	088	22
23	073	071	062	046	065	081	091	090	095	091	072	090	089	090	087	23

TABLE IX - AMOUNT OF CLOUD AT EVERY HOUR OF THE DAY (0-CLEAR SKY, 10 - OVERCAST SKY)

Hour \ Day	APRIL, 1941																														
	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
Midnight	4	1	2	1	6	1	10	0	0	1	5	4	6	10	10	10	10	1	1	9	3	0	0	7	9	0	1	8	1	10	4.4
1	4	1	2	1	6	1	8	0	0	1	5	4	7	10	10	9	10	0	1	9	3	0	0	6	9	5	1	9	1	10	4.4
2	4	1	2	1	6	1	5	0	0	1	5	6	8	10	10	9	10	0	1	9	6	0	0	5	9	0	4	10	1	10	4.5
3	4	1	2	2	3	1	3	0	0	1	5	6	10	10	10	9	10	0	1	9	9	0	0	4	9	0	4	8	1	10	4.4
4	3	1	3	2	10	1	4	0	0	1	5	6	10	10	10	7	10	0	4	9	9	0	0	6	9	1	4	9	1	8	4.8
5	3	2	3	1	10	1	4	0	2	1	5	7	10	10	10	5	10	1	4	9	9	0	0	8	1	1	7	10	1	6	4.7
6	5	2	3	1	10	1	9	0	2	1	5	10	10	10	10	4	10	2	4	9	9	0	0	10	1	7	7	10	1	4	5.0
7	6	2	4	1	7	1	8	0	3	1	5	10	9	10	10	5	10	3	4	9	9	3	0	8	1	2	7	10	1	6	5.2
8	6	4	5	2	3	3	7	1	3	2	5	10	8	10	10	5	8	4	4	8	7	6	1	6	4	3	6	10	3	7	5.4
9	7	6	6	4	1	5	6	3	4	4	5	10	7	10	10	6	6	5	6	8	6	9	3	4	8	4	7	10	6	9	6.2
10	6	9	6	7	4	3	7	4	5	5	6	10	8	10	10	7	7	6	5	7	8	4	4	8	6	6	8	8	6	9	6.6
11	6	9	6	7	4	3	7	4	5	6	10	8	10	10	7	7	6	5	7	8	4	4	8	6	6	8	8	6	1	9	6.6
Noon	6	7	6	5	8	7	4	7	4	3	6	10	10	10	10	6	6	6	6	8	9	6	6	5	6	5	7	6	6	6	6.5
13	7	8	6	7	6	6	5	7	6	4	7	10	10	10	10	6	6	6	7	6	8	6	7	6	7	6	8	6	6	8	6.9
14	6	8	6	8	7	5	5	8	6	4	7	10	9	10	10	7	6	6	6	5	8	6	7	6	7	6	8	6	6	8	6.9
15	5	9	5	6	7	6	4	8	4	4	4	10	9	10	10	6	6	6	6	5	8	6	8	6	7	6	6	5	6	8	6.5
16	5	9	3	7	7	7	3	5	5	3	3	10	9	10	10	4	4	6	5	4	7	5	6	4	5	5	5	4	7	9	5.9
17	6	8	2	9	5	7	2	3	5	2	3	10	9	10	10	3	3	6	4	2	6	5	4	3	3	3	4	3	7	9	5.2
18	6	10	2	10	3	8	2	4	5	2	3	10	9	10	10	3	1	8	3	2	6	5	2	3	1	3	4	3	7	9	5.1
19	3	6	1	10	3	10	1	5	1	2	3	9	9	10	10	1	3	7	2	1	4	2	4	2	1	1	3	2	7	8	4.4
20	3	5	1	5	2	6	1	3	1	2	2	9	9	10	10	1	7	7	1	0	2	0	6	1	1	1	2	2	6	8	3.8
22	1	2	1	6	2	10	1	5	1	2	2	7	6	10	10	1	5	6	7	0	0	0	8	1	1	1	4	1	10	4	3.8
22	1	2	1	6	2	10	1	5	1	2	2	7	6	10	10	1	5	6	7	0	0	0	8	1	1	1	4	1	10	4	3.8
23	1	2	1	6	2	10	1	5	1	2	2	7	6	10	10	1	3	6	9	0	0	7	1	0	1	6	1	0	10	4	3.8

TABLE X - DURATION OF BRIGHT SUNSHINE AT EVERY HOUR OF THE DAY AS RECORDED BY THE CAMPBELL-STOKES SUNSHINE RECORDER

Hour Ending \ Day	APRIL, 1941																														
	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	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	6.8
7	20	20	31	10	9	12	12	28	26	30	26	0	0	0	0	0	17	21	10	9	5	35	35	0	32	27	0	0	0	0	6.3
8	60	58	60	36	50	60	60	60	60	60	60	0	8	0	0	25	60	60	60	17	0	60	60	0	60	60	54	10	38	14	20.2
9	60	36	60	60	60	60	60	60	60	60	60	0	48	0	0	23	48	55	60	38	11	53	60	52	39	60	48	21	56	54	22.7
10	60	60	60	56	60	55	60	60	60	60	60	0	41	0	0	55	60	60	60	21	40	50	60	60	26	60	24	55	60	39	23.7
11	60	24	60	60	60	60	60	60	60	60	60	0	48	0	0	23	48	55	60	38	11	53	60	52	39	60	48	21	56	54	22.7
Noon	60	37	60	60	60	60	60	60	60	60	60	0	37	0	0	60	60	60	60	4	29	20	60	25	55	60	60	60	60	60	23.5
13	60	60	60	60	60	60	60	60	60	60	60	0	0	0	0	60	60	60	60	0	21	39	60	0	29	60	54	60	60	60	22.2
14	60	60	60	60	60	60	60	59	60	60	32	0	0	0	0	53	60	60	60	24	24	26	34	8	33	60	51	60	60	47	21.5
15	60	24	60	60	60	42	60	13	60	60	60	0	0	0	0	60	60	60	60	60	16	33	25	60	14	60	60	60	59	60	21.8
16	60	55	60	60	60	19	60	35	60	60	60	0	1	0	0	60	60	60	60	4	36	37	35	14	60	60	60	60	60	60	21.3
17	54	15	60	7	60	49	60	57	60	60	60	0	0	0	0	60	51	41	58	36	8	45	42	40	50	60	53	59	55	44	20.7
18	15	4	31	0	25	18	30	24	3	31	13	0	0	0	0	37	20	10	27	23	0	1	15	22	26	14	10	13	1	13	7.0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	235.4

TABLE XI [illegible] - 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)

A P R I L, 1941

Day / Hour	1		2		3		4		5		6		7		8		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	0.8	24.1	1.1	24.2	1.3	24.9	1.4	24.1	1.1	25.0	2.3	23.3	1.2	23.0	2.2	Midnight
1	24.1	1.1	23.9	1.0	24.3	1.3	24.8	1.4	23.1	0.9	24.3	1.9	23.2	1.2	23.1	2.2	1
2	24.0	0.9	23.9	1.0	24.1	1.3	24.7	1.5	24.1	1.0	24.9	2.2	23.0	1.4	23.1	2.2	2
3	23.7	0.8	23.9	1.0	24.2	1.3	24.6	1.5	24.3	1.0	24.7	2.5	23.1	1.6	23.0	2.1	3
4	23.9	0.9	23.8	0.9	24.1	1.3	24.6	1.5	24.3	1.1	24.6	2.6	23.2	1.4	22.5	1.8	4
5	23.7	0.7	23.8	0.9	24.2	1.4	24.7	1.7	24.2	1.7	24.4	2.7	23.1	1.4	22.2	1.8	5
6	23.6	0.7	24.2	0.9	24.2	1.3	24.7	1.7	24.9	2.1	24.3	2.3	23.3	1.6	22.0	1.8	6
7	24.4	1.2	25.2	1.4	25.0	1.5	25.3	1.9	25.0	2.3	25.2	3.0	23.7	1.7	23.3	2.3	7
8	26.1	1.8	26.4	1.6	26.3	2.3	26.5	2.5	26.6	3.3	26.0	3.7	25.6	2.7	25.3	3.3	8
9	27.2	2.4	27.5	3.1	27.8	3.2	27.4	3.0	27.4	4.2	26.1	3.1	26.0	3.1	26.8	4.0	9
10	28.1	3.7	28.0	3.3	28.0	3.6	26.5	2.5	27.9	4.2	27.6	4.3	26.9	4.1	27.4	4.6	10
11	28.8	3.5	28.3	3.3	28.8	3.8	28.1	3.9	28.0	4.0	27.9	4.7	27.2	4.6	27.3	4.7	11
Noon	29.1	4.8	27.5	2.5	29.0	4.0	28.3	4.3	28.0	4.1	27.1	3.1	27.8	6.1	28.1	4.8	Noon
13	28.8	4.6	27.9	2.7	28.9	3.9	28.8	4.6	28.2	4.3	28.0	4.2	27.3	5.0	27.8	4.5	13
14	28.9	4.9	27.8	2.7	29.0	4.0	28.6	4.1	28.1	4.2	27.9	4.2	27.5	5.5	27.9	4.7	14
15	28.4	4.3	26.7	2.4	28.7	3.7	28.0	3.8	27.9	4.1	26.5	3.2	27.5	4.8	25.4	2.5	15
16	28.1	3.9	26.5	2.3	28.1	3.5	27.5	3.3	27.1	3.1	26.1	2.2	27.0	4.3	25.7	3.0	16
17	27.2	3.1	26.3	2.3	27.3	3.2	27.1	3.0	26.7	3.6	26.0	3.0	26.3	3.3	25.3	2.3	17
18	26.1	2.1	26.1	2.4	26.5	2.3	25.1	1.1	25.7	2.8	25.2	2.5	25.1	3.0	24.4	2.5	18
19	25.2	1.3	25.3	1.8	25.5	0.9	24.3	1.3	25.2	2.6	24.0	1.8	24.2	2.5	23.4	1.6	19
20	25.1	1.2	24.7	1.5	25.1	1.4	25.0	1.4	25.3	2.6	24.1	1.9	24.0	2.8	23.6	1.4	20
21	24.8	1.0	24.4	2.5	25.2	1.2	25.1	1.5	25.3	2.7	23.0	0.9	24.0	2.9	23.6	1.3	21
22	24.9	0.9	24.3	1.5	25.1	1.2	24.9	1.1	25.1	2.8	23.5	1.3	23.7	2.7	23.1	1.1	22
23	24.4	0.7	24.3	1.5	25.0	1.4	24.3	0.9	25.1	2.4	23.2	1.2	23.3	2.4	22.8	1.6	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of air over Evap	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	22.2	2.2	23.0	2.0	22.0	1.3	24.3	2.0	24.2	1.4	23.3	0.5	23.9	0.4	24.7	0.7	Midnight
1	21.7	1.2	22.0	1.8	21.8	1.4	24.3	2.0	25.0	1.7	23.3	0.4	24.0	0.4	23.9	0.8	1
2	21.6	1.5	21.6	1.5	21.8	1.5	23.9	1.7	25.0	1.4	23.3	0.7	24.1	0.2	24.2	0.5	2
3	21.3	1.3	21.4	1.4	21.9	1.5	24.0	1.9	24.6	0.8	23.2	0.5	24.1	0.5	24.1	0.8	3
4	21.3	1.3	21.1	1.3	22.1	1.3	24.0	1.9	23.9	0.7	22.9	0.6	24.1	0.3	24.0	0.8	4
5	21.3	1.3	20.8	1.3	22.0	1.3	24.1	2.1	24.1	0.9	22.4	0.4	24.0	0.3	24.3	0.8	5
6	21.3	1.2	20.1	1.0	22.2	1.2	24.7	2.7	24.0	1.0	22.9	0.6	23.9	0.2	24.2	0.8	6
7	22.8	1.7	21.9	1.6	23.0	1.7	24.1	2.1	24.2	0.8	23.7	0.7	23.9	0.2	24.2	0.7	7
8	25.1	2.4	24.9	2.9	25.4	2.6	23.9	1.2	25.8	1.1	24.1	0.6	24.0	0.6	25.0	1.9	8
9	26.5	3.8	26.3	3.8	27.0	3.8	23.6	1.3	26.9	2.0	24.6	0.7	23.9	0.7	25.3	1.1	9
10	27.0	4.1	26.6	4.3	27.7	4.1	23.9	1.1	27.7	2.8	25.1	0.9	25.1	0.5	26.6	2.6	10
11	27.3	4.2	27.5	4.6	27.4	3.9	23.3	0.3	28.4	3.2	25.4	0.7	24.4	0.5	26.7	3.2	11
Noon	28.0	4.7	28.0	5.7	27.7	4.1	23.2	0.5	26.2	1.1	25.3	0.7	25.3	0.6	27.3	4.2	Noon
13	27.1	4.0	28.1	6.1	28.5	4.9	24.1	1.1	23.5	0.6	25.4	0.6	26.1	1.0	27.7	4.4	13
14	27.9	4.5	27.8	5.5	26.8	3.8	25.0	2.1	24.0	1.0	25.7	0.9	26.2	1.2	27.0	3.7	14
15	27.2	4.2	27.3	5.0	27.6	4.6	25.2	2.4	25.6	0.8	26.0	1.0	26.3	1.3	27.2	4.0	15
16	26.6	4.4	27.0	4.8	26.9	4.1	25.7	2.0	26.0	0.9	25.3	0.8	26.2	1.2	26.7	3.8	16
17	26.0	3.7	26.0	4.4	26.2	3.5	25.1	1.6	25.1	0.5	25.5	0.8	25.8	1.0	26.0	3.4	17
18	24.2	2.2	24.1	3.1	25.2	2.6	25.0	1.4	24.9	0.7	25.0	0.9	25.4	0.9	25.0	2.1	18
19	23.3	2.1	23.1	2.1	24.6	2.3	24.8	1.4	24.1	0.3	24.7	0.7	25.5	0.8	23.9	1.8	19
20	22.6	1.8	22.3	1.8	24.6	2.3	24.9	1.5	24.0	0.8	25.0	0.8	25.1	0.5	23.2	1.3	20
21	22.5	1.6	22.7	2.0	24.7	2.5	24.7	1.4	24.1	0.4	25.0	0.3	24.1	0.3	22.9	1.4	21
22	22.4	1.4	22.1	1.5	24.5	2.2	24.3	1.3	24.0	0.6	24.2	0.2	24.3	0.3	22.1	1.1	22
23	22.9	1.7	22.2	1.5	24.1	1.8	23.9	1.1	24.0	0.6	25.1	0.6	24.6	0.6	21.9	1.2	23

TABLE XI(Ctd) - TEMPERATURE OF THE AIR AND EXCESS OVER TEMPERATURE OF EVAPORATION IN DEGREES CENTIGRADE AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

(To obtain temperatures on the absolute scale add 273)

A P R I L, 1941

Day / Hour	17		18		19		20		21		22		23		24		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	22.9	1.1	22.9	1.8	23.8	1.6	23.2	1.2	21.8	1.2	22.9	1.0	22.3	1.2	24.5	1.2	Midnight
1	22.9	0.9	22.5	1.6	23.8	1.7	23.1	1.1	21.6	1.1	23.3	1.2	22.0	1.1	24.2	1.1	1
2	22.6	0.9	22.0	1.6	23.1	1.7	22.7	1.3	21.1	1.1	22.7	0.8	21.7	1.5	24.1	1.6	2
3	23.1	0.8	22.1	1.5	22.8	1.5	23.2	0.9	21.3	1.1	22.1	1.1	21.6	1.5	24.1	1.4	3
4	22.9	0.9	22.0	1.4	22.8	1.7	23.1	1.0	21.1	1.1	22.2	1.1	21.3	1.3	24.0	1.1	4
5	23.4	0.6	21.9	1.7	22.9	1.7	22.4	1.1	20.8	1.1	22.1	1.0	21.1	1.2	24.2	1.9	5
6	23.9	0.9	21.1	1.1	23.0	1.8	22.3	0.6	21.7	1.2	23.6	1.6	21.0	1.2	24.3	2.2	6
7	24.2	1.1	23.0	1.9	23.2	1.6	22.6	0.6	22.8	1.4	23.1	1.0	22.0	1.3	24.1	1.2	7
8	25.9	1.9	25.2	2.9	25.7	2.8	24.0	0.5	24.0	1.0	25.3	2.0	24.0	1.4	25.0	2.0	8
9	26.9	2.8	25.8	3.3	26.3	3.3	25.8	2.0	25.0	1.1	27.0	3.0	26.7	2.8	26.6	2.9	9
10	26.9	2.8	27.1	4.3	26.8	3.6	25.8	1.8	26.5	1.5	27.3	3.3	28.2	2.9	27.3	3.3	10
11	27.2	3.1	27.1	4.3	27.3	3.9	27.2	2.6	27.2	2.3	28.1	2.6	29.0	3.0	27.6	2.9	11
Noon	28.0	4.1	27.8	5.1	28.1	4.2	27.6	3.4	27.3	2.0	28.5	2.6	29.1	3.0	28.0	2.9	Noon
13	28.0	4.0	27.7	4.0	27.1	3.6	28.0	3.0	28.0	1.9	28.3	2.5	29.8	3.0	27.9	3.1	13
14	27.7	4.8	27.9	4.8	27.8	4.1	28.0	3.6	27.7	1.9	28.9	2.9	29.2	4.1	27.9	2.6	14
15	27.2	3.4	27.3	4.3	27.3	4.3	28.9	4.0	26.5	2.5	28.6	3.0	28.1	3.5	29.1	3.4	15
16	27.0	3.6	27.0	4.0	27.0	3.9	28.1	4.0	26.1	1.6	28.0	3.9	27.7	3.6	28.3	4.1	16
17	26.0	2.3	26.3	3.4	26.1	3.2	27.1	3.4	26.0	1.7	27.1	3.1	27.0	2.9	27.0	3.3	17
18	25.1	2.0	24.1	1.1	25.0	2.3	25.6	2.3	25.0	1.9	25.7	2.5	25.6	2.2	25.8	2.5	18
19	24.8	2.0	23.7	1.4	24.3	1.8	24.7	1.8	24.9	1.1	24.8	1.8	24.9	1.9	25.0	2.0	19
20	24.3	1.4	23.9	1.7	24.1	1.6	24.1	1.7	24.6	1.7	24.0	1.7	25.0	2.1	24.1	1.4	20
21	24.0	1.3	23.2	1.2	24.0	1.5	23.6	1.6	23.9	1.6	23.9	1.8	25.0	1.9	23.9	1.3	21
22	23.9	1.8	23.7	1.1	23.9	1.0	23.0	1.3	23.1	1.1	23.6	1.6	24.3	1.2	24.0	1.2	22
23	23.5	1.6	23.7	1.4	23.7	0.9	22.3	1.2	23.2	1.1	23.2	1.4	24.3	1.2	24.0	1.0	23

Day / Hour	25		26		27		28		29		30		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.	
Midnight	23.4	1.1	23.0	0.9	23.7	1.0	24.3	1.3	24.5	0.6	25.1	1.0	23.6	1.2	Midnight
1	23.8	0.9	22.9	0.9	23.3	1.0	23.2	1.1	24.6	0.6	24.7	0.6	23.4	1.2	1
2	23.9	1.0	22.8	0.8	23.1	0.8	23.7	1.2	24.7	0.7	24.5	0.5	23.3	1.2	2
3	23.9	1.0	22.4	0.8	23.1	1.0	23.2	0.9	24.6	0.6	24.2	0.4	23.3	1.2	3
4	23.7	0.9	22.2	0.7	22.5	0.7	23.1	1.0	24.1	0.8	24.3	0.9	23.1	1.1	4
5	23.1	1.0	22.1	0.8	22.1	1.0	23.1	0.9	24.5	0.6	24.3	0.7	23.0	1.2	5
6	22.3	0.8	22.2	0.7	22.7	0.7	22.3	0.3	24.8	0.8	24.1	0.7	23.1	1.2	6
7	22.5	0.5	22.3	0.7	23.0	1.0	22.4	0.8	24.9	0.9	24.1	0.9	23.6	1.3	7
8	25.1	1.1	25.6	1.6	25.1	1.1	23.0	1.0	25.9	1.0	24.3	0.6	25.2	1.9	8
9	26.6	2.3	27.1	3.0	25.1	1.6	25.1	1.9	27.5	2.4	25.0	2.0	26.2	2.6	9
10	27.5	2.8	26.6	2.5	26.7	2.0	27.0	2.8	28.1	2.5	26.0	2.1	26.9	2.9	10
11	29.0	4.4	26.8	2.6	27.1	3.0	28.0	3.9	28.3	3.1	27.5	3.2	27.4	3.3	11
Noon	28.7	3.5	27.9	3.9	27.7	3.4	28.3	4.1	28.3	3.2	27.5	3.4	27.6	3.4	Noon
13	28.3	2.5	27.8	3.8	26.2	1.7	28.7	3.7	28.4	3.3	27.5	3.3	27.6	3.3	13
14	28.3	3.0	27.6	3.5	27.2	3.1	28.9	3.8	28.6	3.1	27.1	2.8	27.6	3.4	14
15	27.8	2.8	27.7	3.9	27.1	3.1	28.3	3.4	27.6	2.5	27.0	2.8	27.3	3.3	15
16	27.1	3.0	27.0	3.7	27.1	3.2	28.2	2.9	27.9	2.9	26.3	2.4	27.0	3.2	16
17	26.7	3.1	26.0	2.7	26.1	2.3	27.3	2.3	26.9	2.1	26.2	2.3	26.3	2.7	17
18	25.5	1.6	24.5	1.5	25.0	1.8	26.4	1.6	26.1	1.6	25.9	2.3	25.3	2.0	18
19	25.0	1.7	24.1	1.5	24.1	1.2	25.2	1.1	25.7	1.6	24.1	1.1	24.6	1.6	19
20	24.1	1.0	23.7	1.4	23.9	1.0	24.8	1.0	25.2	1.2	24.0	1.0	24.3	1.5	20
21	24.0	1.0	23.4	1.2	23.9	1.1	24.7	0.9	25.3	1.1	24.1	1.0	24.1	1.4	21
22	23.6	1.1	23.1	1.0	23.9	1.2	24.3	1.0	25.2	1.0	24.2	1.2	23.9	1.3	22
23	23.4	1.0	23.5	0.9	24.1	1.2	24.1	1.0	25.1	1.0	24.1	1.4	23.8	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 APRIL, 1941

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 *)

A P R I L, 1941

Hour \ Day	1 Dir.	1 Vel.	2 Dir.	2 Vel.	3 Dir.	3 Vel.	4 Dir.	4 Vel.	5 Dir.	5 Vel.	6 Dir.	6 Vel.	7 Dir.	7 Vel.	8 Dir.	8 Vel.	9 Dir.	9 Vel.	10 Dir.	10 Vel.	11 Dir.	11 Vel.	12 Dir.	12 Vel.	13* Dir.	13* Vel.	14 Dir.	14 Vel.	15 Dir.	15 Vel.	16 Dir.	16 Vel.
Mid-night	07	1.0	10	1.3	09	3.7	10	2.9	09	3.1	09	4.8	11	4.3	11	3.3	11	2.1	11	2.5	10	1.8	10	3.1	11	2.5	11	2.3	10	3.3	09	2.3
1	07	1.8	10	1.3	09	4.8	10	3.1	08	2.4	09	4.4	10	3.9	11	3.2	11	1.7	10	2.1	10	1.8	10	3.0	09	2.5	11	2.7	09	3.2	09	3.1
2	07	1.8	10	1.7	09	4.5	10	3.7	10	3.4	09	5.0	11	3.5	11	2.7	11	2.1	11	1.7	10	2.0	11	2.9	09	2.5	12	3.7	09	1.5	09	2.2
3	08	1.8	10	1.3	10	3.8	10	3.2	09	3.9	10	4.3	11	3.2	10	2.7	11	2.4	10	1.9	10	1.9	11	2.5	10	2.1	16	2.1	09	2.1	09	2.0
4	08	1.5	10	1.8	09	4.4	10	3.8	08	4.4	10	4.7	11	3.6	11	2.6	11	2.3	10	1.5	10	2.1	12	2.2	09	2.6	11	1.8	09	3.1	09	4.4
5	08	1.5	10	2.2	09	3.9	09	4.6	09	4.4	09	4.5	11	3.5	11	2.4	11	1.8	10	1.8	10	2.0	11	3.1	08	2.8	10	2.5	10	3.1	09	3.1
6	08	1.6	10	2.6	10	3.1	10	4.3	08	3.9	10	4.3	10	2.5	11	2.5	11	1.8	10	1.8	10	2.0	11	3.2	08	2.9	09	4.1	09	2.9	09	3.9
7	08	2.4	10	1.9	10	2.3	10	3.4	08	4.5	11	4.2	10	3.0	11	3.2	11	2.6	10	1.5	10	1.9	13	4.2	08	1.8	11	4.3	10	2.6	09	3.2
8	09	3.9	09	2.5	09	4.2	09	4.6	08	6.0	10	5.1	12	4.3	11	4.5	10	3.8	10	2.1	10	3.5	10	3.7	06	1.8	10	3.6	16	1.8	10	3.0
9	09	3.7	10	2.6	08	6.0	08	6.2	08	7.4	08	7.3	12	6.0	10	5.7	09	5.2	09	4.4	08	4.9	09	5.5	05	2.7	09	3.5	16	2.2	11	4.4
10	08	4.9	07	3.6	08	4.7	09	6.5	09	7.3	08	7.1	10	6.4	09	6.8	10	5.2	10	4.9	10	6.4	10	6.5	07	3.3	09	3.3	09	2.1	08	5.1
11	08	4.1	07	4.1	11	5.1	08	6.2	08	7.6	09	6.9	09	6.0	12	5.5	10	5.4	10	5.1	10	4.4	08	6.9	06	4.3	09	4.1	10	2.7	09	5.1
Noon	09	4.1	09	3.5	09	5.6	08	6.6	09	7.8	09	6.1	10	6.2	09	6.2	11	5.3	10	5.0	09	6.7	08	7.2	07	4.1	09	4.0	10	2.5	06	4.7
13	10	4.4	08	4.2	09	5.7	08	7.0	08	7.6	08	6.1	10	6.2	12	6.1	10	5.7	11	4.4	09	6.5	08	8.3	06	2.5	09	3.2	09	3.3	08	4.3
14	09	4.5	09	5.1	08	4.8	09	5.9	09	7.1	09	6.3	10	6.8	09	5.7	11	6.0	10	4.4	08	3.9	09	6.9	d14	1.9	09	3.8	07	2.2	09	4.4
15	08	4.4	08	4.8	09	5.4	10	6.2	09	7.5	08	4.9	10	5.8	08	4.8	10	5.5	10	4.9	09	7.4	10	6.6	09	1.3	10	3.9	08	3.1	11	4.3
16	07	4.1	08	4.7	11	5.1	09	5.9	08	6.4	11	4.4	12	6.6	09	4.9	11	4.6	10	5.1	09	5.5	11	5.0	07	2.0	09	4.1	09	2.6	09	4.4
17	09	3.5	09	3.2	10	4.9	10	5.3	09	6.2	09	5.0	10	4.8	09	5.6	09	4.7	09	4.2	10	5.0	09	5.1	09	1.8	09	4.7	09	3.7	09	3.5
18	09	2.5	10	3.7	10	4.0	10	3.9	09	4.7	10	3.6	10	4.4	10	4.4	11	2.5	10	2.2	09	4.6	08	4.5	10	1.8	10	4.5	09	4.3	11	1.7
19	10	1.8	10	2.6	07	3.7	09	4.4	10	4.1	10	4.0	11	3.5	10	3.5	10	2.3	10	1.8	10	2.9	08	4.2	10	1.8	09	4.1	08	2.2	10	2.0
20	10	1.8	10	2.7	09	4.1	10	4.0	10	4.7	11	3.7	12	3.2	10	3.2	10	2.2	10	1.8	10	2.6	09	4.6	10	1.5	08	4.9	08	2.3	10	1.3
21	10	1.6	09	3.5	12	3.5	09	5.2	11	4.1	09	4.0	10	4.9	11	3.8	11	2.2	10	2.4	11	4.4	08	4.6	10	1.5	10	4.9	07	2.3	11	1.1
22	10	1.5	09	4.1	10	4.3	09	5.0	11	4.1	11	4.1	12	3.9	10	2.5	11	2.7	10	1.8	10	4.0	09	3.6	10	1.8	08	4.2	07	1.8	13	0.6
23	10	1.9	11	3.4	10	3.9	09	5.2	10	4.4	11	4.9	10	3.4	11	3.0	11	2.1	10	2.1	10	3.4	09	2.4	10	2.2	10	4.4	09	2.4	13	0.8

Hour \ Day	17 Dir.	17 Vel.	18 Dir.	18 Vel.	19 Dir.	19 Vel.	20 Dir.	20 Vel.	21* Dir.	21* Vel.	22* Dir.	22* Vel.	23* Dir.	23* Vel.	24* Dir.	24* Vel.	25* Dir.	25* Vel.	26* Dir.	26* Vel.	27* Dir.	27* Vel.	28* Dir.	28* Vel.	29 Dir.	29 Vel.	30* Dir.	30* Vel.	Mean Velocity
Mid-night	12	1.5	11	1.7	10	3.2	10	1.2	14	0.7	13	1.5	14	1.6	14	0.7	12	0.6	10	1.1	10	1.3	09	3.0	07	1.8	06	2.5	2.2
1	12	1.8	11	1.5	10	2.9	10	1.2	14	1.1	13	1.7	14	1.0	14	1.1	12	1.1	09	1.4	10	1.4	08	2.4	07	1.5	d19	1.8	2.2
2	12	1.3	11	2.1	10	2.2	10	1.9	14	1.2	16	0.6	14	1.3	14	2.2	12	0.9	05	1.3	10	1.4	07	1.9	07	1.3	r09	2.5	2.2
3	08	1.1	11	2.1	10	2.2	11	1.4	14	1.4	16	1.1	14	1.2	14	1.3	12	0.8	10	1.5	10	1.1	07	1.3	07	1.6	10	1.8	2.0
4	09	1.1	11	1.8	10	2.0	13	1.5	14	1.0	16	2.2	14	1.8	14	1.1	12	1.1	11	1.9	10	1.1	07	1.4	07	1.8	09	2.5	2.3
5	11	3.2	11	1.7	11	2.1	13	1.0	14	1.1	15	1.3	14	0.8	15	1.4	12	1.2	11	1.7	10	1.4	07	1.1	06	1.5	09	3.8	2.4
6	10	3.1	11	1.0	10	2.2	13	1.3	14	1.3	16	3.2	14	1.6	16	1.9	12	1.2	11	2.0	10	1.6	07	3.2	06	1.7	09	2.5	2.5
7	10	3.8	11	1.2	11	3.0	13	1.1	14	1.1	14	0.9	16	1.4	16	0.7	12	1.4	10	1.3	10	1.8	07	1.8	07	2.3	08	2.3	2.4
8	10	4.1	11	3.6	10	3.6	13	0.6	11	1.4	13	2.2	16	1.1	16	1.1	12	1.5	10	1.4	10	2.3	09	4.6	09	2.2	09	2.8	3.0
9	08	4.9	09	6.0	10	6.0	15	1.8	11	0.6	14	2.6	16	0.8	15	2.0	12	2.2	06	2.0	07	2.8	09	4.4	06	2.7	07	3.9	4.0
10	08	5.7	11	4.5	11	3.7	13	2.1	d21	1.1	15	1.8	23	1.8	16	2.1	12	2.2	09	2.0	06	3.2	07	4.9	06	3.2	07	4.4	4.2
11	10	5.5	10	7.0	11	4.6	14	3.0	22	1.3	d27	1.3	26	2.2	d25	1.8	12	3.0	09	3.7	06	3.3	06	4.9	07	4.0	08	5.3	4.5
Noon,	10	6.2	11	5.9	11	4.1	09	3.0	23	2.2	24	1.5	25	2.3	25	0.8	12	2.1	07	4.6	06	3.7	05	5.5	06	3.6	07	5.7	4.6
13	10	6.8	10	5.3	11	4.8	15	2.0	28	2.2	31	1.3	25	1.9	25	1.8	d23	1.8	07	4.2	06	3.6	05	3.7	05	3.5	06	5.7	4.5
14	10	6.3	12	6.0	10	4.4	14	2.2	27	1.3	32	1.8	d03	1.9	29	2.2	29	1.1	08	4.4	08	4.3	04	3.7	06	3.9	08	4.5	4.3
15	11	6.5	09	5.3	11	5.3	14	3.0	r13	2.9	04	1.1	05	2.4	32	1.6	29	1.3	08	4.5	05	3.7	05	3.7	05	3.4	06	4.4	4.[illegible]
16	11	5.7	11	5.9	11	4.8	13	3.0	13	1.8	d14	2.4	07	1.5	d12	2.9	r11	2.4	10	4.7	08	3.6	05	3.1	06	3.6	06	4.6	4.2
17	11	6.1	10	5.4	11	3.5	14	2.5	13	1.6	15	1.9	07	1.4	13	2.5	10	2.7	10	4.9	08	3.0	05	2.6	07	3.9	07	4.0	3.9
18	11	2.3	09	5.0	10	2.3	14	1.7	13	2.5	19	1.6	12	1.8	13	1.4	10	1.8	10	2.7	08	1.9	04	1.4	07	2.9	06	3.1	3.0
19	11	3.1	11	4.1	10	1.7	14	1.8	13	1.3	19	1.4	12	2.2	13	0.8	10	1.5	10	2.4	08	2.7	04	1.7	07	3.3	09	3.8	2.7
20	10	3.7	11	4.5	11	2.1	14	2.1	13	2.1	19	1.4	14	2.4	13	0.7	10	2.4	10	2.3	09	2.1	07	1.8	08	2.7	09	3.1	2.7
21	11	3.2	11	4.0	11	1.9	14	1.2	13	1.9	15	2.2	14	1.8	12	1.1	10	2.2	09	2.4	09	2.3	07	1.6	08	2.4	10	3.5	2.9
22	10	2.7	07	2.7	10	1.8	14	1.0	13	1.1	14	2.2	14	1.6	12	1.0	10	1.1	09	2.0	09	2.4	07	1.8	07	2.6	09	4.1	2.6
23	10	2.3	09	2.9	10	0.7	14	0.7	13	1.7	14	2.3	14	1.0	12	0.6	10	1.6	09	1.9	10	2.7	07	1.7	10	2.2	09	3.6	2.5

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS) APRIL, 1941

Hour	Force 0-12 8 or above	4 to 7	10 to 3	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
3	-	-	30	..	..	..	..	7	12	6	3	3	..	..	..	..	..	..	..
9	-	9	21	..	..	1	2	15	3	4	1	4	..	..	..	..	..	..	..
15	-	7	23	1	..	5	1	11	6	4	1	..	..	..	..	..	..	..	..
21	-	-	30	..	..	..	..	9	7	11	2	1	..	..	..	..	..	1	..
Total	-	-	-	1	..	6	3	42	28	25	7	7	..	..	..	..	..	1	..

TABLE XIVA - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY FOR APRIL, 1941

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
	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	..	0.2	..	..	3.6	..	..	..	..	..	..	..	..	4.0	3.5	2.6	..	..	..	0.1	..	..	..	..	..	2.3	..	1.5	..	1.8
2	..	..	..	..	..	..	0.1	..	..	..	..	..	..	4.3	2.2	..	..	..	..	..	..	..	..	..	..	..	0.3	0.1	..	0.8
3	..	..	..	..	..	..	..	..	..	..	..	..	0.4	7.7	..	..	..	..	..	2.8	..	..	..	..	..	..	0.9	..	..	..
4	..	..	..	..	0.1	..	..	..	..	..	..	..	0.2	5.2	0.2	..	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..
5	..	..	..	..	..	..	..	..	..	..	..	..	1.0	5.0	0.8	..	2.1	..	..	..	..	..	..	..	..	..	..	0.2	..	..
6	..	..	..	..	..	..	..	..	..	..	..	2.4	5.8	6.0	..	0.3	..	..	..	..	..	..	..	..	..	..	..	4.9	..	..
7	..	..	..	..	..	..	..	..	..	..	..	..	..	1.3	5.0	..	..	0.1	..	..	..	..	..	..	..	..	..	0.2	..	..
8	..	..	..	0.4	..	..	..	..	..	..	..	..	0.3	1.0	25.4	..	..	..	..	0.1	0.1	..	..	..	..	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	2.8	..	1.5	2.5	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..
10	..	..	..	0.1	..	..	..	..	..	..	..	2.0	..	0.1	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	0.3	..	..	..	..	..	..	..	..	..	1.9	..	..	0.8	..	..	..	..	1.1	..	..	..	..	..	0.1	..	..	..	..
12	..	..	..	..	..	..	..	..	..	..	..	2.7	0.2	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	0.2	..	..	3.0	9.8	0.5	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	..	13.8	..	..	..	..	..	..	..	0.1	..	..	..	..	..	0.1	..	..	..
15	..	..	0.4	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	..	..	1.8	..	1.0	..	..	..	..	0.3	0.1	..	..	..	..	..	..	0.8	..	..	..	..	..	..	..	..	..
17	..	..	..	0.4	..	..	..	..	..	..	..	..	1.6	0.1	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	..	..	..	0.4	..	..	..	..	..	..	..	..	3.8	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	0.1	0.3	..	0.1	..	0.1	..	..	..	..	2.6	2.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.5
20	..	..	..	..	..	..	..	0.2	..	..	..	..	..	2.6	0.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1
21	..	..	..	..	..	0.6	..	0.6	..	..	..	..	0.3	1.6	7.3	..	0.5	0.2	..	..	..	..	..	..	..	..	..	..	..	..
22	..	..	..	0.2	..	..	..	0.3	..	..	..	..	1.3	13.2	7.0	..	..	..	0.1	..	..	..	0.2	..	..	..	..	..	0.2	..
23	..	..	..	0.2	..	1.0	..	..	..	..	..	..	0.3	..	1.8	..	0.1	..	..	..	..	..	..	..	..	..	..	..	0.1	..
24	..	..	..	1.2	..	1.4	..	..	..	..	..	..	1.4	14.9	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..

TABLE XIVB - RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS, FOR APRIL 1941

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
	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	..	1.4	..	..	0.9	0.2	..	..	..	..	..	..	7.9	2.3	0.8	..	..	..	..	0.1	..	..	..	..	0.7	..	..	..	..	0.1
2	..	..	..	0.1	1.0	0.3	0.6	..	0.8	..	..	..	2.9	1.1	0.7	0.2	..	..	..	0.6	..	..	..	..	0.1	..	..	1.3	..	0.2
3	..	..	..	0.3	0.1	..	0.1	..	..	0.3	..	0.2	3.4	5.3	15.9	..	..	..	..	..	..	..	..	..	0.2	..	..	0.9	..	0.1
4	..	..	..	0.2	1.5	0.7	0.1	..	..	..	..	..	0.2	6.3	14.0	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..
5	..	..	..	..	..	1.9	..	..	..	..	..	..	1.0	1.3	4.5	..	..	..	..	..	0.3	..	..	0.1	..	..	..	..	..	..
6	..	..	..	1.8	..	..	..	..	0.2	..	..	..	2.7	0.4	..	..	..	..	..	..	..	..	..	..	..	..	0.3	0.2	1.5	..
7	..	..	..	0.2	..	..	..	..	0.3	..	..	..	..	0.3	..	..	..	..	..	..	0.1	..	..	..	..	..	..	0.6	..	0.1
8	..	..	..	1.1	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1
9	..	..	..	..	..	..	..	..	..	..	..	6.9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	2.4	..	..	0.7	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..
11	..	..	..	1.1	0.1	1.2	..	..	..	..	..	2.7	..	..	1.5	..	..	..	0.2	1.0	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	1.1	..	..	..	..	0.2	3.6	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..
13	..	0.1	..	..	..	0.6	..	..	..	..	..	1.4	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	..	0.1	..	..	..	..	..	1.6	..	..	..	..	6.0	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..
15	..	..	3.3	..	..	..	..	5.9	..	..	..	..	1.5	..	0.2	..	..	..	..	..	..	..	..	..	..	..	3.8	..	..	..
16	..	..	0.2	..	..	0.1	..	0.1	..	..	..	..	..	0.3	0.9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	..	0.1	..	0.3	..	..	..	0.2	..	..	..	..	0.1	6.3	1.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3
18	..	..	..	0.3	..	..	..	0.2	..	..	..	..	6.7	13.3	1.7	..	0.2	0.5	..	..	..	..	..	0.3	..	..	..	..	0.2	..
19	..	..	..	0.5	..	4.6	..	0.6	0.2	..	..	..	10.5	4.1	0.2	0.3	..	0.1	..	..	..	..	..	..	..	..	..	..	..	0.6
20	..	..	5.9	1.6	..	..	..	0.6	..	..	0.1	..	0.2	4.5	0.1	1.5	0.8	1.4	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	..	..	..	..	..	..	..	..	..	1.8	5.4	0.1	1.7	0.9	0.4	0.3	..	..	..	..	0.3	..	..	..	..	..	1.4
22	..	..	..	2.9	..	..	..	..	..	..	..	..	21.7	3.6	..	0.5	0.3	..	0.8	..	..	..	0.2	0.1	..	..	..	..	..	0.2
23	..	..	..	0.6	..	0.1	..	..	..	..	..	..	8.4	14.7	..	..	..	0.4	..	..	0.5	..	..	..	..	..	..	..	0.1	..
24	..	..	..	0.7	..	0.3	..	..	..	..	..	..	7.2	1.3	..	..	..	..	..	..	..	..	..	0.4	..	..	..	..	0.1	..

TABLE XV - TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEM INDICATED ON THE CHART FOR APRIL, 1941

RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20	5.10	129.5	5.95	13
	St Antoine	50	12.59	319.8	5.47	13
	Bel Mont	50	15.46	392.7	6.01	8
	Poudre d'Or	20	19.60	497.8	5.88	8
	Mon Loisir (S.E.)	300	10.81	274.6	6.79	19
	Forbach	300	9.00	228.6	5.20	11
	Couroupa	...	10.44	265.1	6.91	6
	Labourdonnais	290	10.08	256.0	6.21	11
	Mapou Water Office	...	10.73	272.5	...	9
	Beau Sejour	300	11.42	290.1	7.34	17
	Mont Piton	650	10.25	260.4	7.37	11
	Mon Choix	700	8.73	221.7	6.74	14
	Antoinette	640	12.92	328.2	7.40	18
	Mon Songe	620	11.79	299.5	7.72	16
	Botanical Gardens	325	7.68	195.0	6.18	25
	The Observatory	179	9.08	230.5	5.12	24
	Solitude	175	...	...	4.11	..
	St Andre (Cour)	90	...	...	5.30	..
	La Nicoliere	...	13.10	332.7	12.08	20
	California	...	14.93	379.2	...	17
	Australia	...	13.78	350.0	...	15
2 & 3	Union Regnard (Flacq S.E.)	600	17.65	449.5	8.77	18
	Constance d'Arifat (L.G.)	100	14.42	366.3	7.69	19
	Rich Fund	600	15.96	405.4	9.64	25
	La Joffrette	...	19.17	486.9	...	18
	Belle Vue (Allendy)	...	16.56	420.6	9.30	20
4	Sans Souci	900	27.49	698.2	15.21	24
	Beau Champ (G.R.S.E)	20	...	...	7.53	..
	Olivia	400	...	...	7.53	..
	Trois Ilots	...	...	...	...	..
	Belle Rive	400	...	...	14.19	..
	Sebastopol	780	...	...	...	..
	Bonne Veine	400	18.50	469.9	15.09	21
5	Rose Belle	850	...	...	15.40	..
	New Grove	650	36.28	921.5	15.12	25
	Mon Tresor	...	35.0			
	Mon Desert (Carie)	75	18.45	468.6	6.77	20
	Ferney	20	28.55	725.2	9.90	21
	Sauveterre	...	16.16	410.5	...	16
	Tivoli	1300	29.04	737.6	15.08	25
	La Flora	1050	26.02	660.9	16.37	23
	Riche Bois (Brit.)	650	23.11	587.0	[illegible]	22
	Britannia (Estate	700	24.80	629.9	11.61	22
6	Savannah (Mill)	200	18.66	474.0	8.19	19
	St Aubin	300	17.09	434.1	9.00	18
	St Avold	900	25.55	649.0	12.84	23
	Colmar	400	24.12	612.6	10.42	20
	Union S.E.	...	23.15	588.0	8.55	15
	Fontenelle	320	21.09	535.7	9.29	17
	Choisy	200	16.72	424.7	6.70	15
	Beau Bois	...	31.24	793.5	...	23
	Bel Air	...	...	...	...	..
	St Felix	...	17.95	445.9	...	[illegible]
7, 8, 9 & 10	Bel Ombre	40	19.48	494.8	6.61	18
	Beau Champ (B. du Cap)	70	19.46	494.3	7.65	17
	Frederica	..	21.36	542.5	[illegible]	18
	Pierre Fonds	..	7.50	190.5	[illegible]	12
	Ste Marie	...	19.63	498.6	...	18
	Hussonia	...	...	...	...	..
11	Curepipe Gardens	1840	19.04	483.7	[illegible]	23
	Mare aux Vacoas (G.E.)	1850	21.57	547.9	[illegible]	27
	Mare aux Vacoas (Arnaud)	1830	26.42	671.1	14.93	28
	La Marie Filter Beds	1700	16.32	414.5	9.55	22
	Sophie	...	...	...	...	..
	Reunion	1420	12.61	320.3	7.85	17
	Aerological Station	1393	11.47	291.3	10.30	28
	Phoenix	...	11.75	298.5	...	11
	Quatre Bornes	...	8.09	205.5	...	12
12	Quatre Bornes (Board)	1090	7.60	193.0	...	7
	Le Reduit (D. of A)	1000	10.13	257.3	4.85	30
	Alma	1460	17.84	453.1	12.95	21
	Bagatelle	1250	16.08	408.4	7.33	15
	Highlands	1300	14.91	378.7	8.64	14
	Trianon	1950	10.58	268.7	5.70	12
	Val Ory	1100	...	...	5.80	
	Bassin	...	7.45	[illegible]	7.30	11
	Hermitage	1450	12.94	328.7	13.25	14
	Ebene	...	12.67	321.8	...	16
	Bega	...	9.40	238.8	...	15
	Mon Reve	...	13.73	348.7	...	16
	Mont Pevril	...	11.41	289.8	...	16
	Minissy	1150	14.35	364.5	5.30	16
	Plaisance	...	18.96	481.6	...	18
	La Ferme	350	5.66	143.8	4.75	10
13	Line Barracks	...	6.11	155.2	...	16
13	Richelieu Tobacco Res. Stn.	...	5.76	146.3	...	9

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE AEROLOGICAL STATION, VACOAS, 424.5 METRES ABOVE SEA LEVEL, DURING THE MONTH OF APRIL, 1941

Day \ Type	Time	St & Fs		Cumulus Cu. St & c		Alto. Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	St & Fs		Cumulus Cu.St. & C.		Alto. Cu. Alto. St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height		Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height
		0		0		0		0		0		0			0		0		0		0		0		0	
1	11	...	...	90	10.5	...	...	...	...	...	...	...	...	15	...	...	79	8.2	...	...	...	...	...	...	...	...
2	9½	...	...	98	5.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	10½	...	...	90	7.3	...	...	...	...	...	...	...	...	15	...	...	87	6.6	...	...	...	...	...	...	...	...
4	10	...	...	105	13.2	...	...	...	...	...	...	...	...	15	...	...	98	11.5	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	15.	...	...	...	...	...	...	...	...	...	...	...	...
6	10½	...	...	105	11.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	10¼	...	...	135	6.9	...	...	...	...	...	...	...	...	15	...	...	105	7.4	...	...	...	...	...	...	...	...
8	9¼	...	...	120	12.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	10	...	...	105	11.0	...	...	...	...	...	...	...	...	15	...	...	118	7.3	...	...	...	...	...	...	...	...
10	10	...	...	105	7.8	...	...	...	...	...	...	...	...	15	...	...	109	10.0	...	...	...	...	...	...	...	...
11	9¾	...	...	115	9.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	10½	...	...	90	9.2	...	...	...	...	...	...	...	...	15	...	...	78	7.6	...	...	...	...	...	...	...	...
17	9½	...	...	90	9.9	...	...	...	...	...	...	...	...	15	...	...	102	16.1	...	...	...	...	...	...	...	...
18	9½	...	...	120	10.3	...	...	...	...	...	...	...	...	15	...	...	120	13.5	...	...	...	...	...	...	...	...
19	9½	...	...	110	7.5	...	...	...	...	...	...	...	...	15	...	...	118	9.5	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	60	3.2	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	60	7.2	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	65	7.7	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

NEW SERIES (MONTHLY) VOL. XXVII PART 5

MAURITIUS

ROYAL ALFRED OBSERVATORY

LATITUDE 20°5' 39"S., - LONGITUDE 3h 50m 12.6"

RESULTS OF MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

MAY, 1941

N.R. Mc CURDY, B.Sc. F.R. MET. SOC.

DIRECTOR

PUBLISHED IN 1965 BY

E.G.DAVY, O.B.E., B.Sc., F.S.S.

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TABLE I - RESULTS OF MAGNETICAL OBSERVATIONS MADE DURING THE MONTH OF M. A Y, 1941

Month and Day 1941	Mean Declination (West)	Mean Horizontal Force (C.G.S.) Units	Mean Vertical Force (C.G.S.) Units	Daily Range + Declination	Daily Range + Horizontal Force (Unit γ)	Daily Range + Vertical Force (Unit γ)	HRh : 10000	ZRz : 10000
MAY								
1	14°08.7'	.22398		6.7	45		101	
2	08.6	397		5.0	39		87	
3	08.3	405		6.2	37		83	
4	08.34	408		7.0	68		152	
5	08.3	411		5.3	44		98	
6	08.1	415		5.0	65		146	
7	08.6	408		3.7	17		38	
8	08.8	415		5.0	67		150	
9	08.5	405		4.5	40		90	
10	08.7	419		4.2	35		78	
11	08.6	419		3.0	50		112	
12	08.9	426		5.0	46		103	
13	09.2	418		3.0	57		128	
14	09.0	413		2.7	37		83	
15	08.6	422		4.5	37		83	
16	09.0	409		6.3	38		85	
17	09.2	389		3.5	69		154	
18	09.3	396		5.5	27		60	
19	09.1	399		8.0	27		60	
20	09.6	405		7.0	17		38	
21	09.4	405		5.6	47		105	
22	08.9	387		3.8	47		105	
23	09.3	391		1.8	40		90	
24	08.5	384		5.5	57		128	
25	09.4	391		4.0	63		141	
26	08.9	400		2.8	41		92	
27	09.3	409		3.0	35		78	
28	09.3	408		2.7	38		85	
29	08.7	404		4.2	20		45	
30	09.0	410		4.7	27		60	
31	09.4	408		5.3	42		94	
Mean	14°08.89	.22406		4.66	42.5		95.2	

Registration stopped owing to shortage of photo paper

T = ... Mean Dip = ... X = .21726 : Y = -.05464 : Z = ...

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

Description of the Principal Magnetic Disturbances

Horizontal Force : The month was on the whole remarkably quiet. 4th sudden commencement at 7h of a short-lived disturbance of moderate character. The disturbed trace becomes quiet after 16h. Absolute range 67 γ . 6th Slightly disturbed. 8th very slightly disturbed Small bay at 13h 40m. 9th and 10th very slightly disturbed. 16th Very Slightly disturbed. 17th slighily disturbed. Minor oscillations on trace at times. 21st moderately disturbed during last hours. Rapid pulsations mainly. 22nd moderately disturbed with irregular features mainly. 23rd sharp bay (50 γ) between 0h and 1h. Very moderately disturbed during second half. 24th à 25th moderately disturbed. 26th slightly disturbed in parts. 30th slightly disturbed during last hours. Small pulsations mainly. 31st slightly disturbed in parts.

TABLE II - RESULTS OF ABSOLUTE DETERMINATIONS OF THE MAGNETIC ELEMENTS DURING THE MONTH OF MAY, 1941

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
2. 15 20	14° 06.2'	1. 10. 39	.22398	2. 15. 28	53° 10.18'	.29901
9 14 28	14 06 5	3 9 40	.22413	9 14 40	53 09 37	
16. 14 41	14 06 8	7 9 35	.22419	16 14 50	53 08 62	
23 13 53	14 09 3	14 9 47	.22429	23 14 03	53 11 12	
30 15 17	14 06 3	17 9 47	.22388	30 15 25	53 08 06	
		22 9 32	.22401			
		28 12 11	.22420			

TABLE III - MAGNETIC DECLINATION (WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

M A Y, 1941

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
								13° +									
Midnight	680	690	685	687	690	685	685	690	700	693	685	687	683	690	687	685	Midnight
1	680	700	690	680	690	685	690	685	705	690	685	685	687	690	685	685	1
2	677	687	690	680	677	685	690	687	700	695	685	690	692	687	687	687	2
3	680	683	683	690	680	683	690	690	695	693	687	693	700	690	690	685	3
4	680	680	680	680	680	683	687	690	690	680	685	695	697	693	683	685	4
5	685	683	687	680	675	680	690	690	690	665	675	690	700	695	685	670	5
6	685	680	683	690	675	680	685	685	690	675	685	690	697	693	690	685	6
7	680	670	680	675	675	677	680	685	680	680	680	687	680	685	675	68	7
8	695	675	695	695	687	695	695	695	687	693	695	685	680	690	683	697	8
9	720	695	700	705	705	705	695	710	685	705	705	705	695	697	695	715	9
10	727	710	705	720	710	700	700	715	690	707	703	710	705	700	705	720	10
11	720	710	697	680	700	680	695	705	675	697	690	700	700	693	700	707	11
Noon	695	690	680	675	687	663	693	695	670	690	675	680	693	680	675	687	Noon
13	675	670	660	670	675	655	675	673	667	685	675	670	695	677	665	680	13
14	670	663	643	650	665	657	670	667	670	670	675	660	680	680	667	675	14
15	660	660	643	663	657	655	663	665	660	670	675	665	675	673	660	663	15
16	660	665	655	660	660	665	665	665	665	670	677	675	685	680	670	657	16
17	670	680	670	670	667	670	675	670	675	680	685	685	690	683	685	683	17
18	690	695	683	690	680	683	685	683	690	695	695	695	690	695	697	700	18
19	690	695	693	693	690	685	690	690	690	693	697	700	700	700	700	705	19
20	695	695	695	695	695	690	690	693	693	690	695	700	697	700	700	700	20
21	690	700	695	695	695	693	690	693	695	695	693	695	695	700	700	707	21
22	695	695	693	700	695	695	693	690	695	693	690	695	690	695	697	700	22
23	693	690	695	695	693	697	693	695	695	690	687	693	690	693	695	700	23

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Hour \ Day
Midnight	693	700	700	695	692	695	700	695	703	700	695	690	695	695	700	Midnight
1	690	700	700	695	690	697	690	700	700	695	695	693	690	690	695	1
2	685	683	680	695	685	690	695	683	697	670	690	693	680	680	693	2
3	683	690	680	693	690	695	690	670	695	690	680	690	680	690	695	3
4	690	685	690	690	687	703	692	680	680	695	690	685	686	690	695	4
5	690	690	690	687	675	675	680	685	687	693	687	687	687	685	700	5
6	690	687	690	685	685	670	675	675	675	675	690	683	690	685	670	6
7	687	690	680	683	683	640	670	665	670	667	680	675	683	685	670	7
8	700	695	700	700	700	650	680	667	680	675	680	680	680	695	683	8
9	705	715	720	725	715	680	693	655	690	690	690	693	680	705	700	9
10	695	720	730	735	723	707	703	677	705	700	700	700	685	707	710	10
11	705	715	710	735	710	713	700	687	710	695	710	695	687	700	700	11
Noon	695	700	700	717	700	697	697	680	700	675	705	697	680	683	695	Noon
13	690	685	675	690	690	690	695	675	700	677	70[illegible]	693	670	675	685	13
14	670	675	650	675	675	680	693	667	680	680	690	693	667	660	675	14
15	675	665	650	665	667	675	687	660	675	677	680	685	665	660	670	15
16	675	670	667	670	667	685	685	675	680	683	683	680	673	670	677	16
17	680	680	680	680	683	687	695	685	700	690	690	690	693	690	695	17
18	700	695	693	693	695	703	700	703	700	700	697	703	700	703	705	18
19	700	697	697	697	700	703	702	707	705	707	700	705	707	705	707	19
20	703	700	700	700	703	702	705	710	710	703	703	705	707	703	707	20
21	705	700	700	700	705	705	700	707	710	710	700	707	705	703	707	21
22	705	700	700	697	710	700	703	715	710	700	700	705	703	703	705	22
23	700	700	700	697	703	700	700	705	700	700	695	700	700	700	723	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)

M A Y, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day \ Hour
Midnight	397	376	385	393	388	410	407	403	390	410	410	410	415	402	411	409	Midnight
1	397	390	390	403	399	415	409	412	392	413	415	411	416	403	410	412	1
2	397	390	390	403	399	415	409	412	392	413	415	411	416	403	410	413	2
3	399	391	397	403	400	415	409	412	401	412	413	411	410	404	413	413	3
4	401	396	408	403	401	415	410	413	405	418	415	411	413	408	425	410	4
5	402	398	411	407	403	415	409	416	412	425	419	413	412	411	425	423	5
6	403	401	412	409	405	420	411	420	417	423	420	417	412	415	423	420	6
7	409	407	416	412	409	426	413	422	410	430	425	420	419	422	427	420	7
8	408	413	413	440	414	429	409	423	415	432	431	429	422	430	433	420	8
9	407	415	411	452	420	433	413	423	425	436	433	433	432	432	440	422	9
10	405	413	415	437	423	440	415	421	423	437	439	442	443	433	440	421	10
11	408	410	422	435	432	445	415	425	412	438	450	455	449	433	447	419	11
Noon	412	413	427	430	430	450	408	432	411	438	451	456	452	432	441	420	Noon
13	407	407	422	432	417	435	408	427	405	433	440	449	445	425	437	419	13
14	402	400	413	425	420	429	411	420	397	430	422	442	443	416	429	415	14
15	396	392	407	390	413	415	401	405	396	415	410	437	427	405	420	407	15
16	402	390	400	393	408	385	398	399	387	407	402	428	410	396	413	392	16
17	401	389	395	389	409	388	401	405	385	403	401	423	402	398	413	395	17
18	400	389	398	395	413	395	405	413	395	405	406	425	403	405	415	393	18
19	395	384	400	394	409	397	405	420	403	403	406	423	403	407	415	385	19
20	390	386	400	395	408	400	406	420	405	404	405	425	403	407	413	389	20
21	377	384	393	387	410	397	404	412	412	405	406	420	403	405	412	401	21
22	370	388	390	384	412	395	403	411	413	404	405	419	395	411	413	404	22
23	367	390	391	389	412	393	405	406	415	412	407	419	400	411	410	405	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Day \ Hour
Midnight	405	380	400	396	408	402	375	393	387	376	395	403	393	394	405	398	Midnight
1	406	383	390	396	409	390	405	389	400	380	397	401	397	395	410	400	1
2	405	399	392	398	413	403	395	390	397	403	400	402	405	399	411	400	2
3	407	393	400	399	413	406	395	410	396	400	413	403	412	398	411	405	3
4	410	390	395	400	413	396	396	403	400	394	408	408	413	399	409	403	4
5	415	393	390	402	414	400	400	407	397	406	412	413	410	407	408	409	5
6	419	393	386	403	419	409	405	410	390	402	405	412	410	413	428	405	6
7	419	399	393	408	416	410	403	403	402	406	410	420	410	415	423	414	7
8	419	390	400	413	423	406	407	405	403	407	412	423	413	412	413	416	8
9	410	398	405	406	432	403	403	402	400	409	420	428	408	412	417	419	9
10	399	401	402	403	420	400	403	392	410	410	423	427	412	413	411	418	10
11	390	407	407	409	403	393	405	380	423	407	428	427	412	413	407	419	11
Noon	387	406	412	410	404	390	410	368	425	415	425	423	397	416	406	420	Noon
13	375	405	411	403	400	373	390	360	403	417	425	417	402	421	407	414	13
14	370	401	413	403	392	365	383	385	402	415	423	415	405	420	413	410	14
15	363	397	402	402	393	373	363	380	397	405	416	410	401	410	417	403	15
16	358	392	392	402	391	363	385	363	389	387	409	393	398	411	413	395	16
17	355	393	393	405	397	367	370	353	376	393	402	396	400	413	411	394	17
18	350	395	399	406	399	365	383	365	370	397	403	402	403	421	403	397	18
19	366	395	398	406	405	375	360	366	370	396	403	402	405	414	390	397	19
20	382	394	398	407	400	372	373	362	367	400	405	393	398	412	393	397	20
21	384	395	397	410	392	382	375	363	362	394	400	391	393	413	393	396	21
22	383	396	396	409	389	385	375	365	362	390	393	390	394	405	386	395	22
23	378	390	395	410	385	380	385	377	372	391	397	395	396	407	402	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

M A Y, 1941

Day / Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day / Hour
	Registration stopped owing to shortage of photo paper																

Day / Hour	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		Day / Hour
	Registration stopped owing to shortage of photo paper																

TABLE VI - RESULTS OF METEOROLOGICAL OBSERVATIONS MADE AT THE AEROLOGICAL STATION VACOAS (424.5 metres above mean sea level) DURING THE MONTH OF MAY, 1941

Month and Day 1941	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)	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
MAY	mbs	°C	°C	°C	%	mbs	o	m.p.s		°C	°C	°C	°C	°C	°C	°C	mms	mins	hrs	%
1	967.9	22.6	1.3	20.6	89	24.2	50	4.4	10	21.7	22.2	23.9	21.6	25.0	21.4	3.6	0.3	20		
2	968.4	24.6	3.1	19.9	75	23.2	65	0.9	6	20.7	23.7	24.5	20.8	26.8	20.3	6.5	9.1	110		
3	969.9	23.5	3.0	18.8	75	21.7	90	5.7	4	19.9	22.5	23.5	20.7	24.9	19.7	5.2	0.3	10		
4	969.6	23.4	2.2	20.0	81	23.4	70	3.9	6	20.0	22.9	23.0	20.6	24.8	19.8	5.0	0.4	25		
5	969.2	21.9	1.1	20.2	90	23.7	80	2.1	8	20.0	21.6	22.9	20.1	24.7	20.0	4.7	3.2	185		
6	967.8	22.9	3.1	18.0	74	20.6	90	6.4	8	19.5	22.6	22.6	19.8	24.2	18.0	6.2	...	...		
7	966.6	20.1	0.7	19.0	94	22.0	100	5.0	10	18.8	19.6	22.5	19.7	23.3	18.8	4.5	2.4	250		
8	967.7	21.3	1.1	19.6	90	22.8	125	5.4	5	19.5	21.1	21.2	16.9	22.5	18.1	4.4	0.8	115		
9	968.4	19.6	1.8	16.7	84	19.0	90	3.5	7	16.3	19.5	21.4	17.3	23.0	16.2	6.8	0.3	15		
10	967.1	22.7	3.0	18.0	75	20.6	60	0.3	3	17.2	21.8	23.3	18.2	25.0	17.2	7.8	0.2	10		
11	965.4	24.1	3.3	18.9	73	21.8	CALM		2	17.4	22.1	24.7	18.1	25.9	15.8	10.1	...	...		
12	966.7	21.7	3.0	18.0	76	20.6	180	3.3	3	17.6	20.7	23.8	19.7	25.2	17.5	7.7	1.4	95		
13	969.5	20.1	2.9	15.2	74	17.3	130	7.5	7	17.5	19.6	20.6	17.5	22.0	17.1	4.9	0.2	10		
14	970.3	19.9	3.7	13.5	67	15.5	125	4.9	10	17.3	19.8	19.7	17.7	21.7	16.5	5.2	0.8	30		
15	970.0	21.3	4.4	13.8	63	15.8	105	5.0	6	17.0	21.0	21.8	18.0	23.1	16.3	6.8	...	..		
16	969.9	20.6	2.3	16.8	79	19.1	55	1.5	10	16.6	20.2	21.9	17.8	23.3	16.0	7.3	0.7	15		
17	969.9	20.4	1.5	18.0	86	20.6	60	4.9	10	18.1	19.2	22.0	19.3	23.3	18.1	5.2	1.4	115		
18	969.1	22.7	2.7	18.4	77	21.2	70	5.0	2	18.8	20.7	22.8	19.2	24.2	18.6	5.6	2.9	40		
19	967.7	22.8	3.7	16.9	69	19.2	CALM		2	18.3	21.0	24.3	19.6	26.4	17.4	9.2	...	..		
20	968.4	19.8	1.6	17.2	85	19.6	90	0.3	9	18.7	19.2	21.8	18.4	22.4	17.7	4.7	0.2	5		
21	968.9	21.6	4.0	14.9	66	16.9	100	2.0	4	17.4	21.2	21.6	17.4	23.4	16.0	7.4	0.2	10		
22	969.7	21.0	3.3	15.5	71	17.6	115	1.5	7	15.5	19.9	21.7	16.8	23.0	15.5	7.5	...	..		
23	970.1	20.8	3.3	15.3	71	17.4	90	1.9	7	14.5	20.5	20.7	16.7	23.0	14.0	9.0	...	..		
24	970.6	20.6	3.9	13.9	66	15.9	90	1.9	7	14.3	19.7	21.7	18.7	23.7	14.0	9.7	...	..		
25	972.7	21.6	2.7	17.2	76	19.6	105	3.3	6	16.1	20.9	22.2	18.5	24.0	15.6	8.4	1.2	75		
26	974.6	19.5	2.9	14.6	74	16.6	85	3.4	10	16.4	19.0	20.4	19.4	21.8	16.2	5.6	...	..		
27	974.5	21.2	2.8	16.6	75	18.9	90	5.0	8	19.3	21.0	22.3	19.7	23.9	19.0	4.9	...	..		
28	974.4	20.9	2.6	16.6	77	18.9	90	4.4	10	17.8	20.7	20.1	17.9	23.0	17.6	5.4	2.0	105		
29	973.9	21.2	2.5	17.1	78	19.5	90	3.9	7	17.7	19.9	21.7	18.8	23.3	17.2	6.1	0.7	45		
30	973.2	19.4	0.6	18.4	94	21.2	95	4.4	9	18.4	19.0	21.1	18.4	22.7	18.3	4.4	7.4	235		
31	972.8	21.6	3.5	15.9	70	18.1	90	4.8	3	17.9	19.9	21.0	17.8	22.7	16.0	6.7	0.1	5		
Mean	972.1	21.5	2.6	17.2	77.2	19.8	...	3.4	6.7	17.9	20.7	22.2	18.7	23.7	17.4	6.3	36.2	1525	...	...
Average	969.2	21.6	2.1	18.2	81.0	20.9	...	4.2	5.5	...	...	...	...	23.6	17.5	6.1	189.0	...	...	...
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Sunshine cards out of stock

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

Atmospheric Pressure	+ 38.5 mbs	Amount of Rain	- 26.5 mms
Temperature of the Air	+ 0.7°C	Duration of Sunshine	-
Vapour Pressure	+ 0.3 mbs	Mean of Maximum Temperatures	+ 2.3°C
Relative Humidity	- 2.2 %	Mean of Minimum Temperatures	+ 1.4°C
Velocity of Wind	- 0.38 m.p.s.	Absolute Maximum Temperatures	+ 1.4°C
Amount of Cloud	- 2.6	Absolute Minimum Temperatures	+ 0.7°C

Greatest Rainfall Intensity 4.4 mms in 15 mins.

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF MAY, 1941

Month and Day 1941	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 Dines Pluviograph	Duration		
MAY	mbs	mbs	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs	°C	mms	min	mms	
1	1007.9	- 0.8	26.9	23.0	3.9	24.8	+ 1.5	1.8	22.1	+ 2.2	85	+ 4	26.6	20.8	4.0	60	4.1	8.0
2	1009.2	+ 0.4	28.2	22.2	6.0	24.7	+ 1.5	2.1	21.6	+ 1.8	83	+ 2	25.8	2[illegible].3	0.1	10	4.0	3.1
3	1011.0	+ 2.1	27.2	21.8	5.4	24.2	+ 1.0	2.3	20.6	+ 0.8	80	- 1	24.2	18.0	0.3	30	4.7	2.4
4	1010.4	+ 1.4	27.2	21.3	5.9	23.8	+ 0.7	2.2	20.4	+ 0.7	81	0	24.0	16.7	0.4	20	4.3	3.2
5	1009.5	+ 0.5	27.2	20.9	6.3	23.6	+ 0.6	2.5	19.6	0.0	78	- 3	22.8	16.4	1.0	90	3.3	3.3
6	1008.2	- 0.9	26.6	19.3	7.3	22.5	- 0.4	3.1	17.5	- 1.8	73	- 7	20.0	14.5	0.0	..	5.0	4.9
7	1007.3	- 1.9	25.6	18.5	7.1	21.8	- 1.0	2.0	18.7	- 0.5	83	+ 3	21.6	13.9	0.8	30	2.5	6.7
8	1008.6	- 0.7	25.3	19.1	6.2	22.1	- 0.6	3.1	17.1	- 2.0	73	- 7	19.5	14.6	0.0	..	2.9	2.6
9	1008.7	- 0.6	25.3	18.0	7.3	21.4	- 1.2	3.1	16.3	- 2.7	73	- 7	18.5	11.9	0.0	..	4.6	2.7
10	1006.5	- 2.9	26.6	19.0	7.6	22.3	- 0.2	2.4	18.5	- 0.4	79	- 1	21.3	13.4	0.0	..	4.7	2.9
11	1005.4	- 4.1	27.1	18.3	8.8	22.6	+ 0.2	2.1	19.4	+ 0.6	82	+ 2	22.5	13.3	0.0	..	3.9	1.7
12	1007.2	- 2.4	27.9	19.3	3.6	23.5	+ 1.1	3.3	18.2	- 0.6	72	- 8	20.9	14.0	0.0	..	4.9	3.9
13	1010.8	+ 1.1	25.1	18.6	6.5	21.6	- 0.7	3.5	15.9	- 2.8	70	- 10	18.1	13.5	0.1	10	5.6	5.6
14	1011.3	+ 1.6	24.1	19.1	5.0	21.1	- 1.2	3.2	15.8	- 2.9	72	- 8	17.9	13.5	0.2	30	4.6	8.1
15	1010.6	+ 0.8	25.6	18.9	6.7	21.6	- 0.6	3.6	15.6	- 3.0	69	- 11	17.7	13.8	0.0	..	4.3	6.0
16	1010.7	+ 0.8	26.0	16.3	9.7	20.5	- 1.7	2.6	16.2	- 2.4	76	- 4	18.4	10.0	0.0	..	4.0	3.4
17	1010.4	+ 0.3	25.9	18.2	7.7	21.9	- 0.2	2.2	18.4	- 0.1	81	+ 1	21.2	12.7	0.3	20	4.1	4.2
18	1009.3	- 0.8	26.4	20.3	6.1	22.7	+ 0.7	2.4	18.9	+ 0.5	79	- 1	21.8	16.0	0.0	..	3.8	2.7
19	1007.8	- 2.4	27.4	18.1	9.3	22.4	+ 0.4	2.4	18.6	+ 0.2	79	- 1	21.4	13.9	0.0	..	4.0	2.4
20	1008.7	- 1.6	25.0	19.1	5.9	21.9	0.0	2.8	17.4	- 1.0	76	- 4	19.9	13.0	0.2	20	4.2	4.1
21	1009.7	- 0.7	25.7	18.0	7.7	21.7	- 0.2	4.1	14.8	+ 3.6	65	- 15	16.8	14.2	0.0	..	3.7	3.9
22	1010.7	+ 0.3	25.3	15.9	9.4	20.4	- 1.4	3.2	15.1	- 3.2	72	- 8	17.2	12.9	0.0	..	3.5	3.5
23	1011.4	+ 0.9	25.6	15.3	10.3	19.8	- 2.0	3.2	14.4	- 3.9	71	- 9	1[illegible]	12.8	0.0	..	4.1	2.6
24	1011.5	+ 1.0	26.1	14.7	11.4	20.2	- 1.5	3.5	14.2	- 4.0	68	- 12	16.2	13.0	0.0	..	3.9	1.0
25	1013.5	+ 2.9	26.1	14.7	11.4	21.2	- 0.5	2.8	16.6	- 1.6	75	- 5	18.9	14.0	0.0	..	4.2	3.5
26	1016.2	+ 5.6	24.8	18.0	6.8	22.0	+ 0.4	4.5	14.4	- 3.5	62	- 18	16.4	15.8	0.0	..	4.4	7.4
27	1015.9	+ 5.2	26.0	21.3	4.7	23.4	+ 1.8	4.4	16.2	- 1.7	64	- 16	18.4	20.6	0.0	..	4.1	5.7
28	1016.1	+ 5.4	25.2	20.0	5.2	22.0	+ 0.5	2.8	17.5	- 0.3	76	- 4	20.0	18.5	0.1	10	4.3	6.2
29	1015.0	+ 4.2	25.9	19.0	6.9	22.0	+ 0.5	3.0	17.2	- 0.6	74	- 6	19.6	16.8	0.6	30	3.1	3.0
30	1014.7	+ 3.8	25.2	19.7	5.5	22.0	+ 0.6	2.0	18.9	+ 1.2	83	+ 3	21.8	18.5	1.6	70	3.9	6.5
31	1014.7	+ 3.8	25.3	18.2	7.1	21.9	+ 0.5	3.2	16.7	- 1.0	72	- 8	19.0	16.0	0.0	..	3.4	1.1
Mean	1010.6	+ 0.7	26.0	18.8	7.2	22.2	0.0	2.9	17.5	- 1.1	75.0	- 5.1	20.1	15.1	Sum 9.7	Sum 430	4.1	4.1
Average	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
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

General Weather Conditions during the month of May, 1941

The weather was anticyclonic at the beginning and the end of the month whilst an extra-tropical depression passed to the south of Mauritius during the 11th giving a period of clear and calm weather. Another temporary break on the 24th and 25th also produced calm and clear conditions which gave very low night temperatures for the season.

Rainfall was very scarce throughout the month. Royal Alfred Observatory recorded only 10% of the normal fall and in spite of some periods of markedly anticyclonic conditions Vacoas had only 20% of the average amount of rain.

TABLE VII (Cont'd) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF MAY, 1941

Month and Day 1941	Duration of Bright Sunshine	Percentage of possible sunshine	Observed Wind Velocity: Mean	Observed Wind Velocity: Excess above Average	Temperature of the Soil: 10 Feet	Temperature of the Soil: 5 Feet	Temperature of the Soil: 2 Feet	Temperature of the Soil: 12 Inches	WEATHER 0h	3h	6h	9h	12h	15h	18h	21h	24h
MAY	hrs	%	m.p.s	m.p.s.	°C	°C	°C	°C									
1	3.2	28	3.4	+ 0.1	25.6	26.8	27.2	27.6	ol		o	o	o	c	bcro	bc	bcro
2	10.6	94	2.9	- 0.4	25.5	26.8	27.2	27.2		b		bc			b		bro
3	10.7	95	3.5	+ 0.2	25.5	26.7	27.2	27.2	bro				b				bro
4	10.3	91	3.1	- 0.2	25.6	26.7	27.1	27.1	b		bc	bcro	bc			b	
5	6.8	60	3.6	+ 0.5	25.6	26.8	27.1	26.9	b		bcro		bc			b	
6	8.7	77	2.7	- 0.6	25.2	26.7	27.0	26.6		bo		bc		c			bc
7	3.3	29	2.1	- 1.2	25.5	26.8	26.5	26.5	b		bc	c	oro		c	bc	bcro
8	8.8	79	3.5	+ 0.2	25.3	26.7	26.6	25.9	b		bc	b		bc		b	
9	10.0	89	3.2	- 0.1	25.6	26.8	26.6	25.7		b			bc			b	
10	8.5	76	2.1	- 1.2	25.4	26.7	26.3	25.5	bc		b		bc			b	
11	10.6	95	1.9	- 1.4	25.4	26.7	26.2	25.6		b		bo		b	bc		b
12	10.5	94	2.8	- 0.5	25.5	26.7	26.1	25.7	bc		b		bc		b	bc	c
13	7.1	63	3.1	- 0.2	25.4	26.7	26.1	25.6	bc		bcro				bc		
14	4.2	38	3.5	+ 0.2	25.4	26.6	26.2	25.5		bc		c					
15	9.0	81	3.3	0.0	25.4	26.6	26.0	25.2	o		c		bc bc		c	o	b oro
16	5.9	53	2.3	- 1.0	25.4	26.6	25.7	24.8	bo		b	bc	c		bc	b	
17	8.6	78	3.3	+ 0.1	25.5	26.6	25.6	24.6	bcro		b	bcro	c		bc	b	
18	9.2	83	1.8	- 1.4	25.5	26.8	25.4	24.7			b		bc			b	
19	9.2	83	1.8	- 1.4	25.5	26.8	25.4	24.7		bo		b			bc	b	bo
20	1.4	13	3.1	- 0.1	25.5	26.6	25.3	26.1		bo		bc	cro		c		b
21	9.6	86	2.7	- 0.5	25.5	26.9	25.3	24.7		bc			b			bc	
22	8.3	75	2.4	- 0.8	25.5	26.9	25.2	24.9	bc		b			bc		b	
23	9.5	86	2.3	- 0.9	25.3	26.4	25.2	24.6	bo	bc		b	bc			b	
24	10.3	94	2.4	- 0.8	25.5	26.5	25.1	24.2			b					bo	
25	8.8	80	3.3	+ 0.1	25.5	26.4	24.9	24.0	bo		b			bc			b
26	1.9	17	4.0	+ 0.8	25.4	26.4	24.8	23.9		b		bc	o	c		o	
27	7.3	66	4.9	+ 1.7	25.5	26.4	24.7	23.9		o		c	bc		b	bc	b
28	3.9	36	3.8	+ 0.6	25.4	26.3	24.5	23.8		b		bc		c	o	oro	bc
29	8.8	80	3.6	+ 0.3	25.5	26.3	24.3	23.9		bo			b		bcro		bc
30	5.9	54	2.8	- 0.5	25.4	26.3	24.6	24.1		bcro		c	bcro	c	bc		b
31	10.3	94	3.6	+ 0.3	25.4	26.3	24.6	24.1				b					bo
Mean	7.91	70.2	3.02	- 0.24	25.46	26.62	25.81	25.38									
Average	7.39	66.4	3.26	...	25.61	26.29	25.51	25.03									
Column	19	20	21	22	23	24	25	26					27				

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MAY 1941

Element	Highest	hrs	Date	Lowest	hrs	Date
Atmospheric Pressure	1017.5 mbs	at 10 & 11	on 26th	1004.2 mbs	at 14 & 15	on 11th
Temperature of the Air	28.2°C	at 13.05	on 2nd	14.7°C	at 06.50 & 04.35	on 24th & 25th
Daily Range of Temperature of the Air	11.4°C		on 24th & 25th	3.8°C		on 1st
Temperature of the Dew Point	23.0°C	at 13.00	on 1st	11.2°C	at 13.00	on 24th
Relative Humidity	95.1 %	at 07.00	on 7th	39.8 %	at 1300 hrs	on 24th
[illegible] on grass				10.0°C		on 16th
Evaporation in 24 hrs	5.6 mms		on 13th	2.5°C		on 7th
Vapour Pressure	28.1 mbs	at 13.00	on 1st	13.3 mbs	at 13.00	on 24th
Rainfall in 24 hrs	4.0 mms	ending 23.00 hrs	on 1st			
Duration of Sunshine	10.7 hrs		on 3rd	1.4 hrs		on 20th

Mean Day Temperature of Air 23.89°C Mean Night Temperature of Air 20.47°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
...	18	10	3	...	10	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 of gravity, but are not reduced to sea level. The cistern of the barometer is 55.2 metres above mean sea-level)

M A Y, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	090	090	110	112	103	091	080	090	099	081	063	065	098	124	113	112	Midnight
1	087	088	109	110	099	090	079	082	097	081	061	065	099	121	110	111	1
2	066	082	106	102	092	086	067	072	091	070	051	060	093	117	102	102	2
3	066	082	106	102	092	086	067	072	091	070	051	060	093	117	102	102	3
4	067	080	102	100	090	081	063	072	086	065	050	060	094	116	099	100	4
5	067	081	105	099	091	080	064	073	081	066	050	061	093	116	099	101	5
6	071	094	106	100	098	086	066	075	083	070	051	062	098	119	101	103	6
7	081	090	112	106	100	087	071	081	094	079	056	067	102	122	106	110	7
8	082	093	115	110	101	090	077	088	100	082	060	073	110	128	110	113	8
9	090	099	120	110	106	090	077	094	101	086	064	080	117	128	114	117	9
10	095	100	122	111	108	090	080	097	100	085	063	081	118	123	118	120	10
11	091	099	118	110	103	086	077	093	097	080	059	076	116	119	113	114	11
Noon	080	095	111	103	094	081	073	086	092	071	054	070	111	113	108	109	Noon
13	071	087	106	099	090	074	071	080	080	062	046	065	108	104	099	101	13
14	067	081	100	093	082	069	063	076	072	050	042	061	106	100	092	096	14
15	066	080	101	093	082	067	062	077	071	041	042	061	104	095	093	096	15
16	070	080	101	094	084	067	065	080	071	040	046	062	104	096	095	096	16
17	070	086	103	100	087	070	066	081	075	043	048	068	106	099	100	099	17
18	074	091	108	102	090	072	066	090	079	046	050	072	109	101	101	101	18
19	077	096	111	105	096	081	069	092	081	050	052	080	111	107	105	106	19
20	086	103	114	109	099	089	074	100	086	059	057	081	118	111	110	110	20
21	091	109	117	111	101	088	085	101	087	065	057	089	122	113	112	112	21
22	094	110	116	111	100	088	090	103	085	064	059	091	124	113	113	111	22
23	095	111	116	109	095	085	092	101	083	064	061	099	125	115	113	110	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	109	100	089	084	100	107	119	119	130	161	165	161	162	146	155	111	Midnight
1	107	098	085	081	100	104	114	119	127	160	162	161	161	145	152	109	1
2	104	093	081	079	098	101	111	114	126	158	159	161	159	144	149	105	2
3	099	094	078	079	091	100	110	108	124	155	156	156	154	140	146	102	3
4	098	094	076	078	090	099	111	107	124	152	157	154	152	139	145	100	4
5	100	093	075	080	090	100	111	109	124	151	156	155	150	140	146	100	5
6	102	097	080	081	093	104	112	110	129	154	158	158	151	143	149	103	6
7	109	100	083	090	101	107	120	114	136	160	162	161	156	145	151	108	7
8	113	106	086	093	108	112	123	120	144	168	170	169	160	151	154	113	8
9	119	107	090	100	111	116	129	124	150	172	173	172	161	155	154	117	9
10	119	106	090	100	111	117	125	128	151	175	173	173	161	157	152	118	10
11	115	100	083	098	102	111	118	121	149	175	169	170	159	151	147	114	11
Noon	103	091	073	091	095	107	111	114	141	171	161	161	151	147	140	107	Noon
13	098	085	068	082	086	100	105	107	134	162	151	154	143	140	137	100	13
14	093	079	059	077	080	092	101	103	130	153	147	149	139	134	131	094	14
15	091	076	059	076	080	091	101	101	130	152	144	148	137	134	132	093	15
16	091	078	060	075	081	096	101	100	131	154	143	150	140	139	134	094	16
17	094	080	063	077	087	101	103	104	132	156	150	152	140	141	140	097	17
18	098	081	070	082	092	106	109	109	139	157	151	156	141	148	143	101	18
19	103	088	077	090	099	111	112	114	143	160	156	160	144	150	150	107	19
20	106	091	084	095	107	119	119	121	151	166	160	167	149	151	151	111	20
21	107	094	088	099	110	121	121	129	159	169	161	170	150	157	152	114	21
22	107	093	090	101	110	122	121	130	160	170	163	168	149	157	154	115	22
23	104	091	087	102	110	119	120	131	161	169	162	166	149	158	156	115	23

TABLE IX - AMOUNT OF CLOUD AT EVERY HOUR OF THE DAY (0-CLEAR SKY, 10 - OVERCAST SKY)

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	31	Mean
	MAY, 1941																															
Midnight	10	3	2	2	1	0	1	3	1	3	1	6	7	5	10	0	3	2	0	0	5	4	0	3	0	0	10	2	0	4	1	2.9
1	10	3	2	2	1	0	1	2	1	4	1	6	7	5	10	0	4	2	0	0	5	4	0	2	0	0	10	4	0	7	1	3.0
2	10	2	3	2	1	0	1	2	1	5	1	7	7	6	10	0	4	3	0	0	5	4	0	2	0	2	10	2	0	1[illegible]	1	3.3
4	10	2	3	3	1	0	1	2	1	4	1	4	7	3	10	1	4	2	0	0	8	2	0	3	0	3	8	3	0	10	1	3.3
4	10	2	3	3	1	0	1	2	1	4	1	4	7	8	10	1	4	2	0	0	8	2	0	3	0	3	8	3	0	10	1	3.3
5	10	4	2	4	5	0	8	4	1	3	1	3	2	6	9	2	3	4	0	0	2	1	6	2	0	2	10	3	1	7	1	3.4
6	10	5	1	5	5	0	8	4	1	2	0	2	7	7	9	2	3	4	0	2	2	2	6	2	0	3	10	3	2	6	1	3.7
7	10	5	1	4	5	3	9	4	1	2	0	2	7	7	9	5	3	3	0	3	2	2	6	1	0	5	10	5	2	8	1	4.0
8	10	5	1	3	4	5	10	3	3	2	0	3	5	8	6	7	6	2	3	4	1	3	5	1	4	8	9	7	2	9	0	4.5
9	10	5	0	3	4	7	10	3	5	3	0	3	4	9	4	9	9	2	5	5	0	3	3	1	7	10	9	9	3	10	0	5.0
10	9	5	1	4	7	7	10	3	7	3	0	5	4	6	5	10	8	7	3	8	1	5	3	1	7	10	8	9	2	5	1	5.3
11	10	5	1	5	6	8	10	3	8	6	0	3	5	6	6	8	8	5	3	9	0	5	3	1	7	10	4	9	3	10	3	5.5
Noon	10	4	2	6	4	8	10	1	5	8	1	2	4	7	4	8	8	5	6	10	1	5	3	1	8	10	1	9	3	9	3	5.4
13	9	4	3	6	5	8	10	3	4	4	3	2	5	8	6	7	5	4	6	8	2	5	4	1	7	9	1	8	3	9	3	5.2
14	9	3	4	7	6	8	9	5	4	4	3	1	4	8	6	7	5	4	7	8	3	5	4	1	7	9	1	8	3	8	3	5.3
15	6	3	4	7	6	8	9	7	2	4	3	0	8	9	6	5	5	4	6	7	4	5	3	0	6	9	1	9	4	6	3	5.1
16	6	3	4	3	4	8	9	4	3	2	3	1	6	10	6	2	3	3	6	8	5	6	3	0	6	9	2	9	6	6	2	4.8
17	7	3	3	2	3	8	8	2	4	1	4	1	5	10	6	1	2	1	6	9	5	7	3	0	6	10	3	10	7	6	1	4.6
18	7	3	3	1	3	6	7	2	4	1	4	1	5	10	6	1	2	1	3	9	7	7	2	0	7	10	3	10	6	6	1	4.4
19	5	2	2	1	2	5	7	1	3	1	2	1	5	10	4	1	2	1	2	1	7	3	1	0	6	10	5	10	6	3	0	3.5
20	5	1	2	1	2	8	6	1	2	1	1	8	5	10	4	1	2	1	1	1	7	2	1	0	4	10	7	8	7	3	0	3.6
21	6	1	6	2	1	7	5	1	1	1	1	8	6	10	1	1	3	1	0	1	1	7	1	1	0	2	10	7	4	3	0	3.3
22	3	1	3	2	1	6	5	1	1	1	3	8	6	10	2	1	3	1	0	1	4	1	2	0	1	10	2	3	4	3	0	2.9
23	3	1	2	1	1	6	4	1	1	1	5	8	6	10	0	1	2	1	0	1	4	1	2	0	0	10	2	3	3	3	0	2.6

TABLE X - DURATION OF BRIGHT SUNSHINE AT EVERY HOUR OF THE DAY AS RECORDED BY THE CAMPBELL-STOKES SUNSHINE RECORDER

Hour Ending \ Day	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
	MAY, 1941																															
	m	m	m	m	m	m	m	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	0	28	19	25	0	28	0	10	17	2	26	28	2	0	3	4	0	0	23	5	22	20	10	26	18	0	0	0	17	13	15	6.0
8	0	28	19	25	0	28	0	10	17	2	26	28	2	0	3	4	0	0	23	5	22	20	10	26	18	0	0	0	17	13	15	6.0
9	0	60	60	60	0	60	20	60	60	60	60	60	32	10	58	19	50	60	60	22	60	45	51	60	60	11	25	31	53	49	60	22.9
10	2	60	60	60	13	60	0	60	60	60	60	60	45	8	60	0	54	60	60	11	60	60	60	56	60	0	33	15	60	16	60	22.2
11	0	60	60	60	54	60	0	47	60	51	60	60	46	42	56	0	57	60	60	6	60	58	60	60	50	24	49	41	60	17	60	24.0
Noon	0	60	60	60	60	56	0	60	56	44	60	60	60	20	60	28	55	60	60	0	60	60	60	60	55	6	57	38	60	33	57	24.6
13	0	60	60	60	56	60	0	60	60	24	60	60	18	25	51	25	8	57	60	9	60	60	25	60	60	0	0	13	14	57	60	19.6
14	29	60	60	60	57	8	24	60	60	46	60	60	47	25	55	60	60	60	60	0	60	31	60	60	60	12	56	28	60	50	60	24.8
15	51	60	60	60	60	29	53	39	60	48	60	60	45	24	50	39	57	60	45	3	60	50	60	60	48	25	60	29	50	60	60	25.4
16	54	60	60	56	35	60	53	16	60	60	60	60	24	42	56	60	60	60	42	0	38	55	60	60	27	15	60	15	51	25	60	24.1
17	48	56	60	36	56	38	28	52	53	56	57	60	48	23	30	60	60	60	22	0	35	5	57	56	40	9	46	0	31	28	56	21.1
18	6	12	26	20	18	0	20	3	0	13	15	2	0	2	0	6	8	9	0	0	0	5	5	4	0	0	0	0	4	3	9	3.1
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
2																																

The total amount of registered sunshine was 252.6 hours and the total possible sunshine was [illegible] 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)

M A Y, 1941

Day / Hour	1		2		3		4		5		6		7		8		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	1.5	23.0	0.9	23.4	1.0	22.0	1.0	22.0	1.3	20.9	2.1	19.3	1.2	21.6	1.6	Midnight
1	24.1	1.4	22.9	0.9	23.2	1.0	22.1	1.0	21.8	1.5	21.4	2.7	19.9	1.5	21.3	1.2	1
2	24.2	1.3	22.6	0.9	23.2	1.0	22.0	1.0	22.0	1.2	21.2	2.5	19.2	1.2	21.3	1.3	2
3	24.6	1.7	22.5	1.1	22.9	1.0	21.8	1.1	22.0	1.1	20.1	1.9	18.9	1.3	21.1	1.4	3
4	24.8	2.0	22.4	0.9	22.6	1.0	21.6	1.3	21.6	0.9	19.9	1.8	18.6	1.1	21.0	1.5	4
5	24.3	1.6	22.6	1.2	21.9	1.2	21.3	1.1	22.1	0.9	20.1	1.8	18.9	1.4	21.1	1.8	5
6	24.1	1.8	22.3	1.0	22.1	1.2	21.9	1.4	22.4	0.8	20.0	1.9	18.9	1.1	21.0	1.9	6
7	24.0	1.8	23.1	1.2	23.0	1.8	22.3	0.9	22.7	1.0	20.9	2.0	19.3	0.5	21.0	2.0	7
8	23.9	1.3	25.1	2.1	24.8	2.6	24.1	1.8	24.3	2.0	23.6	3.4	21.7	0.7	23.0	3.1	8
9	24.3	1.3	26.0	2.8	26.0	4.0	25.2	2.9	25.7	3.1	25.0	4.1	23.4	1.4	24.1	4.0	9
10	26.0	2.4	27.0	3.7	26.4	4.1	25.4	3.2	26.0	3.1	25.4	4.5	23.6	1.9	24.6	45.	10
11	26.1	2.8	27.4	3.7	26.7	4.6	26.8	4.1	25.6	3.6	26.0	5.3	24.3	2.6	24.9	4.9	11
Noon	25.8	2.7	27.8	4.0	27.1	4.5	26.8	3.6	26.2	4.2	25.9	5.6	24.1	2.1	25.3	4.9	Noon
13	26.2	2.2	28.0	4.0	27.2	4.0	26.6	3.6	26.0	3.9	26.3	5.9	24.3	2.2	25.1	5.1	13
14	26.8	2.9	27.8	3.9	27.0	4.6	26.3	4.2	26.1	4.1	25.6	5.3	24.9	2.9	25.2	5.3	14
15	26.2	2.5	27.2	3.1	26.3	3.5	26.5	3.9	25.9	3.8	25.3	4.8	25.3	4.0	24.1	5.1	15
16	26.4	3.0	26.6	3.3	26.1	3.1	25.9	2.9	25.0	3.6	25.1	4.9	25.0	4.2	23.9	4.7	16
17	25.2	1.4	26.0	2.8	25.1	2.8	25.1	3.0	24.9	3.7	24.1	3.9	24.1	3.8	22.8	4.3	17
18	24.1	1.2	24.8	1.9	23.9	2.0	23.9	2.2	23.2	2.7	23.0	2.9	22.3	2.7	21.0	2.9	18
19	24.0	1.0	24.0	1.4	23.1	1.6	22.9	1.8	22.1	2.1	21.2	1.8	22.2	2.6	20.0	2.9	19
20	24.0	1.2	23.7	1.4	22.4	1.4	22.8	1.7	22.1	2.5	20.7	1.7	22.2	2.7	19.7	2.6	20
21	24.3	1.4	23.2	1.2	22.3	1.3	22.8	1.6	21.7	2.5	20.2	1.4	21.2	2.1	19.9	2.6	21
22	24.1	1.5	23.1	1.0	22.3	1.2	22.3	1.3	21.6	2.3	20.1	1.4	20.1	1.6	19.3	2.0	22
23	23.3	0.9	23.3	1.2	22.1	1.2	22.0	1.3	21.9	2.7	19.3	1.2	20.4	1.1	19.3	2.1	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	20.2	2.2	19.6	1.7	20.1	1.0	20.8	1.0	21.9	2.6	21.3	4.3	19.6	1.7	20.1	2.1	Midnight
1	19.1	1.9	19.6	1.6	19.7	1.1	21.0	1.0	20.6	2.8	21.1	4.6	19.7	2.9	19.8	1.9	1
2	19.6	2.3	19.1	1.3	19.4	1.1	20.9	0.9	21.0	2.8	20.7	2.9	19.9	2.7	17.9	1.8	2
3	18.2	1.7	19.5	1.8	19.1	1.1	20.9	1.1	20.2	1.9	20.2	2.3	20.0	3.0	16.7	1.7	3
4	18.1	1.6	19.2	1.3	19.0	1.2	21.0	1.1	20.0	1.9	20.2	3.1	19.4	2.2	16.5	1.5	4
5	18.1	1.6	19.8	1.7	19.0	1.2	20.1	1.2	19.2	1.3	19.2	1.9	19.1	3.1	17.2	1.2	5
6	18.2	1.9	19.6	1.5	18.7	1.4	19.5	1.3	19.3	1.4	19.7	2.5	19.1	2.4	17.3	1.2	
7	19.0	2.0	20.3	1.3	19.0	1.0	21.2	1.5	19.9	1.9	19.5	1.9	20.1	3.9	18.0	1.6	7
8	22.1	2.8	22.1	1.7	22.1	1.3	23.4	1.8	21.1	2.0	20.1	2.2	21.9	3.7	19.1	1.3	8
9	23.8	4.0	24.6	3.5	24.8	2.8	25.1	3.2	22.3	4.0	21.3	3.2	23.1	5.0	21.2	2.0	9
10	24.8	5.6	25.2	4.0	25.3	2.9	26.3	4.2	24.0	5.0	21.6	3.4	24.4	5.8	22.0	4.0	10
11	25.0	4.6	25.2	3.9	26.3	3.6	27.2	5.9	24.3	4.7	22.7	4.4	24.9	5.8	23.0	3.3	11
Noon	23.4	3.3	26.0	4.8	26.5	3.8	27.1	5.8	24.8	5.4	23.1	4.1	24.9	5.2	23.9	4.7	Noon
13	25.1	5.4	26.0	4.1	27.0	3.9	27.9	6.7	24.6	5.4	22.4	3.9	25.2	5.9	25.6	6.3	13
14	25.0	5.7	26.3	4.1	26.9	4.1	27.8	7.5	23.2	4.6	22.7	3.7	24.2	5.2	25.0	5.9	14
15	25.0	5.8	26.2	4.0	26.9	3.9	27.1	7.0	23.2	4.4	22.8	3.9	24.6	4.9	25.0	5.2	15
16	24.3	5.0	25.1	3.5	26.1	3.3	26.1	6.0	23.1	4.8	23.0	5.1	23.7	4.5	24.2	5.0	16
17	23.3	3.9	24.2	3.0	25.6	3.4	24.8	4.8	22.3	4.7	22.0	4.0	23.2	4.0	23.1	4.1	17
18	22.0	3.1	23.1	2.1	23.8	1.8	23.7	3.6	21.1	4.4	21.0	3.3	22.1	3.1	21.3	2.3	18
19	21.0	2.7	22.2	1.6	22.6	1.6	23.1	3.1	19.6	2.7	21.1	4.4	20.9	3.0	20.1	2.2	19
20	20.2	2.4	21.4	1.4	21.7	1.5	23.0	2.9	19.6	3.3	21.1	3.2	20.4	2.3	19.2	1.9	20
21	19.4	1.9	21.0	1.5	21.0	1.3	22.6	2.6	21.1	4.6	21.2	3.5	19.7	2.4	19.7	1.5	21
22	19.7	2.5	20.3	1.0	20.3	0.9	22.0	2.2	20.4	2.7	20.1	1.8	19.2	2.2	19.1	1.2	22
23	19.3	1.7	20.1	1.1	20.2	1.1	22.1	2.6	20.8	3.7	19.7	1.6	18.9	2.2	18.7	1.5	23

TABLE XI (Ctd) - TEMPERATURE OF THE AIR AND EXCESS OVER TEMPERATURE OF EVAPORATION IN DEGREES CENTIGRADE AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

(To obtain temperatures on the absolute scale add 273)

M A Y, 1941

Day / Hour	17		18		19		20		21		22		23		24		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	18.5	1.4	21.0	1.5	20.3	1.2	21.1	1.9	20.3	2.8	19.3	2.2	16.3	1.5	16.9	1.8	Midnight
1	19.1	1.0	21.1	1.3	20.0	1.2	21.6	2.1	20.0	2.8	18.6	2.4	16.0	1.5	17.1	1.3	1
2	19.7	1.1	21.1	1.3	19.9	1.3	21.2	2.2	20.8	3.2	17.9	2.0	15.4	1.5	17.0	1.9	2
3	19.2	1.1	20.9	1.2	19.4	1.3	20.9	2.1	20.5	2.9	18.2	2.1	16.1	2.1	16.5	1.7	3
4	19.2	1.1	21.0	1.3	19.1	1.2	19.4	1.6	20.1	2.8	18.4	2.2	17.0	2.3	16.1	1.4	4
5	19.1	1.1	20.6	1.1	18.5	1.3	20.0	1.9	19.5	3.1	17.9	2.2	16.1	1.8	15.9	1.3	5
6	20.1	1.0	20.4	1.1	18.2	1.1	19.9	1.9	18.3	2.4	17.9	1.9	15.7	1.7	16.2	1.4	6
7	20.7	1.0	21.0	1.3	18.5	1.2	21.1	1.9	18.1	2.2	17.1	1.9	16.3	1.6	14.9	1.2	7
8	21.5	1.2	23.3	2.5	21.0	1.1	22.0	1.9	20.5	2.9	19.8	1.9	18.2	2.2	17.9	1.8	8
9	22.9	2.8	24.1	2.5	23.9	2.9	23.2	2.5	23.2	5.0	22.0	3.9	22.1	4.0	22.2	3.9	9
10	23.2	2.6	24.8	3.7	25.1	3.4	24.1	3.8	24.1	5.8	23.9	4.9	23.9	4.7	23.1	4.9	10
11	24.2	3.0	25.1	4.0	26.2	4.0	22.1	2.1	25.0	6.8	24.0	4.4	24.9	5.8	24.3	6.1	11
Noon	25.2	4.1	25.4	4.2	26.7	4.6	23.2	2.1	25.2	7.0	25.1	7.8	[illegible]	5.3	25.2	7.0	Noon
13	24.9	4.3	26.1	5.0	26.9	4.3	24.3	3.6	24.1	5.1	24.6	5.6	25.0	5.8	25.9	8.8	13
14	25.2	4.7	26.2	5.3	26.9	4.7	24.4	3.8	24.8	6.1	23.4	5.4	25.0	5.3	25.7	8.7	14
15	24.4	4.2	25.8	4.7	26.1	4.1	24.2	3.9	25.0	6.4	23.9	4.3	25.0	5.7	25.1	6.7	15
16	24.6	3.9	25.6	4.5	26.0	4.1	23.6	3.7	23.3	5.4	23.3	4.6	24.2	5.3	24.4	5.9	16
17	23.9	3.6	24.1	3.2	24.2	3.0	22.8	3.8	23.0	5.2	22.3	3.6	22.8	4.3	23.2	4.6	17
18	22.8	2.7	23.1	2.2	23.4	2.3	22.2	3.7	21.1	3.5	20.6	2.6	21.2	3.0	21.8	3.5	18
19	22.0	2.0	22.2	1.7	22.1	2.0	22.1	4.1	21.7	4.4	19.8	2.3	19.1	2.1	20.1	2.3	19
20	21.5	1.8	21.1	1.0	21.4	2.0	21.9	3.9	21.2	3.4	19.5	2.3	18.0	1.9	18.9	1.9	20
21	21.2	1.5	21.1	1.4	20.8	1.7	21.2	3.6	20.9	2.8	19.8	2.0	17.1	1.8	17.9	1.8	21
22	21.2	1.5	20.8	1.5	21.3	1.8	20.6	3.4	20.3	2.7	18.1	1.8	16.9	1.8	17.0	2.9	22
23	20.9	1.7	20.4	1.3	21.6	1.9	20.0	2.7	20.4	3.1	17.0	1.4	17.4	2.2	19.7	1.7	23

Day / Hour	25		26		27		28		29		30		31		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	19.7	2.0	20.1	2.5	22.9	4.8	22.2	3.2	20.2	1.7	21.0	1.6	20.7	1.9	20.7	1.9	Midnight
1	19.1	1.9	19.9	2.9	22.8	5.8	22.0	3.7	19.7	1.7	21.1	1.4	20.4	2.2	20.5	2.0	1
2	18.3	1.7	19.4	3.1	22.6	4.4	20.6	1.5	20.5	2.5	21.0	1.6	21.0	2.5	20.3	1.8	2
3	17.1	1.5	18.7	2.6	21.3	2.3	20.3	1.7	19.1	1.9	20.1	1.2	21.1	2.4	19.9	1.9	3
4	16.2	1.5	19.3	2.3	22.0	4.1	20.1	1.9	20.0	1.3	20.4	1.4	20.6	1.9	19.8	1.7	4
5	16.9	1.7	18.3	3.0	22.7	5.4	21.3	2.6	19.7	1.7	20.6	1.2	19.7	1.7	19.7	1.8	5
6	15.7	1.7	16.2	1.4	22.4	4.4	20.5	2.7	19.1	1.4	20.7	1.1	19.1	2.0	19.6	1.7	6
7	16.1	1.5	20.8	4.5	22.6	4.7	21.2	3.1	19.4	1.4	20.3	1.3	18.7	1.8	20.1	1.9	7
8	18.2	2.2	22.0	3.9	23.1	5.0	21.9	2.8	21.1	2.3	22.1	2.0	21.5	2.8	21.9	2.2	8
9	23.0	4.1	22.7	5.6	23.9	5.0	23.1	3.0	23.3	3.8	23.1	3.1	23.3	4.9	23.6	3.5	9
10	23.6	3.5	23.6	5.0	24.7	4.7	23.9	3.6	24.7	6.1	23.0	1.9	24.2	5.0	24.4	4.0	10
11	24.6	4.5	24.2	6.5	25.6	6.0	24.2	4.1	25.5	6.8	23.0	1.9	24.8	5.9	25.0	4.5	11
Noon	24.7	5.3	25.2	4.9	25.6	5.8	24.9	5.4	25.3	5.9	23.8	2.6	24.7	5.8	25.3	4.7	Noon
13	25.6	5.4	24.0	6.0	25.1	5.2	23.4	2.9	25.2	5.9	24.0	2.8	25.1	5.5	25.4	4.8	13
14	25.1	4.9	23.9	5.6	25.4	5.6	24.1	4.0	25.2	5.4	24.7	3.7	25.0	4.8	25.4	5.0	14
15	25.0	4.7	23.6	4.8	25.2	4.7	24.2	4.2	25.1	5.2	24.7	3.5	24.5	4.5	25.1	4.6	15
16	22.9	2.2	23.3	4.7	24.5	3.8	23.5	3.5	23.6	3.6	23.5	2.6	23.9	4.9	24.5	4.2	16
17	23.0	2.5	22.2	3.3	23.7	3.7	22.1	2.2	23.2	3.2	22.6	2.3	22.8	4.7	23.6	3.6	17
18	21.8	2.3	23.0	5.1	22.8	3.7	21.3	2.0	21.8	1.8	21.1	3.2	21.3	2.0	22.4	2.8	18
19	21.7	2.2	23.0	5.1	23.0	3.6	21.2	2.3	21.2	1.8	21.1	1.6	20.1	2.2	21.6	2.4	19
20	21.8	2.5	22.6	4.5	23.0	3.3	21.0	1.3	21.3	1.5	21.6	1.8	20.0	2.0	21.3	2.3	20
21	21.4	2.9	23.0	5.2	22.8	3.2	20.5	1.4	21.1	1.4	21.4	1.7	20.9	2.0	21.0	2.1	21
22	20.8	2.7	22.9	5.2	22.2	3.2	20.1	1.4	21.1	1.5	20.8	1.2	21.0	2.2	20.6	1.9	22
23	20.1	2.5	22.9	5.5	22.7	3.2	20.3	1.5	20.9	1.5	21.1	1.9	21.0	2.1	20.6	2.0	23

TABLE XII - DIRECTION AND VELOCITY OF THE WIND AT EVERY HOUR OF THE DAY AS RECORDED BY THE ROBINSON CUP ANEMOMETER DURING MAY, 1941

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 *)

M A Y, 1941

Hour \ Day	1		2		3		4		5		6		7		8		9		10		11*		12		13		14		15		16	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
Mid-night	09	3.6	09	2.7	09	1.8	10	1.8	10	2.2	11	3.0	14	0.8	11	1.9	10	2.1	10	2.6	10	1.8	17	1.0	15	3.0	12	4.0	11	2.0	10	2.3
1	10	2.9	08	2.7	09	2.3	10	2.0	10	2.4	10	3.0	10	1.4	11	2.8	11	2.4	10	1.8	10	1.3	17	1.0	14	3.1	11	3.1	12	3.2	10	1.6
2	10	4.3	08	2.5	09	2.7	10	1.5	10	2.5	10	2.9	12	1.6	10	3.2	10	1.8	10	2.2	10	1.8	17	0.9	14	2.7	15	2.1	12	1.9	11	1.3
3	07	4.0	08	2.7	09	2.4	10	2.0	10	2.0	10	2.6	12	1.2	12	3.0	10	1.3	10	2.1	10	1.5	12	1.3	14	1.2	14	1.2	10	2.2	11	1.1
4	10	4.3	08	2.5	09	2.7	10	1.5	10	2.5	10	2.9	12	1.6	10	3.2	10	1.8	10	2.2	10	1.8	12	1.0	14	2.1	13	4.1	10	1.8	11	1.9
5	08	3.2	08	3.0	10	3.0	10	2.1	10	1.8	10	3.0	12	1.1	12	3.5	11	2.1	10	2.5	10	1.7	12	[illegible]	14	1.2	12	1.1	11	2.4	11	1.8
6	08	3.8	08	2.5	10	2.7	10	2.4	10	1.7	11	2.9	12	1.1	12	2.8	11	1.8	10	2.5	10	1.5	12	1.8	11	1.9	09	1.5	11	1.5	13	1.5
7	07	2.7	08	2.2	10	3.4	10	1.9	09	2.6	10	3.0	12	1.0	12	2.5	11	2.0	10	1.8	10	1.8	15	1.0	15	1.0	10	1.5	11	2.7	13	2.1
8	07	2.9	10	3.4	09	3.5	10	2.8	09	3.8	11	2.8	12	1.3	12	3.9	11	2.9	11	2.4	10	1.0	15	0.7	15	1.7	13	2.3	12	2.9	13	1.8
9	10	2.5	09	3.0	08	6.1	09	5.2	09	5.5	12	4.4	14	2.3	12	4.4	08	4.3	10	2.7	07	1.1	16	2.6	13	3.1	13	4.2	09	4.4	08	2.7
10	07	3.8	08	3.4	07	6.1	09	6.1	08	5.7	09	4.4	12	3.0	12	5.3	09	5.1	06	2.8	07	0.7	17	2.3	13	5.3	11	4.7	10	4.6	09	3.4
11	07	4.0	06	3.6	07	6.0	07	5.0	09	6.1	11	5.0	11	4.2	12	5.6	06	5.1	07	2.5	d23	2.6	15	3.5	12	6.1	11	6.6	11	5.5	08	1.9
Noon	07	4.7	05	3.2	07	5.8	08	5.1	08	6.0	09	4.3	10	2.9	12	6.3	08	5.6	07	2.0	21	3.2	16	4.1	12	6.8	12	5.8	11	6.9	11	3.8
13	07	4.6	06	3.3	08	5.8	09	4.8	09	5.6	09	4.2	11	2.7	13	6.1	08	5.5	04	1.4	22	3.9	17	4.4	12	6.3	09	6.8	10	5.7	11	4.1
14	07	3.6	06	4.0	07	6.3	08	4.9	09	5.8	10	3.0	09	3.7	11	5.6	09	5.2	04	2.0	22	4.1	16	4.4	13	5.9	09	5.1	11	5.4	09	3.4
15	07	3.9	07	4.5	09	4.6	10	4.4	10	5.7	11	3.3	12	3.7	12	5.3	09	4.5	04	2.7	22	3.8	16	4.1	12	6.8	12	5.8	11	6.9	11	3.8
16	07	4.3	08	4.3	08	4.4	09	4.7	09	4.8	11	3.4	11	3.8	11	4.4	09	4.9	06	3.3	22	3.5	14	4.0	12	4.1	12	5.2	11	4.7	11	4.4
17	08	3.3	09	3.9	08	3.2	10	3.7	10	4.1	11	1.8	12	2.6	11	3.4	10	3.6	07	1.8	22	1.8	14	4.5	12	3.9	12	4.5	11	3.7	10	3.5
18	08	2.9	09	2.2	08	2.4	10	2.2	10	2.6	11	0.7	12	2.9	12	2.1	10	2.7	07	0.9	r12	1.1	14	3.7	13	2.0	13	3.6	11	2.0	11	1.8
19	09	2.9	10	2.5	08	1.9	10	1.8	11	1.9	11	0.9	12	2.8	11	2.3	11	2.7	07	1.1	12	1.1	16	2.8	11	0.7	10	2.2	11	1.8	11	1.8
20	09	3.0	10	2.0	08	1.8	10	2.1	10	2.9	11	1.3	12	1.5	11	1.5	11	2.2	10	1.7	12	1.1	13	4.2	11	1.5	11	2.9	11	1.7	11	1.7
21	09	3.3	10	2.4	08	1.8	10	2.1	11	2.8	11	1.2	r30	0.7	11	1.9	11	2.3	10	1.6	12	1.6	12	3.2	13	2.4	11	2.2	11	1.8	11	1.8
22	08	3.8	09	1.8	09	1.9	10	1.8	11	2.8	14	1.6	01	0.6	11	1.6	10	2.6	10	1.8	12	1.4	14	4.9	12	0.8	12	2.2	11	1.8	11	1.5
23	08	2.1	09	2.1	09	1.6	10	2.1	11	3.6	14	1.1	d11	1.4	11	1.5	10	2.4	10	1.5	12	1.3	14	3.0	12	1.6	11	2.4	10	2.2	11	1.1

Hour \ Day	17		18		19*		20		21		22		23		24		25		26		27		28		29		30		31		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	1.6	10	3.1	11	1.5	14	1.9	12	2.2	12	1.0	10	1.3	14	1.9	11	2.4	10	3.4	09	3.7	10	2.4	11	2.2	10	1.9	09	3.7	2.3
1	08	2.0	10	2.2	11	1.3	14	2.9	12	2.3	10	1.7	13	1.1	14	2.2	11	2.8	10	3.2	07	4.0	10	3.5	10	2.1	11	1.8	12	2.1	2.3
2	10	1.2	10	3.0	11	1.3	14	2.5	12	2.4	12	2.7	13	1.0	14	2.0	11	1.8	10	3.1	10	3.3	10	3.9	10	2.2	07	2.8	09	2.7	2.3
3	10	1.8	10	1.7	11	1.3	14	2.0	12	1.7	12	2.7	13	2.1	14	2.3	10	1.9	10	2.1	08	3.7	11	3.0	11	2.1	10	1.4	10	4.4	2.1
4	10	1.6	10	2.0	11	1.8	14	2.0	14	2.2	12	2.7	13	2.7	14	2.4	09	0.7	10	2.6	08	3.6	11	2.3	11	2.4	11	2.3	10	2.5	2.3
5	10	1.9	10	1.9	11	1.5	14	2.0	14	3.2	12	1.9	13	1.7	14	1.9	09	1.8	10	2.5	08	4.2	10	3.4	11	2.1	11	1.3	10	1.9	2.2
6	10	2.2	10	1.0	11	1.8	14	2.4	13	2.5	12	1.7	13	1.9	14	2.1	09	1.5	10	2.6	08	3.7	11	2.7	08	2.1	10	2.2	10	1.3	2.1
7	11	2.3	10	3.7	11	1.3	14	2.1	13	2.0	12	1.0	13	1.7	14	2.0	09	2.1	09	3.5	09	4.3	09	2.9	09	2.0	10	3.1	12	1.1	2.3
8	09	3.5	10	3.0	11	0.7	14	1.5	13	1.8	12	1.6	13	1.1	14	1.1	09	1.9	08	4.1	09	4.2	09	3.5	10	3.2	11	3.1	12	1.3	2.4
9	08	4.4	08	3.7	11	0.6	13	2.6	11	3.5	13	1.8	13	2.3	12	1.9	09	3.2	08	4.9	08	4.4	08	4.4	11	3.8	11	4.1	11	4.5	3.5
10	06	3.9	08	4.3	11	1.1	11	2.4	11	3.2	10	2.8	12	3.1	12	2.5	10	4.4	10	5.6	08	6.1	10	5.4	10	4.7	11	2.5	10	5.2	4.0
11	07	4.1	09	4.7	d22	1.5	12	4.7	09	4.0	12	2.8	12	3.4	10	3.9	10	5.1	08	5.4	08	6.9	09	5.2	09	5.0	06	2.5	10	5.8	4.5
Noon	08	5.0	07	4.9	21	2.3	14	1.7	11	4.2	11	3.2	12	3.7	13	3.7	10	5.1	07	5.9	08	7.2	08	7.3	08	6.0	11	3.5	10	6.0	4.7
13	08	6.0	07	3.7	23	3.5	13	4.0	12	4.4	10	3.4	10	3.3	13	3.7	10	5.0	08	4.8	08	7.1	08	4.8	11	5.8	05	3.1	10	5.5	4.6
14	09	5.9	07	3.4	23	2.9	13	4.1	10	4.1	11	3.7	10	3.6	10	3.8	11	4.7	09	5.8	08	6.6	10	5.1	10	6.2	09	3.2	08	5.7	4.6
15	08	5.2	08	3.5	22	3.6	13	3.8	11	4.0	12	4.4	10	3.8	12	3.2	11	4.6	09	5.3	08	6.9	09	5.4	09	5.4	11	4.4	09	5.1	4.5
16	09	5.1	08	3.0	23	2.5	12	5.1	10	3.9	10	3.9	12	3.0	13	2.9	06	3.2	08	4.4	09	6.4	09	5.7	09	4.4	10	4.4	11	5.4	4.2
17	10	4.8	08	2.5	d07	2.1	12	5.4	10	2.7	11	3.5	12	2.4	13	3.3	10	4.1	07	2.9	08	5.0	08	3.5	10	3.3	11	2.8	10	4.1	3.4
18	09	3.2	08	1.3	07	1.3	12	5.0	10	2.1	11	2.1	12	1.4	13	1.8	11	4.2	08	4.0	09	4.2	10	3.0	11	3.8	10	3.4	11	3.2	2.6
19	09	2.4	08	1.4	10	2.0	13	4.4	11	3.1	10	2.4	12	1.6	13	1.0	10	3.7	08	3.9	09	4.3	09	3.1	10	3.3	12	2.4	11	2.6	2.4
20	10	2.9	08	1.9	12	1.7	11	2.5	10	1.6	10	2.9	12	1.5	13	1.0	11	4.0	09	3.7	10	4.3	10	2.5	10	4.0	12	2.5	11	2.2	2.3
21	10	2.7	08	1.4	12	1.8	12	3.7	10	1.7	10	1.3	12	1.6	13	0.6	09	3.9	08	4.0	08	4.8	10	2.1	10	3.9	11	1.9	10	2.7	2.3
22	10	2.8	08	1.4	13	2.1	13	2.5	11	1.8	10	0.6	12	2.0	13	1.8	10	3.0	08	4.3	09	4.1	10	2.1	09	3.6	09	1.9	10	3.3	2.3
23	10	2.4	08	1.4	14	2.5	13	2.2	12	1.8	10	0.7	14	2.5	11	3.2	10	3.1	07	4.1	09	3.7	10	2.8	10	2.6	10	3.3	10	3.8	2.3

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS), MAY 1941

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	-	-	-	-	4	13	10	4	-	-	-	-	-	-	-	-
9	-	2	29	-	-	-	-	14	2	13	1	1	-	-	-	-	-	-	-
15	-	2	29	-	-	1	-	12	3	12	-	1	-	-	2	-	-	-	-
21	-	-	31	-	-	-	-	6	9	15	-	-	-	-	-	-	-	-	-
Totals				-	-	1	-	36	27	50	5	2	-	-	2	-	-	-	-

TABLE XIVa - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY, FOR MAY 1941

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	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
1	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	0.4	..
3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.5	..
4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.5	..
5	..	..	..	..	0.3	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	..	..	..	..	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7	3.0	..	..	..	0.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	0.2	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	0.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..
19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..
21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	02.	0.1	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	0.1	..	..	..	0.2	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XIVb - RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS, FOR MAY 1941

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	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
1	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.9	0.1
2	..	..	..	0.2	0.1	..	..	0.2	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.7	0.1	0.1	..
3	..	..	..	..	0.1	..	..	0.1	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..
4	..	..	..	..	0.8	..	..	0.1	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.9	..
5	..	..	..	..	0.7	..	..	0.1	..	..	..	..	..	..	..	..	0.1	0.1	..	..	..	..	..	..	..	..	..	0.3	..	0.2	..
6	..	..	..	0.1	0.3	..	0.1	0.1	..	..	..	..	0.1	..	..	..	0.2	2.7	..	..	..	..	..	..	..	..	..	0.2	..	0.1	..
7	..	..	..	..	0.1	..	0.3	.	..	..	..	..	0.1	..	..	..	0.4	..	..	..	..	..	..	..	..	..	..	..	0.1	0.6	..
8	..	..	..	..	0.5	..	0.2	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9	..	..	..	..	0.3	..	0.9	..	..	0.1	..	..	..	0.4	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	1.4	..
10	..	..	..	..	0.3	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..
11	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..
12	..	..	..	..	..	..	0.2	..	..	..	..	..	..	0.3	..	..	0.5	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..
13	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..
16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	0.2	1.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	0.1	..
18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.7	..	..	..	..	..	..
19	0.1	4.4	0.2	..	..	..	..	..	..	..	..	0.4	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	0.1	0.1	..	..
20	..	3.2	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.3	0.1	0.1	..
21	..	..	0.1	..	..	..	..	..	..	..	..	0.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	0.1	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	0.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..

TABLE XV - TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR MAY, 1941

RIVER SYSTEM	S T A T I O N S	Approximate Altitude in feet	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20	0.50	12.7	5.52	3
	St Antoine	50	0.71	18.0	4.41	3
	Bel Mont	50	1.05	26.7	4.27	1
	Poudre d'Or	20	1.05	26.7	4.22	1
	Mon Loisir S.E.	300	0.61	15.5	5.61	9
	Forbach	300	0.45	11.4	4.63	4
	Couroupa	...	0.66	16.8	7.08	2
	Labourdonnais	290	0.51	13.0	4.90	11
	Mapou Water Office	...	0.48	12.2	...	3
	Beau Sejour	300	1.08	27.4	6.13	10
	Mont Piton	650	0.39	9.9	5.64	4
	Mon Choix	700	0.61	15.5	5.18	6
	Antoinette	640	0.84	21.3	6.13	7
	Mon Songe	620	0.76	19.3	6.29	8
	Botanical Gardens	325	0.57	14.4	4.57	17
	The Observatory	179	0.38	9.7	3.92	13
	Solitude	175	0.17	4.3	3.62	1
	St Andre (Cour)	90	...	...	4.10	..
	La Nicoliere	...	1.63	41.4	10.30	13
	California	...	1.15	29.0	06.06	5
	Australia	...	1.59	40.4	...	9
2 & 3	Union Regnard (Flacq S.E.)	600	1.63	41.4	7.66	12
	Constance d'Arifat (L.S.)	100	1.41	35.8	5.93	12
	Rich Fund	600	2.89	73.4	8.61	19
	La Joffrette	...	2.81	71.4	...	10
	Belle Vue Allendy	...	1.04	26.4	7.62	10
4	Sans Souci	900	5.23	132.8	13.54	18
	Beau Champ (G.R.S.E.)	20	...	...	5.79	..
	Olivia	400	...	...	10.30	..
	Trois Ilots	...	...	...	...	..
	Belle Rive	400	...	...	13.65	..
	Sebastopol	700	...	...	...	..
	Bonne Veine	400	4.04	102.6	10.27	19
5	Rose Belle	850	...	...	14.83	..
	New Grove	650	2.85	72.4	...	21
	Mon Tresor	...	4.43	112.5	...	13
	Mon Desert (Carie)	75	0.64	16.3	7.10	9
	Ferney	20	1.70	43.2	9.45	10
	Sauveterre	...	1.27	32.3	...	12
	Tivoli	1300	5.41	137.4	13.67	21
	La Flora	1050	4.94	125.5	14.06	23
	Riche Bois (Britannia)	650	1.52	38.6	8.92	16
6	Britannia S.E.	700	2.16	54.9	10.55	20
	Savannah Mill	200	2.01	51.1	7.87	13
	St Aubin	300	1.17	29.7	6.75	12
	St Avold	900	3.11	79.0	11.59	22
	Colmar	400	2.29	58.2	8.30	17
	Union S.E.	...	2.94	74.7	7.17	8
	Fontenelle	320	2.63	66.8	7.24	9
	Choisy	200	1.10	27.9	6.20	5
	Beau Bois	...	3.54	89.9	9.00	18
	Bel Air	...	0.30	7.6	6.74	2
	St Felix	...	0.80	20.3	...	3
7, 8, 9 & 10	Bel Ombre	40	1.86	47.2	6.16	9
	Beau Champ (B. du Cap)	70	2.33	59.2	6.03	11
	Frederica	...	1.86	47.2	...	9
	Pierrefonds	...	0.37	9.4	4.43	5
	Ste Marie	...	1.97	50.0	...	11
11	Curepipe Gardens	1840	3.75	95.2	9.58	20
	Mare aux Vacoas (G.End)	1250	4.01	101.9	13.23	25
	Mare aux Vacoas (Arnaud)	1830	5.07	128.8	12.74	26
	La Marie Filter Beds	1700	4.16	105.7	7.09	20
	Sophie	...	...	...	...	..
	Reunion	1420	1.88	47.8	6.28	13
	Aerological Station	1393	1.42	36.2	7.75	22
	Phoenix	...	.77	19.6	5.30	2
	Quatre Bornes	...	.58	14.7	...	3
	Quatre Bornes (Board)	1090	0.40	10.2	...	2
	Le Reduit (D. of A.)	1000	1.11	28.2	3.62	28
	Alma	1460	2.34	59.4	10.15	14
	Bagatelle	1250	1.57	39.9	5.31	9
	Highlands	1300	1.39	35.3	6.11	8
	Trianon	950	.56	14.2	4.00	3
	Val Ory	1100	...	...	4.50	..
	Bassin	...	0.45	11.4	4.90	2
	Hermitage	1450	1.65	41.9	9.65	9
	Ebene	...	0.84	21.3	...	8
	Bega	...	0.78	19.8	...	6
	Mon Reve	...	1.08	27.4	...	8
	Mont Pevril	...	0.78	19.8	...	6
	Minissy	1150	1.38	35.1	5.30	8
	Plaisance	...	1.28	32.5	...	7
	La Ferme	350	0.31	7.9	3.30	5
	Line Barracks	...	0.15	3.7	...	8
	Tobacco Research Station	...	0.05	1.1	...	2

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE AEROLOGICAL STATION, VACOAS, 424.5 METRES ABOVE SEA LEVEL, DURING THE MONTH OF M A Y, 1941

Type / Day	Time	St & Fs	Cumulus Cu. St & c.	Alto. Cu. Alto . St.	Cirro Cumulus	Cirro Stratus	Cirrus	St. & Fs.	Cumulus Cu.St. & c.	Alto. Cu. Alto St.	Cirro Cumulus	Cirro Stratus	Cirrus

N I L

MAURITIUS

ROYAL ALFRED OBSERVATORY

LATITUDE 20°51' 39"S., - LONGITUDE 3h 50m 12.6"

RESULTS OF MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JUNE, 1941

N. R. Mc CURDY, B.Sc. F.R. MET. SOC.

DIRECTOR

PUBLISHED IN 1965 BY

E.G.DAVY, O.B.E., B.Sc., F.S.S.

DIRECTOR OF METEOROLOGICAL SERVICES, MAURITIUS

PRINTED BY COURTESY OF

THE DIRECTOR, EAST AFRICAN METEOROLOGICAL SERVICE

TABLE I - RESULTS OF MAGNETICAL OBSERVATIONS MADE DURING THE MONTH OF JUNE 1941

Month and Day 1941	Mean Declination (West)	Mean Horizontal Force (C.G.S.) (Units)	Mean Vertical Force (C.G.S.) (Units)	Daily Range+ Declination (Unit ')	Daily Range+ Horizontal Force	Daily Range+ Vertical Force	H.h.h. : 10,000	Z.R.Z.: 10,000
MAY								
1	14° 09.2	.22395	...	3.5	24	..	54	..
2	09.2	395	...	4.8	19	..	42	..
3	09.2	395	...	4.8	19	..	42	..
4	09.1	401	...	4.0	33	..	74	..
5	09.6	404	...	2.7	39	..	87	..
6	09.2	402	...	6.0	65	..	145	..
7	09.5	399	...	3.5	47	..	105	..
8	09.5	402	...	2.6	34	..	76	..
9	10.0	421	...	3.5	75	..	168	..
10	09.3	401	...	5.0	77	..	172	..
11	09.4	...	...	2.5	..	..	..	..
12	09.6	399	904	3.0	36	14	81	42
13	09.4	391	905	7.5	102	30	228	90
14	09.3	388	909	5.5	56	18	125	54
15	08.7	385	909	8.7	59	14	132	42
16	09.6	400	902	4.0	20	30	45	90
17	10.1	419	899	4.5	45	24	101	71
18	09.0	407	905	9.3	36	14	81	42
19	...	415	901	..	40	25	90	75
20	...	402	903	..	45	19	101	57
21	09.8	410	901	3.0	30	24	67	71
22	...	415	9..	..	30	..	67	..
23	...	416	...	...	30	..	67	..
24	10.2	419	896	4.0	34	28	76	84
25	09.8	421	895	2.0	28	22	63	65
26	10.1	422	893	4.3	36	22	81	65
27	09.9	422	890	3.3	40	26	90	78
28	10.5	419	893	2.5	23	19	51	57
29	10.3	426	890	4.3	52	30	116	90
30	10.1	418	893	2.5	33	9	74	27
Mean	14°09.61	.22407	.29899	4.29	42.2	21.6	94.5	64.7

Description of the Principal Magnetic Disturbances

Horizontal Force:

3rd - Slightly disturbed.

6th - Single sharp and sudden positive oscillations (+20 γ) centred at 14h

8th - Slightly disturbed at midday

9th - Slightly disturbed from 8h to 13h. At 13h 15m sudden commencement with 33 γ increase of a short-lived disturbance subsiding after 16h; small pulsations superposed on the disturbed trace.

10th - Slightly disturbed. Sudden increase (+25 γ) followed by gradual recovery with small pulsations superposed. Trace becomes quiet after 22h.

11th Slightly disturbed.

13th and first hours of 14th: Moderately disturbed with sudden commendement at 7h 35m. Irregular features with small pulsations superposed. Trace becomes quiet after 14th 12h.

15th Slightly disturbed at [illegible]. important decrease 57 γ between [illegible] 13h.

17th (second half) and 18th. [illegible] disturbed. Mainly irregular [illegible] of minor importance.

19th, 20th, 21st & 22nd Slightly disturbed in parts

28th & 29th Slightly disturbed.

T = .37363: Mean Dip = 53° 9.08' : X = .21726: Y = .05481 : Z = .29899

+ = 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, 1941

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.	[illegible]	d. h. m.	° '	
10.13.15	14.07.6	4. 9. 51	.22418	10.13. 28	53.07.68	.29890
13.14.59	14.07.0	11. 9.33	.22429	13.15. 10	53.12.38	.29904
20.14.44	14.10.2	14. 9.46	.22399	20.14. 48	53.09.94	.29896
27.14.48	14.08.5	18. 9.26	.22423	27.14.56	53.06.94	.29877
		25. 9.43	.22423			
		28. 9.46	.22422			

TABLE III - MAGNETIC DECLINATION (WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

JUNE, 1941

13° +

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day / Hour
Midnight	700	695	695	700	695	695	695	697	693	697	705	685	703	710	690	700	Midnight
1	695	693	695	697	693	695	695	695	693	695	700	695	700	707	690	695	1
2	690	690	693	697	687	695	693	697	695	700	697	690	700	700	680	687	2
3	690	687	690	695	687	697	695	695	697	700	697	700	700	685	680	690	3
4	685	690	690	693	690	695	697	695	697	790	700	685	699	670	685	693	4
5	680	690	693	690	690	695	697	697	697	710	695	690	699	670	680	693	5
6	690	693	695	680	690	690	695	695	697	705	690	690	700	660	670	690	6
7	687	690	693	680	695	675	685	687	700	685	685	690	690	660	640	690	7
8	695	695	700	683	700	675	685	690	700	677	683	680	680	680	645	700	8
9	697	705	710	690	703	690	697	700	710	690	690	680	680	680	670	700	9
10	703	715	720	705	707	707	707	703	715	700	695	690	687	695	675	710	10
11	697	710	717	700	705	710	710	703	705	690	680	700	700	707	675	710	11
Noon	690	690	700	703	707	700	705	703	700	680	685	710	680	715	683	700	Noon
13	675	675	690	695	705	695	705	700	680	675	695	705	650	707	685	685	13
14	670	670	670	670	690	650	690	690	683	660	685	700	660	700	675	670	14
15	675	667	670	665	680	670	675	680	685	667	680	695	670	690	675	670	15
16	680	670	675	665	680	675	675	677	700	670	687	685	690	685	675	680	16
17	695	685	690	685	690	690	687	690	710	697	700	695	700	700	697	700	17
18	700	697	700	697	700	700	697	700	715	690	705	700	700	707	715	705	18
19	705	700	700	700	700	700	700	700	713	700	705	705	707	705	720	707	19
20	705	700	700	700	700	702	700	700	707	710	705	710	710	705	725	705	20
21	703	700	700	700	700	700	700	700	713	710	703	715	705	705	727	705	21
22	700	700	700	700	700	700	700	700	700	710	700	700	725	703	717	705	22
23	700	700	700	700	700	700	700	697	700	707	700	707	720	703	710	703	23

13° +

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean	Day / Hour
Midnight	700	715			705	700		700	700	695	705	700	703	700	699	Midnight
1	700	723			697	700		700	700	700	700	700	700	695	698	1
2	700	715			700	700		700	700	695	700	700	700	693	696	2
3	695	700			695	700		703	695	690	700	700	700	690	694	3
4	693	690			670	690		700	690	680	700	700	705	690	692	4
5	690	685			690	695		700	695	687	695	700	680	695	692	5
6	695	660			690	700		700	695	695	695	695	693	697	690	6
7	695	630			685			695	687	690	683	687	690	690	683	7
8	700	640			687			695	690	697	680	695	685	695	686	8
9	715	665			701			700	697	700	690	700	700	710	695	9
10	715	680			605			707	700	700	695	717	715	713	703	10
11	710	675			695			705	700	703	700	720	723	710	702	11
Noon	703	685			700		720	707	700	700	705	715	720	705	700	Noon
13	695	680			700		710	690	703	700	705	705	715	705	693	13
14	675	685		700	695		695	683	700	695	695	700	700	695	683	14
15	670	697		7[illegible]	687		680	680	690	693	687	695	687	690	680	15
16	675	700		700	690		685	690	687	695	690	697	683	693	683	16
17	695	705		705	703		700	705	695	705	705	705	700	697	697	17
18	710	705		705	710		710	715	707	717	713	715	710	705	705	18
19	715	707		720	713		715	715	707	723	707	715	715	715	708	19
20	715	715		715	715		710	720	705	715	707	717	715	715	709	20
21	715	710		720	707		707	715	703	715	705	715	715	715	708	21
22	715	710		715	703		705	713	700	715	710	710	707	710	706	22
23	715	705		713	710		703	707	700	710	705	705	705	705	704	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)

J U N E , 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	397	393	401	397	403	399	401	397	405	409	435	390	387	357	391	387	Midnight
1	398	395	401	400	403	398	402	402	406	413	438	385	393	367	390	395	1
2	400	394	402	401	405	397	403	403	408	409	400	387	399	380	400	492	2
3	402	400	403	402	412	398	405	404	412	410		390	403	380	402	394	3
4	404	397	406	403	410	398	406	405	412	415		396	409	385	407	394	4
5	410	403	415	405	409	399	408	406	415	409		397	412	403	403	398	5
6	415	405	417	410	412	401	410	417	418	405		399	411	413	405	401	6
7	413	407	419	415	416	410	412	410	420	420		402	415	413	409	402	7
8	408	412	423	421	422	420	417	413	428	433	426	412	432	409	406	404	8
9	407	411	427	423	427	427	419	420	437	439	426	414	447	399	400	407	9
10	402	411	430	430	433	434	418	424	445	420	445	418	440	398	402	407	10
11	400	410	433	425	439	441	420	431	453	423	429	420	410	385	403	405	11
Noon	391	410	433	416	437	443	427	430	451	410	418	420	378	376	390	404	Noon
13	398	407	419	415	428	443	433	414	450	402	410	419	389	382	350	409	13
14	400	404	413	417	413	450	422	412	480	410	415	416	366	383	356	405	14
15	399	402	402	406	409	416	410	406	450	412	412	407	365	378	356	402	15
16	399	399	402	403	405	405	402	407	425	402	413	401	378	380	354	397	16
17	395	402	406	406	403	394	401	405	425	392	405	400	360	385	360	398	17
18	400	402	405	410	406	385	400	403	415	405	404	389	375	390	369	400	18
19	399	403	403	410	405	388	392	403	405	380	405	398	377	385	373	399	19
20	396	403	402	408	403	394	387	400	408	367	394	397	382	387	377	400	20
21	397	403	405	406	403	395	386	398	407	362	398	399	365	386	381	400	21
22	400	403	400	406	401	397	391	399	406	370	394	391	350	387	380	401	22
23	395	403	396	406	400	400	396	402	406	380	390	384	345	390	386	401	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean	Hour \ Day
Midnight	402	389	397	405	390	399	402	407	403	410	402	408	403	415	397	Midnight
1	407	393	401	403	411	400	397	407	413	410	420	410	409	409	400	1
2	405	391	402	407	402	403	400	414	410	405	413	411	409	409	400	2
3	406	397	406	405	400	403	410	412	407	411	415	418	411	409	403	3
4	408	403	408	411	420	410	408	413	420	414	421	417	408	413	406	4
5	410	405	410	415	405	415	403	415	416	420	423	414	412	408	408	5
6	416	405	411	410	404	410	407	416	416	427	427	416	420	420	411	6
7	422	395	415	416	410	415	410	421	417	429	433	419	425	423	414	7
8	429	420	422	422	417	420	413	426	417	430	441	422	435	427	419	8
9	435	425	425	423	419	423	426	432	420	431	437	425	442	431	422	9
10	440	422	427	421	420	426	422	433	423	428	433	423	444	439	423	10
11	444	418	433	405	420	429	427	435	431	429	433	422	455	435	423	11
Noon	437	425	437	401	415	425	426	434	429	435	423	429	446	439	420	Noon
13	429	425	423	403	415	415	426	427	425	437	427	420	445	426	416	13
14	428	403	429	400	417	412	422	418	422	433	425	430	440	420	414	14
15	420	396	425	385	409	413	417	411	415	420	415	421	437	419	406	15
16	447	400	415	378	405	420	409	409	407	409	401	415	430	406	402	16
17	415	410	415	380	397	413	411	411	407	403	401	415	425	410	400	17
18	413	417	412	383	399	410	411	410	410	406	403	417	425	412	401	18
19	414	418	407	384	398	405	411	403	415	406	410	407	420	415	400	19
20	410	407	405	381	400	407	419	405	417	403	412	409	419	414	399	20
21	407	410	403	383	397	405	407	401	417	402	412	412	417	415	398	21
22	407	400	400	385	397	400	410	402	416	401	419	413	412	414	397	22
23	400	395	405	388	395	402	410	403	413	405	411	410	410	415	397	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)

J U N E, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight												905	911	920	910	910	Midnight
1												909	910	918	910	909	1
2												908	909	913	909	907	2
3												907	906	911	907	908	3
4												906	904	907	907	908	4
5												906	903	905	907	907	5
6												906	903	904	904	906	6
7												903	901	902	900	904	7
8												901	900	906	901	903	8
9												902	901	907	910	903	9
10											905	900	901	914	914	902	10
11											900	900	901	919	913	901	11
Noon											901	903	899	907	911	893	Noon
13											903	904	890	911	909	881	13
14											900	900	895	903	910	880	14
15											897	897	899	902	906	891	15
16											901	897	903	906	905	899	16
17											907	901	906	910	912	904	17
18											910	905	912	911	913	907	18
19											911	900	912	911	912	905	19
20											912	909	913	911	913	906	20
21											911	910	912	911	912	906	21
22											911	909	918	912	911	906	22
23											911	911	920	911	911	906	23

Registration was stopped on April 22nd and resumed on the 11th of June

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

Hour \ Day	17	18	19	20	21	22 ✱	23 ✱	24	25	26	27	28	29	30	Mean	Hour \ Day
Midnight	907	904	905	902	903	901		899	899	897	896	896	897	893	903	Midnight
1	907	909	905	901	901	902		899	896	895	897	893	896	892	903	1
2	906	909	905	902	902	902		898	895	894	892	893	895	893	902	2
3	905	906	905	903	903	902		899	895	893	891	893	894	893	901	3
4	905	903	905	903	901	903		898	894	893	891	891	894	892	900	4
5	904	902	905	902	904	903		899	897	892	891	891	892	892	900	5
6	903	902	904	903	904	904		900	897	894	891	892	893	891	900	6
7	901	899	903	901	903	903		900	897	893	889	891	891	890	893	7
8	903	901	902	900	902	902		900	899	894	889	895	890	891	899	8
9	904	909	903	905	907			902	901	899	891	900	893	892	902	9
10	901	913	903	905	910		903	903	900	899	892	901	899	897	903	10
11	891	911	901	901	905		903	899	898	895	891	897	897	897	901	11
Noon	890	909	894	903	900		902	890	896	890	889	890	893	893	897	Noon
13	889	904	882	901	891		901	875	891	881	881	889	884	890	891	13
14	883	900	881	891	886		891	877	884	879	871	884	875	888	888	14
15	884	901	886	892	887		887	881	879	878	872	882	879	890	888	15
16	890	906	896	897	893		891	889	881	883	877	885	874	891	893	16
17	897	908	901	907	901		901	897	889	891	885	890	883	891	898	17
18	901	907	906	910	904		902	899	897	898	893	893	887	893	902	18
19	901	907	906	909	905		903	901	899	899	894	894	889	894	902	19
20	901	905	906	909	905		903	901	899	900	895	895	891	894	903	20
21	901	903	905	909	903		903	901	900	900	896	896	891	894	903	21
22	903	903	905	906	904		903	901	899	900	897	897	892	894	903	22
23	900	904	903	905	903		901	900	899	899	897	896	893	895	903	23

✱ Registration light failed

TABLE VI - RESULTS OF METEOROLOGICAL OBSERVATIONS MADE AT THE AEROLOGICAL STATION, VACOAS(424.5 metres above mean sea level) DURING THE MONTH OF JUNE, 1941

Month and Day 1941	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 Cassella Pluviograph	Duration	Duration of Bright Sunshine	Percentage of Possible Sunshine
JUNE	mbs	°C	°C	°C	%	mbs	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms	mins	hrs	%
1	973.4	21.4	1.0	19.8	91	23.1	95	3.6	3	17.8	20.3	20.7	17.2	23.1	17.7	5.4	0.6	35		
2	973.0	21.3	3.2	16.0	72	18.2	90	6.3	2	17.2	20.4	22.1	18.0	23.2	17.2	6.0	0.2	5		
3	971.6	20.5	2.0	17.3	82	19.8	70	1.3	8	16.8	19.5	20.6	16.6	22.7	16.6	6.1	0.3	10		
4	970.1	20.4	0.9	19.0	92	22.0	60	0.9	7	17.4	19.7	20.7	18.6	23.0	16.8	6.2	0.4	10		
5	973.0	21.7	2.1	18.4	82	21.2	85	4.5	6	18.4	20.9	22.5	19.2	23.5	18.3	5.2	...	..		
6	975.2	20.9	2.5	16.8	78	19.1	90	6.7	4	18.7	20.1	21.5	18.4	22.5	18.3	4.2	...	..		
7	974.0	21.7	2.1	18.4	82	21.2	90	5.4	5	18.1	20.3	21.1	18.1	22.3	17.8	4.5	2.6	50		
8	972.0	20.5	3.8	14.0	67	16.0	90	2.2	0	16.5	19.6	21.8	14.9	23.2	15.8	7.4	...	..		
9	970.9	20.2	4.5	12.2	60	14.2	130	1.8	trace	13.8	18.9	20.9	17.8	22.0	13.1	8.9	4.5	35		
10	975.5	19.7	3.9	12.8	65	14.8	90	4.5	5	17.1	18.7	20.2	16.7	21.4	16.7	4.7	...	..		
11	976.5	19.1	2.9	14.2	73	16.2	105	7.6	8	14.4	19.3	20.1	16.4	21.6	13.8	7.8	0.5	15		
12	975.9	19.1	2.5	14.9	77	16.9	90	4.6	6	16.0	18.9	17.0	16.8	19.4	16.0	3.4	10.1	185		
13	974.5	19.3	1.6	16.6	85	18.9	90	7.6	8	16.3	18.6	18.7	16.9	21.2	15.6	5.6	0.3	15		
14	973.8	20.1	1.9	17.0	83	19.4	100	5.0	7	16.8	18.7	20.0	17.4	21.8	16.7	5.1	2.2	15		
15	973.6	18.0	0.9	16.5	91	18.8	95	4.5	9	16.7	17.1	17.4	17.2	21.0	16.4	4.6	5.1	140		
16	972.1	20.9	2.2	17.3	80	19.8	75	2.2	4	17.0	19.1	21.5	18.0	24.6	17.3	7.3	...	..		
17	972.3	21.1	2.6	16.8	76	19.1	CALM		2	16.8	19.3	22.9	17.8	25.2	16.0	9.2	0.2	10		
18	972.2	21.7	2.8	17.2	76	19.6	85	1.8	4	17.6	20.6	24.2	19.0	25.0	17.5	7.5	...	..		
19	972.6	20.0	0.5	19.2	95	22.2	50	0.9	10	18.2	20.2	20.9	18.8	22.8	18.3	4.5	12.3	85		
20	972.1	21.6	2.4	17.8	80	20.4	80	3.6	4	18.0	20.5	21.6	19.8	23.6	18.0	5.6	2.3	170		
21	972.4	19.5	0.6	18.6	94	21.4	90	5.8	10	19.6	19.0	20.7	17.9	21.9	19.0	2.9	18.7	125		
22	972.4	19.8	0.6	18.9	95	21.8	75	7.6	8	18.0	18.9	21.0	19.6	22.6	18.1	4.5	0.6	20		
23	972.4	21.3	1.4	19.1	87	22.1	85	5.7	8	19.3	20.8	19.8	19.2	22.8	19.1	3.7	4.2	210		
24	971.7	20.5	1.0	18.9	91	21.8	60	5.8	10	19.2	20.0	21.3	19.0	22.8	18.8	4.0	2.4	140		
25	973.2	20.7	1.8	17.8	84	20.4	55	4.5	9	19.0	20.1	22.5	18.8	23.3	18.3	5.0	1.2	65		
26	973.5	21.5	2.4	17.6	79	20.1	90	5.0	5	18.7	20.3	22.1	18.7	23.3	18.0	5.3	2.6	75		
27	973.1	21.1	3.2	15.8	72	17.9	105	3.6	4	18.5	20.0	21.1	18.1	22.0	17.5	4.5	0.6	70		
28	971.4	20.2	2.3	16.4	79	18.7	105	4.5	5	16.8	19.8	20.8	16.5	22.5	15.5	7.0	0.2	5		
29	971.4	20.8	2.9	16.1	75	18.3	70	4.5	5	16.9	20.2	21.8	17.5	24.2	16.1	8.1	0.2	5		
30	972.5	20.8	2.5	16.7	78	19.0	100	3.1	6	16.0	20.1	20.0	17.9	23.1	16.0	7.1	0.7	15		
Mean	972.9	20.5	2.2	16.9	80.7	19.4	...	4.2	5.7	17.4	19.7	20.9	17.9	23.4	17.0	5.7	74.0	1520		
Average	970.9	19.8	2.1	16.3	80.1	18.5	...	4.0	5.3	...	...	...	...	21.9	15.6	6.3	102.3	...		
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Sunshine cards out of stock

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

Atmospheric Pressure	+ 41.4 mbs	Amount of Rain	- 38.1 mms
Temperature of the Air	+ 1.0°C	Duration of Sunshine	-
Vapour Pressure	+ 0.6 mbs	Mean of Maximum Temperatures	+ 1.8°C
Relative Humidity	- 2.6 %	Mean of Minimum Temperatures	+ 1.6°C
Velocity of Wind	- 0.84 m.p.s.	Absolute Maximum Temperatures	+ 1.2°C
Amount of Cloud	- 2.2	Absolute Minimum Temperatures	+ 0.5°C

Greatest Rainfall Intensity : 4.3 mms in 5 mins.

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF JUNE, 1941

Month and Day 1941	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 Temperature	Temperature of the Dew Point: Mean	Temperature of the Dew Point: Excess above Average	Relative Humidity (Sat. = 100): Mean	Relative Humidity (Sat. = 100): Excess above Average	Vapour Pressure	Minimum on the grass	Rainfall: Amount per 24 hours (Since Previous Observation)	Rainfall: Duration	Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
JUNE	mbs	mbs	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs	°C	mms	min	mms	
1	1015.1	+ 4.2	25.2	19.1	6.1	21.8	+ 0.5	3.7	15.7	- 1.9	68	- 11	17.8	17.0	0.0	...	5.0	1.4
2	1014.4	+ 3.4	25.9	18.7	7.2	21.8	+ 0.6	3.2	16.6	- 0.9	72	- 7	18.9	16.3	0.0	...	5.4	0.7
3	1012.6	+ 1.6	24.2	17.5	6.7	20.5	- 0.7	1.8	17.6	+ 0.1	83	+ 4	20.1	14.9	0.2	15	4.1	4.3
4	1011.7	+ 0.5	26.0	19.0	7.0	21.8	+ 0.7	2.1	13.5	+ 1.1	82	+ 3	21.3	17.5	0.1	10	2.8	4.2
5	1011.7	+ 0.5	26,0	19.0	7.0	21.8	+ 0.7	2.1	18.5	+ 1.1	82	+ 3	21.3	17.5	0.1	10	2.8	4.2
6	1016.9	+ 5.5	25.4	19.3	6.1	21.9	+ 0.9	2.7	17.6	+ 0.5	76	- 3	20.1	16.7	0.0	..	4.1	1.6
7	1015.4	+ 3.9	25.3	19.5	5.8	21.7	+ 0.8	2.4	17.9	+ 0.9	73	+ 1	20.5	18.4	2.6	45	4.5	2.9
8	1013.0	+ 1.4	25.2	18.4	9.8	20.3	- 0.5	3.3	14.7	- 2.2	70	- 8	16.7	14.3	0.0	..	3.7	0.4
9	1013.4	+ 1.7	25.3	13.6	11.7	19.6	- 1.2	3.3	13.9	- 3.0	70	- 8	15.9	12.4	0.0	..	4.8	1.2
10	1017.5	+ 5.7	24.4	19.3	5.1	21.1	+ 0.4	3.8	14.7	- 2.1	67	- 11	16.7	15.7	0.2	30	5.0	3.6
11	1018.8	+ 6.9	24.3	14.4	9.9	20.2	- 0.4	3.6	14.0	- 2.8	67	- 11	16.0	13.9	0.0	..	4.8	2.0
12	1017.5	+ 5.5	24.6	18.9	5.7	21.0	+ 0.4	2.9	16.3	- 0.4	74	- 4	18.5	18.3	0.3	40	4.5	4.1
13	1016.2	+ 4.1	24.1	18.9	5.2	21.1	+ 0.5	2.3	17.3	+ 0.6	79	+ 1	19.8	18.3	0.9	10	3.3	3.9
14	1015.4	+ 3.2	24.7	18.9	5.8	21.6	+ 1.0	2.7	17.2	+ 0.5	76	- 2	19.6	18.4	0.2	10	3.2	3.4
15	1014.7	+ 2.4	22.9	18.8	4.1	20.3	- 0.2	1.5	17.9	+ 1.3	86	+ 8	20.5	17.2	3.8	140	3.8	8.0
16	1013.4	+ 1.0	25.7	18.0	7.7	21.0	+ 0.5	2.1	17.6	+ 1.0	81	+ 2	20.1	16.8	0.0	...	1.9	2.0
17	1013.3	+ 0.8	26.3	17.4	8.9	21.6	+ 1.2	2.4	17.8	+ 1.4	79	0	20.4	16.6	0.0	...	4.2	1.6
18	1013.5	+ 0.9	26.4	18.9	7.5	22.2	+ 1.8	2.3	18.6	+ 2.2	80	+ 1	21.4	17.7	0.0	...	3.5	2.2
19	1013.4	+ 0.6	25.9	20.0	5.9	22.0	+ 1.7	1.6	19.5	+ 3.2	86	+ 7	22.7	18.0	6.6	40	3.9	4.7
20	1013.1	+ 0.2	25.7	19.7	6.0	22.4	+ 2.1	2.1	19.1	+ 2.8	84	+ 5	22.1	18.9	1.0	30	3.2	3.3
21	1013.6	+ 0.6	25.1	20.9	4.2	22.4	+ 2.1	2.2	18.9	+ 2.6	82	+ 3	21.8	20.9	1.5	170	3.4	5.7
22	1014.0	+ 0.9	25.0	20.5	4.5	22.4	+ 2.2	2.1	19.1	+ 2.9	84	+ 5	22.1	18.7	1.4	40	2.9	4.0
23	1013.4	+ 0.2	25.1	21.3	3.8	22.6	+ 2.4	1.8	19.8	+ 3.6	84	+ 5	23.1	19.5	5.8	130	5.0	6.3
24	1012.5	- 0.8	25.2	20.9	4.3	22.9	+ 2.7	2.5	19.0	+ 2.8	79	0	22.0	18.9	2.3	80	3.3	6.7
25	1014.0	+ 0.6	25.2	20.6	4.6	22.6	+ 2.4	2.4	18.8	+ 2.6	79	+ 2	21.7	18.4	0.3	20	4.0	4.2
26	1015.1	+ 1.6	25.5	20.3	5.2	22.2	+ 2.1	2.2	18.7	+ 2.6	81	+ 4	21.6	17.8	3.0	105	4.1	5.5
27	1013.9	+ 0.4	25.9	18.3	7.6	21.5	+ 1.4	2.0	18.3	+ 2.2	82	+ 5	21.0	16.9	0.8	55	3.9	3.8
28	1012.4	- 1.2	25.1	18.0	7.1	21.1	+ 1.0	2.9	16.4	+ 0.3	75	- 4	18.7	14.0	1.3	45	3.4	3.2
29	1012.9	- 0.7	25.6	17.4	8.2	21.0	+ 0.9	2.5	16.9	+ 0.8	77	0	19.2	14.4	0.3	25	4.6	2.8
30	1014.6	+ 0.9	25.1	16.6	8.5	20.3	+ 0.2	1.9	17.2	+ 1.1	82	+ 5	19.6	12.7	3.0	60	4.2	3.2
Mean	1014.3	+ 2.0	25.2	18.6	6.6	21.5	+ 1.0	2.5	17.5	+ 1.0	78.1	+ 0.1	20.0	16.9	35.9	1120	3.9	3.5
Average	1012.3	...	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
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

General Weather Conditions during the month of June, 1941

Strong anticyclonic conditions persisted during the first half of the month. This early winter period brought dry and sunny weather especially to the north and west of the island. Although the later part of the month was quite seasonal Pamplemousses obtained about half of the normal rainfall and even in Vacoas only 3/4 of the normal amount was registered.

TABLE VII (Cont'd) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF JUNE, 1941

Month and Day 1941	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	9.5	86	3.4	+ 0.2	25.5	26.0	24.5	24.0	bo				b			bo	
2	10.4	94	3.0	- 0.3	25.3	25.8	24.5	23.9		bo			b			bo	
3	3.9	28	3.2	- 0.1	25.5	25.9	24.4	23.8	bo		b	bcro		c		bc	b
4	8.4	77	2.7	- 0.6	25.4	25.8	24.4	23.8	b	bcro			bc			b	
5	10.3	94	3.2	- 0.1	25.4	25.8	24.4	24.0		b		bc		b		bcro	b
6	10.3	94	3.5	+ 0.2	25.4	25.8	24.4	24.0	bo		b		bc			b	
7	10.0	92	4.1	+ 0.8	25.4	25.8	24.4	23.9	bo		b		bc			bcr	b
8	8.6	79	3.1	- 0.3	25.4	25.8	24.3	24.0		bo		b				bo	
9	10.6	97	3.1	- 0.3	25.4	25.7	24.2	23.4			bo						bc
10	8.7	80	3.9	+ 0.5	25.5	25.7	24.1	23.2	bcro	b		bc				b	
11	7.2	66	3.6	+ 0.1	25.5	25.6	24.0	23.1	bo		b		bc			b	
12	8.4	77	3.7	+ 0.3	25.4	25.6	23.9	22.8	bc			b		bc		bcro	
13	6.4	59	4.0	+ 0.6	25.4	25.8	23.8	23.1	b	bcro	bc	bcr		bc		b	
14	9.5	87	4.2	+ 0.7	25.5	25.7	23.8	23.1	bo	bro	b	bc	b			bc	
15	1.0	9	3.2	- 0.3	25.5	25.5	23.8	23.2		oro		ororo		oro		bc	bo
16	10.0	92	2.3	- 1.2	25.4	25.6	23.6	23.0	bo		b	bc			b		
17	9.9	91	2.2	- 1.3	25.4	25.5	23.7	23.2			b						bo
18	9.7	89	2.5	- 1.0	25.5	25.4	23.7	23.4		b		bc			b		
19	5.6	51	2.3	- 1.3	25.4	25.3	23.7	23.5	b		bc	cR		cro	bc		b
20	9.3	85	3.6	0.0	25.4	25.3	23.8	23.6	b				bc			bro	
21	7.0	64	4.6	+ 1.0	25.4	25.4	23.7	23.7	bro	bcro	croro	c	bc		c	bc	b
22	9.1	90	4.5	+ 0.9	25.4	25.3	23.8	23.6	b		cro						bro
23	6.3	58	4.4	+ 0.8	25.4	25.2	23.9	23.5	b		bcro				cro	oro	o
24	8.4	77	4.9	+ 1.3	25.4	25.1	23.9	23.7	oro	cro	bcro				bc		
25	8.2	76	2.9	- 0.8	25.4	25.1	23.9	23.7	bc	bcro	bc	c	bcro			b	
26	9.3	85	4.1	+ 0.4	25.4	25.1	24.0	23.8	bco	bcro	bc		b	cro		oro	bcro
27	8.8	81	2.9	- 0.8	25.4	25.1	24.0	23.9	bcro			bc		bcro		b	bo
28	9.6	88	2.9	- 0.8	25.4	25.1	24.0	23.8	b	bro	b	bc			b		bcro
29	9.7	89	2.6	- 1.1	25.4	25.1	24.0	23.7	bcro		b		bc			b	bo
30	6.0	55	2.2	- 1.5	25.4	25.1	23.9	23.4	bo		b	bc		cro	bc		b
Mean	8.31	76.3	3.36	- 0.13	25.42	25.50	24.02	23.56									
Average	7.48	68.8	3.49	...	25.51	25.38	23.78	23.08									
Column	19	20	21	22	23	24	25	26	27								

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JUNE, 1941

Atmospheric Pressure	1021.1 mbs	at 10.00 hrs	on 11th	1010.1 mbs	at 15.00 hrs	on 4th
Temperature of the Air	26.4°C	at 13.30 hrs	on 18th	13.6°C	at 06.05 hrs	on 9th
Daily Range of Temperature of the Air	11.7°C		on 9th	3.8°C		on 23rd
Temperature of the Dew Point	21.5°C	at 11.00 hrs	on 19th	10.9°C	at 06.00 hrs	on 9th
Relative Humidity	96.6%	at 08.00 hrs	on 14th	45.4%	at 11.00 hrs	on 1st
Minimum on Grass				12.4°C		on 9th
Evaporation in 24 hrs	5.4 mms		on 2nd	1.9 mms		on 16th
Vapour Pressure	25.6 mbs	at 11.00 hrs	on 19th	13.0 mbs	at 06.00 hrs	on 9th
Rainfall in 24 hrs	7.6 mms	ending 02.00	on 24th			
Duration of Sunshine	10.6 hrs		on 9th	1.0 hrs		on 15th
Mean Day Temperature of Air	23.08°C	Mean Night Temperature of Air		19.94°C		
Wind Velocity	7.0 m.p.s.	at 12.00 hrs	on 24th	0.6 m.p.s.	at 20.00 hrs	on 9th

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	Lightning	Thunderstorm
1	16	11	2	...	10	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)

J U N E , 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	152	156	142	120	132	167	173	151	136	160	200	191	171	162	157	144	Midnight
1	153	152	140	118	131	164	170	151	130	160	192	187	167	161	154	142	1
2	150	150	135	112	130	161	163	145	121	160	191	181	161	159	150	140	2
3	148	146	130	110	128	160	160	139	120	156	186	176	152	153	151	137	3
4	150	142	128	110	128	160	160	133	120	159	186	171	151	152	150	132	4
5	151	141	126	109	130	161	157	130	120	158	182	171	152	150	150	131	5
6	152	143	127	113	134	165	159	131	121	160	185	177	157	151	152	131	6
7	157	149	130	117	141	171	160	133	124	166	191	180	160	154	153	137	7
8	160	150	131	120	146	177	162	138	130	173	196	186	167	157	160	141	8
9	161	151	136	121	151	180	165	139	138	181	199	190	170	160	160	144	9
10	161	150	139	120	156	181	163	136	140	183	201	189	171	161	161	141	10
11	160	150	129	117	151	176	159	131	140	184	199	184	167	160	161	138	11
Noon	151	143	123	111	149	170	152	129	133	182	191	179	161	152	153	134	Noon
13	144	136	120	107	143	161	143	120	127	177	183	170	157	146	140	126	13
14	140	131	113	102	140	160	140	114	124	171	180	161	154	141	133	121	14
15	140	130	111	101	140	161	138	111	123	171	177	160	150	141	130	120	15
16	141	132	111	106	141	161	139	111	124	171	177	160	151	143	130	122	16
17	142	134	115	111	147	166	140	115	130	173	178	162	158	149	132	124	17
18	145	140	118	117	154	170	142	119	136	178	180	165	160	151	135	130	18
19	150	142	121	126	160	176	149	124	143	182	183	169	168	156	140	134	19
20	154	146	127	130	167	179	151	128	149	188	188	173	170	161	143	137	20
21	156	149	129	131	169	180	153	131	157	193	191	174	171	161	148	140	22
22	155	148	126	132	171	177	153	137	161	199	194	173	169	160	149	141	22
23	155	146	125	136	170	175	151	140	161	201	192	172	168	159	148	140	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean		Hour \ Day
Midnight	140	140	140	141	138	150	145	130	130	154	151	131	132	146	149		Midnight
1	138	137	137	140	134	149	143	129	130	152	150	130	130	143	147		1
2	133	132	131	134	130	142	139	126	130	149	148	123	126	140	148		2
3	130	131	130	131	124	139	132	121	126	147	144	120	121	139	140		3
4	129	131	127	129	125	137	130	121	126	146	141	119	120	137	138		4
5	130	131	126	127	126	137	131	122	126	144	140	120	136	131	138		5
6	131	132	128	127	130	137	132	127	130	145	142	121	121	138	140		6
7	132	136	131	131	134	139	136	130	135	150	148	123	122	142	144		7
8	140	141	140	140	142	140	141	131	141	152	150	130	127	147	148		8
9	143	146	147	143	146	148	136	150	160	151	131	148	131	150	153		9
10	142	146	149	143	147	150	150	138	151	161	153	132	133	150	153		10
11	141	141	141	140	143	148	145	131	148	160	150	131	130	146	150		11
Noon	133	136	132	129	139	140	140	124	142	152	141	123	129	142	144		Noon
13	124	126	124	121	129	137	128	120	136	141	131	116	123	140	137		13
14	120	120	120	116	123	129	125	113	131	142	127	111	121	139	132		14
15	118	120	121	111	122	125	119	111	132	141	126	109	120	141	131		15
16	120	121	123	113	124	127	120	111	131	143	124	110	121	141	132		16
17	125	128	129	117	129	131	123	114	137	147	125	112	126	146	135		17
18	128	131	131	122	133	136	126	120	141	151	126	119	130	151	139		18
19	131	136	134	129	141	140	130	126	148	153	129	121	137	154	144		19
20	135	141	139	136	149	144	138	129	152	155	131	130	139	157	149		20
21	140	143	143	140	153	149	138	131	155	136	132	143	156	160	152		21
22	140	142	146	140	155	151	136	132	160	158	137	134	146	161	153		22
23	141	141	143	140	151	147	135	131	160	157	133	137	149	161	152		23

TABLE IX -AMOUNT OF CLOUD AT EVERY HOUR OF THE DAY (0- CLEAR SKY, 10 - OVERCAST SKY)

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
	JUNE, 1941																														
Midnight	0	0	0	1	2	0	0	0	0	4	0	0	4	0	8	0	1	1	1	3	3	1	2	10	5	2	6	0	4	0	2.0
1	0	0	0	2	3	0	0	0	0	4	0	1	2	0	10	0	1	1	1	3	3	1	2	10	5	2	6	1	4	0	2.1
2	0	0	0	3	3	0	0	0	0	7	0	2	2	0	10	0	1	1	1	3	3	1	2	10	5	2	6	1	4	0	2.2
3	0	0	0	4	3	0	0	0	0	3	0	9	2	0	10	0	1	1	1	3	3	1	2	10	6	2	6	1	4	0	2.4
4	1	0	1	5	3	0	0	0	0	3	0	3	2	0	10	0	1	1	1	2	3	2	3	10	6	2	6	1	2	0	2.3
5	2	0	1	6	2	0	1	0	0	3	1	2	2	0	10	0	1	1	1	2	8	2	4	8	7	10	6	3	1	0	2.8
6	2	0	1	7	2	0	1	0	0	3	1	1	7	1	10	0	1	1	1	2	8	2	6	8	3	10	6	3	1	0	2.9
7	2	1	1	5	2	1	1	1	0	4	1	2	4	2	10	2	1	2	1	3	8	5	6	8	5	10	5	3	2	0	3.3
8	3	1	1	4	3	2	2	1	0	6	2	3	6	3	10	3	1	3	7	3	8	6	5	6	6	8	3	3	2	3	3.8
9	3	1	7	3	4	3	4	1	0	7	3	3	7	3	10	5	1	4	9	4	9	7	5	2	8	5	1	3	3	3	4.3
10	2	1	4	7	6	3	5	1	0	6	5	3	8	4	10	5	3	4	9	5	9	8	6	5	8	5	4	5	5	4	5.0
11	2	2	8	7	5	4	5	1	0	6	5	2	7	4	10	5	3	4	9	5	9	10	6	5	9	4	5	5	5	3	5.2
Noon	3	2	8	7	4	3	3	1	0	3	5	5	4	4	10	4	4	3	6	5	9	5	9	7	5	1	5	6	5	4	4.5
13	3	2	9	7	3	4	5	1	0	6	6	6	6	3	10	4	3	3	9	4	7	4	6	5	4	2	5	5	5	5	4.7
14	4	2	9	7	4	6	5	1	0	6	7	3	8	3	10	3	2	4	9	5	5	3	5	7	4	2	6	4	5	6	4.8
15	3	2	9	7	2	4	5	1	0	4	3	4	6	3	10	3	3	3	6	4	8	3	9	5	4	3	6	3	5	8	4.5
16	2	1	9	6	1	2	3	0	0	2	2	5	4	5	10	3	3	3	7	4	8	5	8	6	3	9	5	3	4	9	4.4
17	1	1	9	4	1	1	2	0	0	1	1	6	3	7	10	3	3	3	8	4	8	7	8	6	2	9	5	3	4	5	4.2
18	0	1	9	4	1	1	1	0	0	1	1	6	2	7	10	3	2	3	6	4	8	7	8	8	1	10	2	3	4	5	3.9
19	0	0	5	1	5	1	7	0	3	2	1	6	2	5	5	1	2	2	5	3	5	4	10	5	1	10	1	3	1	10	3.5
20	0	0	5	1	7	1	6	0	5	2	1	6	2	5	3	1	0	1	4	2	3	3	10	5	1	10	0	4	0	9	3.2
21	0	0	3	1	4	1	7	0	8	2	2	6	3	6	0	1	0	1	3	2	2	2	10	6	1	3	0	4	0	1	2.6
22	0	0	2	1	3	1	5	0	6	2	1	6	2	6	0	1	0	1	3	2	1	2	10	8	1	5	0	4	0	1	2.5
23	0	0	1	1	2	1	2	0	5	2	0	6	1	6	0	1	0	1	3	1	1	2	10	7	1	5	0	4	0	1	2.1

TABLE X - DURATION OF BRIGHT SUNSHINE AT EVERY HOUR OF THE DAY AS RECORDED BY THE CAMPBELL-STOKES SUNSHINE RECORDER

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
	JUNE, 1941																														
	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	hrs
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
7	0	13	0	8	3	9	0	18	20	0	2	0	0	0	0	0	12	2	0	0	0	1	1	0	3	0	1	0	8	0	1.7
8	17	60	12	60	60	60	54	60	60	11	48	41	47	45	0	45	32	60	0	58	0	40	17	35	52	47	50	27	60	60	20.3
9	60	60	43	60	60	60	60	60	60	48	60	60	41	60	15	60	60	60	0	60	5	60	60	40	52	60	60	60	60	60	26.0
10	60	60	43	60	60	60	60	60	60	48	60	60	41	60	15	60	60	60	0	60	5	60	60	40	52	60	60	60	60	60	26.0
11	60	60	60	53	60	60	60	60	60	60	47	60	60	60	[illegible]	60	60	60	23	60	35	27	60	60	30	60	57	60	60	60	26.5
Noon	60	60	39	53	60	60	60	60	60	60	60	60	60	60	[illegible]	60	60	60	59	60	56	60	47	60	52	60	60	60	60	60	28.2
13	60	60	20	56	60	60	60	60	60	60	54	47	28	60	0	60	60	60	56	60	60	60	56	50	34	60	60	60	60	33	26.2
14	60	60	1	60	60	60	60	60	60	43	15	57	15	60	0	60	60	60	30	60	60	60	14	60	60	60	52	60	60	0	23.9
15	60	60	0	48	60	60	60	31	60	49	27	58	40	60	0	60	60	60	37	60	59	60	47	60	60	60	34	60	60	0	24.2
16	60	60	0	4	60	60	60	0	60	60	20	42	46	52	21	60	60	60	60	60	46	60	18	32	60	60	57	60	60	0	22.6
17	57	58	4	39	60	60	60	31	60	60	51	19	12	57	24	60	60	36	39	18	60	60	12	45	21	29	43	60	31	26	21.4
18	14	13	0	1	13	11	6	16	14	8	8	0	0	0	0	13	11	6	7	0	3	3	0	0	4	0	6	9	0	0	2.8
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

The total amount of registered sunshine was 249.2 hrs and the total possible sunshine was 327.2 hours

TABLE XI - TEMPERATURE OF THE AIR AND EXCESS OVER TEMPERATURE OF EVAPORATION IN DE GREES CENTIGRADE AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

(To obtain temperatures on the Absolute Scale add 273)

J U N E, 1941

Day / Hour	1		2		3		4		5		6		7		8		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	21.0	2.1	20.1	2.2	18.8	1.2	19.3	1.3	20.2	0.9	19.6	1.5	20.3	1.7	19.5	1.7	Midnight
1	20.7	1.8	20.3	2.4	18.7	1.3	18.7	1.3	19.9	1.6	21.0	1.0	20.0	1.4	20.1	1.6	1
2	20.4	1.8	19.0	2.1	17.9	1.2	19.4	1.1	20.7	1.0	19.7	1.4	20.1	1.5	18.9	2.3	2
3	20.0	2.0	20.1	2.9	18.2	1.3	19.4	1.2	20.7	1.0	20.0	1.4	20.0	1.8	19.3	2.5	3
4	20.0	1.9	20.7	3.6	19.4	2.2	20.1	1.0	20.3	1.1	20.1	1.3	19.5	1.4	19.0	3.0	4
5	19.5	1.7	20.4	2.8	18.4	1.3	19.9	1.1	19.9	0.9	20.2	1.4	19.7	1.6	18.3	2.7	5
6	19.3	1.4	20.1	2.2	17.6	1.4	20.1	1.1	20.0	1.0	20.8	1.9	19.9	1.7	18.8	3.5	6
7	20.2	2.0	20.2	2.3	18.2	1.1	20.0	1.1	20.8	1.0	20.0	1.7	19.9	1.5	18.1	2.6	7
8	21.1	2.4	22.0	3.0	19.9	1.2	21.1	1.3	22.4	1.4	22.1	2.3	21.8	2.2	20.7	3.4	8
9	23.4	4.9	23.6	3.7	22.3	2.3	22.9	2.6	24.0	2.9	23.2	2.9	23.1	3.2	22.4	4.3	9
10	24.2	6.3	24.3	4.3	21.4	1.3	24.0	2.9	23.9	3.0	23.8	3.7	24.0	3.9	23.5	4.9	10
11	25.0	7.3	25.1	5.0	23.6	2.6	24.8	3.7	25.2	4.2	24.9	4.8	24.7	4.3	24.3	5.5	11
Noon	25.1	6.0	25.3	5.6	23.6	2.8	25.0	3.9	25.6	4.9	25.0	5.1	25.0	4.4	25.0	6.2	Noon
13	25.1	6.1	25.6	6.6	22.8	2.4	25.4	5.0	25.6	4.8	24.9	4.8	25.0	4.2	25.1	6.2	13
14	25.1	6.6	25.2	5.3	23.8	3.8	25.2	4.5	25.8	5.6	25.0	4.7	24.3	3.8	24.9	5.9	14
15	24.9	6.9	25.1	5.5	23.2	3.2	24.8	3.9	25.3	5.0	24.9	4.6	24.6	4.2	23.6	5.0	15
16	23.6	5.6	24.3	4.9	22.5	2.5	24.0	3.5	24.9	4.6	23.5	3.4	23.9	3.5	23.0	4.7	16
17	23.0	5.1	23.2	4.1	21.6	2.2	23.2	2.4	23.6	3.4	22.9	3.1	22.9	3.1	22.3	4.4	17
18	21.2	3.5	21.2	2.2	21.1	2.1	22.1	1.9	22.2	2.0	21.6	2.4	21.5	2.1	20.1	2.7	18
19	20.2	2.9	20.1	1.6	21.0	2.0	21.2	1.3	21.5	1.7	21.0	2.1	20.9	1.2	18.4	1.8	19
20	19.6	2.5	20.1	1.8	20.1	1.1	20.8	1.5	21.2	1.3	20.5	1.9	20.4	0.7	17.1	1.3	20
21	19.6	2.4	19.7	1.6	19.3	1.2	20.6	1.4	20.3	1.0	20.0	1.9	20.2	1.0	16.7	1.6	21
22	20.4	2.4	19.4	1.4	19.3	1.4	20.5	1.2	20.6	1.3	20.2	1.9	19.9	1.1	16.0	1.3	22
23	20.9	2.9	19.6	1.6	19.7	1.4	20.0	1.1	20.1	1.2	20.9	2.0	19.6	1.4	15.7	1.4	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	15.5	1.3	20.0	1.3	20.0	4.4	19.1	2.0	19.3	1.2	19.9	1.8	20.6	2.3	19.3	1.0	Midnight
1	15.1	1.1	20.0	1.3	18.3	3.3	19.6	2.6	19.7	1.5	19.9	1.8	19.8	1.8	19.2	0.9	1
2	14.9	1.2	19.7	1.2	18.3	2.7	19.1	2.2	19.2	1.1	19.8	1.7	20.1	2.1	19.1	1.0	2
3	16.0	1.4	19.3	1.2	18.2	3.1	19.9	2.7	19.1	1.3	19.6	1.6	20.0	2.1	18.8	1.0	3
4	15.2	1.1	19.8	1.7	18.6	3.3	18.9	2.0	19.1	1.2	19.2	1.3	19.7	1.8	18.4	0.8	4
5	14.3	1.4	20.0	2.6	18.1	3.7	19.0	2.1	19.3	1.2	18.9	1.2	19.1	1.4	18.2	0.9	5
6	13.7	1.5	19.9	2.8	15.9	2.6	19.3	2.2	19.6	1.3	19.3	1.2	19.3	1.0	18.5	0.9	6
7	15.1	1.4	20.0	3.0	16.0	2.0	19.3	2.6	19.7	1.0	19.4	1.1	19.2	1.2	18.9	0.9	7
8	18.3	2.4	21.0	3.9	20.0	3.4	20.9	3.1	21.2	1.7	20.3	0.4	19.0	1.3	20.1	0.[illegible]	8
9	21.5	4.2	22.3	4.5	22.3	4.6	23.0	4.3	22.1	2.1	22.9	3.1	20.8	1.8	22.4	1.[illegible]	9
10	23.2	5.8	23.0	5.6	22.4	5.1	23.7	5.0	22.1	1.2	23.0	3.0	21.1	1.9	23.9	2.9	10
11	24.7	6.6	23.1	5.6	23.8	5.7	24.0	4.9	23.0	2.9	23.8	3.7	20.4	0.5	24.8	3.7	11
Noon	25.1	6.9	23.5	5.5	23.2	5.5	24.0	4.8	23.7	4.0	24.5	4.4	20.6	1.0	25.3	4.6	Noon
13	25.0	6.4	23.3	5.3	23.6	5.4	24.0	5.5	23.2	4.2	24.6	4.4	20.4	1.3	25.0	4.7	13
14	24.9	6.6	23.3	5.2	23.2	4.7	24.1	5.2	22.9	3.8	24.0	4.0	21.2	1.4	25.3	4.6	14
15	24.2	6.0	23.2	5.1	23.0	4.9	23.7	4.6	23.7	4.8	24.1	4.1	22.3	2.2	25.0	4.9	15
16	23.5	5.9	22.4	5.2	22.2	4.7	23.0	3.7	23.4	4.1	23.4	4.0	22.0	2.6	24.3	4.1	16
17	22.8	4.7	21.3	4.6	21.6	4.1	20.9	2.1	22.6	3.5	22.9	3.7	21.2	1.6	23.3	3.2	17
18	21.0	3.8	20.1	3.9	20.2	5.1	20.3	2.2	21.3	2.3	21.9	2.9	20.6	1.5	21.6	2.0	18
19	19.2	2.5	20.9	4.1	19.6	2.6	19.9	1.7	20.2	1.0	21.3	2.9	20.7	1.5	20.2	1.7	19
20	17.8	2.0	20.2	3.5	19.2	2.2	19.9	1.5	20.2	1.9	21.2	5.0	20.1	1.2	19.4	1.4	20
21	18.1	1.9	20.1	4.4	19.1	2.2	19.7	1.5	20.6	2.1	21.4	3.2	20.0	1.1	18.3	1.2	21
22	19.2	1.9	20.0	4.7	19.3	1.9	19.6	1.3	20.3	2.0	21.5	2.9	19.6	1.0	18.1	1.2	22
23	20.0	1.4	19.8	4.2	19.3	2.3	19.3	1.3	19.8	1.8	21.0	2.6	19.4	1.0	18.2	1.3	23

TABLE XI (Ctd) - TEMPERATURE OF THE AIR AND EXCESS OVER TEMPERATURE OF EVAPORATION IN DEGREES CENTIGRADE AT EVERY HOUR OF THE DAY, [illegible] FROM THE PHOTOGRAPHIC RECORDS

(To obtain temperatures on the absolute scale add 273)

J U N E, 1941

Day / Hour	17		18		19		20		21		22		23		24		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	1.1	20.3	1.1	20.9	1.2	20.6	1.3	22.0	1.0	21.3	2.2	21.6	1.3	22.6	2.0	Midnight
1	19.0	1.0	20.1	1.0	20.4	1.0	20.1	1.1	21.6	0.9	21.6	2.4	21.6	1.5	22.6	2.3	1
2	18.9	0.9	20.2	1.0	20.2	1.1	20.1	1.1	21.8	0.9	21.3	2.3	21.6	1.5	21.0	1.1	2
3	19.1	1.0	20.1	1.1	20.6	0.9	20.0	1.1	21.9	0.9	21.0	2.0	22.0	1.4	21.6	1.3	3
4	19.4	0.7	19.4	1.1	20.6	1.0	20.0	1.0	21.9	0.9	21.0	1.8	21.9	1.6	21.9	1.5	4
5	18.7	1.0	19.3	1.1	20.3	1.1	20.0	1.2	22.0	1.0	21.0	1.8	21.4	1.1	22.0	1.8	5
6	18.0	1.1	19.0	1.0	20.6	1.2	20.0	1.2	21.4	0.8	21.3	1.5	21.9	1.2	21.2	1.1	6
7	18.1	1.2	19.4	0.8	20.3	1.2	20.0	1.1	21.8	0.9	21.2	1.3	21.6	1.3	21.9	1.3	7
8	20.4	1.1	21.8	1.4	21.3	1.3	21.7	1.7	21.7	0.8	21.9	1.8	22.3	1.2	22.7	1.9	8
9	22.8	2.7	23.3	2.2	22.0	1.3	22.9	1.2	22.9	1.7	22.4	1.4	23.5	1.9	23.6	2.6	9
10	24.2	4.2	23.7	2.7	22.9	1.2	24.0	3.0	23.4	2.3	23.8	2.7	22.8	1.4	24.3	3.2	10
11	25.1	4.6	25.6	4.7	24.0	1.7	24.9	4.0	24.1	3.1	22.6	1.0	24.5	2.6	25.0	4.3	11
Noon	25.6	4.6	26.0	4.9	24.8	2.8	25.0	4.2	24.1	3.3	24.0	2.8	24.2	1.9	25.0	4.3	Noon
13	25.8	5.4	25.9	5.2	25.2	4.0	25.3	4.7	24.3	3.2	24.2	3.1	24.4	2.7	25.2	4.1	13
14	26.0	5.9	26.0	5.4	24.0	2.2	25.2	4.2	24.7	3.7	24.6	3.9	22.9	1.8	24.2	3.6	14
15	25.7	5.7	25.7	5.2	24.0	2.2	24.9	3.9	24.0	3.4	24.3	3.3	24.3	3.0	24.2	3.5	15
16	25.0	4.9	24.8	4.2	24.2	3.1	24.2	3.1	23.7	4.0	24.4	3.1	24.1	2.9	23.7	3.5	16
17	23.7	3.5	23.5	3.0	23.4	2.4	23.6	2.6	22.9	3.0	23.9	2.9	23.0	2.1	23.2	3.1	17
18	21.9	2.0	22.5	2.1	22.8	1.8	23.0	2.0	21.9	2.6	22.9	2.1	22.8	2.2	22.9	2.9	18
19	21.0	1.7	21.6	1.5	21.6	1.5	22.5	1.5	21.3	2.6	22.0	1.9	22.3	2.1	22.6	2.6	19
20	20.4	1.3	21.0	1.3	21.6	1.3	22.2	1.1	21.5	3.2	22.0	2.0	21.8	1.5	22.1	2.1	20
21	20.2	1.1	21.0	1.2	21.1	1.1	22.0	1.1	21.7	3.2	22.0	1.8	21.3	1.2	22.0	1.9	21
22	20.6	1.1	21.2	1.2	21.3	1.1	22.0	1.1	21.3	3.0	21.9	1.4	22.0	1.9	22.2	2.2	22
23	20.4	1.1	20.8	1.2	21.1	1.3	21.9	1.2	20.9	2.2	21.7	1.5	22.1	1.9	22.1	2.2	23

Day / Hour	25		26		27		28		29		30		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.	
Midnight	22.0	1.9	20.7	1.4	20.9	1.4	18.6	1.5	19.2	1.4	17.4	1.3	20.0	1.6	Midnight
1	22.0	2.0	20.6	1.0	20.7	1.3	18.2	1.4	19.0	1.6	17.7	1.4	19.9	1.6	1
2	21.6	2.2	20.6	1.1	20.2	1.1	18.9	1.6	19.1	1.2	16.9	1.3	19.6	1.4	2
3	21.6	2.3	20.9	1.1	20.4	1.1	18.7	1.5	19.1	1.2	17.1	1.1	19.8	1.6	3
4	21.1	2.1	20.6	1.2	20.1	1.0	18.0	1.6	18.8	1.3	16.8	1.2	19.6	1.5	4
5	21.4	1.5	20.3	1.0	20.0	1.0	19.0	1.1	18.7	1.4	16.9	1.1	19.5	1.5	5
6	21.0	1.7	20.3	0.8	19.5	1.2	19.3	1.2	18.0	1.4	17.0	1.1	19.4	1.5	6
7	21.4	1.5	20.6	1.4	19.2	1.1	19.4	1.3	17.6	1.3	16.6	1.0	19.5	1.5	7
8	23.0	2.3	22.0	2.1	21.0	1.5	20.7	1.3	20.3	1.4	19.6	1.3	21.1	1.8	8
9	23.8	2.9	23.3	3.1	23.0	2.9	22.9	3.4	22.7	2.7	22.2	2.2	22.8	2.9	9
10	24.2	3.2	24.1	3.5	23.9	3.4	23.1	4.1	24.1	4.0	23.4	3.1	23.4	3.4	10
11	24.5	3.5	24.7	4.0	24.3	4.1	23.8	4.0	24.2	4.2	24.2	3.8	24.2	4.0	11
Noon	25.0	3.9	25.0	4.3	25.0	4.3	24.8	5.8	25.0	5.1	24.3	4.1	24.6	4.4	Noon
13	24.6	3.5	25.1	4.3	25.1	4.6	24.9	5.1	25.3	5.0	24.0	4.3	24.6	4.6	13
14	25.1	4.1	25.3	4.4	24.3	3.4	24.9	6.4	25.2	5.0	24.2	3.6	24.5	4.5	14
15	25.1	4.0	25.1	3.9	22.8	2.2	24.6	5.4	25.1	4.4	21.9	1.5	24.2	4.2	15
16	24.6	3.9	24.[illegible]	3.6	24.[illegible]	3.0	24.0	5.1	24.3	4.3	21.9	1.3	23.7	3.9	16
17	23.6	2.6	23.[illegible]	2.4	22.[illegible]	2.1	23.1	4.2	23.0	3.3	22.0	1.9	22.8	3.2	17
18	22.1	1.7	21.2	1.2	21.7	1.5	21.2	3.1	21.7	2.5	21.1	1.1	21.6	2.3	18
19	21.3	1.3	21.1	1.3	20.9	1.3	19.6	2.3	20.1	1.6	20.4	1.2	20.8	1.9	19
20	21.1	1.2	21.1	1.0	21.1	1.8	19.0	1.9	19.6	1.6	20.0	1.5	20.4	1.7	20
21	21.1	1.2	20.6	1.3	19.7	1.6	19.1	1.9	19.0	1.4	19.7	1.7	20.1	1.7	21
22	20.9	1.2	20.7	1.2	19.1	1.2	19.0	1.7	18.3	1.3	19.8	1.3	20.1	1.6	22
23	20.7	1.3	21.0	1.4	18.4	1.2	20.2	1.1	17.7	1.4	19.9	1.2	20.1	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 J U N E, 1941

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

J U N E, 1941

Hour \ Day	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Mid-night	11	3.4	11	1.1	10	2.2	11	1.8	11	1.9	12	1.7	10	2.3	11	3.5	11	2.6	10	3.2	11	3.8	11	2.8	11	2.7	10	3.2	11	3.4	10	2.3
1	11	3.7	14	1.3	11	1.7	11	2.1	11	1.9	12	1.9	11	2.2	12	3.0	11	2.3	10	3.2	11	2.0	12	3.0	11	3.8	11	3.2	11	2.6	10	2.3
2	11	3.7	14	1.0	11	2.2	11	2.2	11	1.5	11	2.1	10	2.7	12	3.1	11	2.4	10	3.2	11	3.8	12	2.0	11	4.1	11	3.0	11	4.4	10	2.4
3	12	1.8	11	2.2	11	2.2	10	2.3	11	1.7	10	3.2	11	2.6	11	4.3	12	3.1	11	1.8	11	3.1	12	2.1	10	3.8	10	3.1	11	2.8	10	1.9
4	12	2.6	11	3.7	11	4.3	11	2.7	11	1.8	11	2.4	10	2.3	13	3.1	12	2.1	13	2.4	12	2.8	12	2.6	11	2.3	11	2.8	12	1.9	10	2.0
5	11	2.8	11	2.9	14	1.8	10	3.6	11	2.4	11	2.7	11	2.5	13	3.8	13	2.0	14	3.4	12	1.8	12	4.0	10	3.6	11	2.6	11	1.6	10	2.1
6	11	2.3	12	2.3	14	2.1	12	2.1	11	2.1	10	2.4	11	2.8	13	3.9	11	2.1	14	3.6	13	0.9	11	5.7	10	3.8	11	3.2	10	3.3	10	2.4
7	11	3.0	11	2.0	14	1.7	10	2.6	11	2.4	12	1.8	10	3.1	12	3.4	12	2.9	13	3.6	13	2.2	12	2.6	10	3.4	10	3.0	12	3.8	10	2.3
8	11	3.6	11	1.6	14	1.2	12	3.7	11	3.0	11	1.6	10	3.4	12	3.0	13	2.7	12	3.4	12	3.3	12	2.6	10	3.8	10	3.3	10	3.5	11	2.6
9	10	4.5	09	3.4	10	2.6	10	3.9	10	4.4	12	3.2	09	5.9	12	4.4	12	3.9	10	3.2	09	5.1	11	3.5	09	4.4	09	4.6	11	2.8	11	2.8
10	10	4.8	11	5.7	12	3.1	10	3.8	09	4.2	10	5.3	10	5.9	12	4.6	13	4.9	09	6.0	11	5.8	09	6.1	09	4.5	11	5.0	10	3.4	08	3.6
11	10	5.4	11	5.5	09	4.1	07	3.7	09	5.5	09	5.9	10	6.7	11	2.7	14	4.2	11	6.2	08	6.6	09	5.5	10	6.0	11	5.8	10	2.5	11	2.3
Noon	11	5.7	11	6.1	09	4.4	07	3.3	08	5.0	10	5.7	09	6.3	09	3.0	13	5.1	11	5.9	11	5.3	10	5.8	09	6.3	11	5.8	10	3.4	06	2.8
13	11	5.6	10	4.7	09	4.1	09	3.2	09	5.6	11	5.9	10	5.7	08	3.9	13	6.5	11	6.3	10	5.8	10	4.6	09	5.3	10	5.6	11	4.1	07	2.7
14	11	4.7	11	4.7	09	4.8	09	3.6	10	5.4	11	5.9	09	6.2	10	3.5	13	4.1	12	6.1	12	5.1	10	5.7	09	4.9	09	5.9	12	3.8	06	3.8
15	11	4.8	08	4.2	10	4.6	07	3.3	11	5.2	10	5.0	09	5.2	09	2.9	11	5.4	13	5.5	12	5.2	10	4.9	11	5.4	09	6.4	11	4.2	07	3.1
16	10	4.3	09	3.6	12	4.6	08	3.5	09	4.8	11	5.6	09	5.0	11	2.2	12	4.1	13	4.7	10	5.0	11	4.4	09	5.1	10	5.9	11	4.7	08	2.6
17	10	3.2	09	3.0	11	4.0	09	3.1	10	4.0	10	4.0	09	5.0	10	2.6	13	3.2	12	4.4	11	4.4	11	3.3	10	4.0	10	4.4	11	3.1	08	2.0
18	10	2.0	09	2.1	12	3.2	09	2.0	10	2.5	10	3.6	11	3.6	10	2.5	12	2.5	12	1.8	11	2.8	12	3.2	11	3.5	11	4.4	11	3.2	08	1.2
19	10	1.8	10	1.5	11	3.8	09	1.6	10	2.2	11	2.6	09	4.7	11	2.4	12	1.0	12	4.0	11	2.7	12	2.9	10	2.9	10	3.9	11	2.7	08	1.2
20	10	1.9	10	2.1	11	4.8	09	2.0	07	2.4	11	2.3	09	2.3	11	2.1	12	0.6	12	3.2	11	2.9	12	3.2	10	2.9	10	3.1	11	2.9	08	1.8
21	10	2.2	10	1.8	11	3.3	11	1.8	11	2.1	11	2.2	11	3.1	11	2.0	12	1.0	11	3.6	11	3.5	11	2.6	11	3.2	11	3.8	10	2.8	10	1.5
22	11	2.4	10	2.3	11	2.1	11	1.8	11	2.9	11	2.9	11	3.4	11	2.3	12	2.0	11	2.9	11	2.4	11	2.3	09	3.5	12	5.7	10	2.5	10	1.4
23	09	1.8	10	2.1	11	3.9	11	1.6	12	2.0	10	3.0	11	4.7	11	2.4	11	4.4	11	3.3	11	3.3	11	3.2	11	3.5	11	3.5	10	3.1	10	2.4

Hour \ Day	17		18		19		20		21		22		23		24		25		26		27		28		29		30		Mean Velo-city
	Dir.	Vel.	Dir.	Vel.	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	2.0	09	1.7	09	1.5	11	2.1	09	4.2	10	4.0	09	3.7	08	4.8	08	2.4	11	2.5	11	3.5	10	2.0	07	2.7	11	2.3	2.7
1	11	2.1	10	1.9	09	1.6	11	2.2	09	1.5	09	3.9	09	3.4	09	4.0	08	2.7	10	2.6	11	2.8	10	1.7	07	2.1	11	2.2	2.5
2	11	2.1	10	1.9	10	2.0	11	2.4	09	3.0	09	4.4	09	3.1	08	4.1	07	2.4	11	2.9	11	2.4	10	2.0	10	2.3	11	1.7	2.6
3	10	2.1	10	1.6	10	1.6	11	2.1	09	3.0	09	3.8	09	3.5	08	3.7	08	2.0	11	3.2	10	2.8	10	1.9	10	2.5	11	2.2	2.6
4	11	2.8	10	1.8	11	1.9	11	1.9	09	3.1	10	3.3	08	3.3	08	4.0	08	2.0	10	3.5	11	2.3	10	1.3	10	2.3	11	1.8	2.6
5	12	2.4	10	1.5	11	1.8	11	3.0	10	3.4	11	3.2	09	3.3	09	4.2	08	2.3	09	3.8	11	2.2	10	2.0	10	2.4	11	1.8	2.7
6	11	1.8	10	2.0	11	1.3	10	2.8	09	4.2	10	4.3	09	4.1	08	4.1	08	2.0	08	3.3	11	1.9	11	2.2	10	1.8	11	2.1	2.8
7	11	1.8	10	1.6	11	2.8	11	2.7	09	3.8	10	4.8	09	4.2	08	4.2	08	2.2	08	3.1	11	1.7	11	1.8	10	1.9	11	1.4	2.7
8	11	2.1	10	2.4	11	2.3	11	3.0	09	4.4	09	4.9	09	4.2	07	4.7	07	3.2	09	4.5	11	1.9	11	1.5	10	2.1	11	2.0	3.0
9	11	2.4	09	3.8	10	1.8	09	3.9	09	4.9	09	4.6	09	4.8	07	6.2	06	4.5	09	5.4	10	3.5	10	3.4	08	2.0	10	2.7	3.9
10	11	2.6	10	3.1	11	1.6	10	4.4	10	6.4	09	6.3	09	5.1	08	6.8	06	4.4	08	6.0	11	5.0	09	4.7	06	3.6	09	3.5	4.7
11	10	2.4	10	3.1	07	2.9	10	4.8	10	6.4	09	5.4	07	5.3	07	6.4	06	4.2	08	6.2	08	4.7	06	4.4	08	4.0	09	4.0	4.8
Noon	11	3.0	08	2.7	08	4.0	10	5.1	09	6.8	09	5.6	06	5.6	07	7.0	07	4.6	07	6.2	10	4.7	09	5.2	08	3.3	07	3.4	4.9
13	06	2.1	06	3.0	09	4.2	09	6.2	09	6.7	08	6.2	07	6.3	09	6.9	09	3.5	08	6.0	08	5.0	06	4.8	05	3.9	09	3.4	4.9
14	08	2.2	09	3.7	07	2.7	09	5.5	09	6.4	08	6.2	08	5.3	09	6.0	07	4.4	09	5.3	10	5.0	07	4.7	05	3.3	08	3.2	4.[illegible]
15	06	2.6	06	3.4	08	3.1	09	5.0	09	6.4	08	6.0	07	5.8	07	6.5	09	3.7	08	3.6	10	3.3	08	4.7	06	3.9	10	2.3	4.5
16	07	2.3	09	4.1	08	3.2	09	5.6	10	5.9	09	5.7	09	5.4	09	5.9	08	3.3	09	5.0	10	3.8	08	4.2	07	3.4	11	1.5	4.3
17	08	1.9	09	2.8	10	2.3	11	4.2	09	5.2	07	4.6	08	4.5	09	4.8	11	2.7	10	5.1	10	2.9	09	3.5	07	2.1	11	1.6	3.5
18	08	2.0	10	2.5	10	2.1	11	3.3	10	4.5	09	3.8	08	4.1	08	4.2	11	2.0	08	2.6	10	2.0	09	2.7	08	2.4	08	2.0	2.8
19	08	1.8	10	2.6	10	1.9	10	3.2	10	3.9	10	3.6	07	4.3	09	4.5	11	1.8	10	3.4	10	2.9	09	1.8	08	2.2	09	2.0	2.7
20	09	1.6	10	2.8	10	2.1	10	3.1	10	4.0	10	3.6	09	3.4	10	3.8	12	1.9	11	2.6	09	2.6	09	1.8	09	1.8	11	1.8	2.6
21	09	2.1	09	2.2	10	2.1	11	2.9	09	3.9	10	3.6	09	4.4	11	3.5	11	2.5	10	3.6	09	1.8	09	2.0	11	2.4	10	2.0	2.7
22	09	2.0	09	2.1	10	2.5	09	3.2	09	4.0	09	3.8	09	4.4	10	3.7	12	2.3	11	3.1	09	1.4	09	2.4	11	1.7	10	0.7	2.7
23	09	2.1	10	1.2	09	2.0	09	2.4	09	3.5	10	3.6	09	4.0	11	3.6	11	2.7	10	3.7	09	1.5	06	2.3	10	1.8	10	0.7	2.8

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS), JUNE, 1941

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	-	-	-	-	5	11	14	-	-	-	-	-	-	-	-	-
9	-	2	28	-	-	-	1	13	9	7	-	-	-	-	-	-	-	-	-
15	-	6	24	-	-	-	3	15	5	7	-	-	-	-	-	-	-	-	-
21	-	-	30	-	-	-	-	6	8	16	-	-	-	-	-	-	-	-	-
Totals				-	-	-	4	39	33	44	-	-	-	-	-	-	-	-	-

TABLE XIVa - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY FOR JUNE, 1941

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
	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	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	0.1	0.4	..	..	..
2	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	0.1	..	..	1.8	..	..	..	..	0.1	..
3	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..
4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	0.3	..	..	..
5	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	0.2	1.2	..	0.3	..	..
6	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	0.2	..	..	..	..	..	0.1	..	0.4	0.3	..	0.6	..	0.2	..	..
7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.7	..	0.7	0.2	..	..	..	..	..	..
8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.4	..	..	..	..	..	0.6	..	0.5	..	..	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.5	..	..	..	..	..	..	..	..
10	..	..	0.2	..	..	..	..	..	..	..	..	..	0.9	..	..	..	..	..	6.4	..	..	..	3.1	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.1	..	..	..	..	..	..	0.8	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	0.5	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.8	..	..	..	0.1	..	..	..	0.1	..	0.1	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	0.1	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.6
16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.4
17	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..
18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.9	..	..	..	..
19	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.2	..	..	..	..	..	..	..
20	..	..	..	..	0.2	..	2.3	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	..	0.1	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.1	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.8	..	..
24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.9	..	0.1	..	..	..	0.1	..	..	..	..

TABLE XIVb - RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION , VACOAS, FOR JUNE 1941

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
	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	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.5	..	..	..	..	..	2.0	0.2	..	0.6	..	..	..	..	..	..
3	0.3	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16.5	..	..	0.1	..	..	..	..	..	..
4	0.2	..	..	..	..	..	0.4	..	..	..	..	0.4	..	..	0.1	..	..	..	..	..	..	..	0.1	0.1	0.1	0.2	..	..	..	..
5	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	0.5	0.1	..	..	..	..	..
6	..	..	..	..	..	..	0.2	..	..	..	..	..	..	0.2	0.1	..	..	..	..	..	..	..	0.1	0.2	..	..	..	..	..	..
7	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..
8	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	0.4	0.2	..	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.9	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	6.8	..	..	0.1	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.3	..	..	..	1.5	..	..	0.2	..	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	0.5	..	..	0.1	..	..	..	0.1	..	..	..	..	..	0.2	..	..	..	..	..
14	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	2.4	..	..	..	0.5	..	..	0.1	0.2	..	..	..	0.1	..	..	..
15	..	..	..	0.4	..	..	0.3	..	..	..	..	0.8	..	..	0.9	..	..	..	..	..	..	..	1.0	..	..	0.6	..	..	..	..
16	..	..	..	..	..	..	..	0.4	..	..	..	..	0.9	..	..	..	..	..	1.1	..	..	..	0.2	..	..	0.8	..	..	..	..
17	..	..	..	..	..	..	1.2	..	..	..	..	0.5	..	..	1.2	..	..	..	1.3	..	..	..	0.3	..	..	0.1	..	..	..	0.1
18	..	..	..	..	..	..	..	0.1	..	..	..	0.9	..	..	0.1	..	..	..	..	0.2	..	..	0.6	..	..	..	..	..	..	..
19	..	..	..	..	..	..	..	..	4.5	..	..	2.0	..	..	0.2	..	..	..	0.1	0.3	..	..	0.3	..	..	0.1	..	..	0.2	..
20	..	..	..	..	..	..	..	..	..	..	..	0.5	..	..	..	..	..	..	..	0.2	..	..	0.1	..	..	..	0.1	0.2	..	..
21	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	0.3	..	..	..	..	..	0.2	0.3	..	..	..
22	..	..	..	..	..	..	..	..	..	0.1	0.1	0.1	..	..	..	..	0.2	..	..	0.1	..	..	0.1	..	0.1	..	0.1	..	..	..
23	..	..	..	..	..	..	..	..	..	0.4	3.0	..	1.8	..	..	..	..	..	..	0.2	..	..	0.5	..	0.4	..	..	..	..	..
24	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	1.0	..	..	0.3	..	0.2	..	..	..	..	..

TABLE XV - TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR JUNE, 1941

RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20	1.78	45.2	2.41	10
	St Antoine	50	2.12	53.8	2.40	10
	Bel Mont	50	1.71	43.4	2.85	5
	Poudre d'Or	20	1.64	41.7	2.74	5
	Mon Loisir S.E.	300	2.14	54.4	3.91	17
	Forbach	300	1.21	30.7	2.55	8
	Couroupa	...	1.73	44.0	2.43	7
	Labourdonnais	290	1.56	39.5	3.02	10
	Mapou Water Office	...	1.27	32.3	...	4
	Beau Sejour	300	2.28	57.9	4.05	15
	Mont Piton	650	1.43	36.3	4.59	13
	Mon Choix	700	1.43	36.3	4.36	11
	Antoinette	640	3.56	90.4	4.20	16
	Mon Songe	620	3.28	83.3	4.48	17
	Botanical Gardens	325	1.33	33.9	3.01	21
	The Observatory	179	1.41	35.9	2.41	21
	Solitude	175	1.04	26.4	1.38	7
	St Andre (Cour)	90	...	...	1.87	..
	La Nicoliere	...	3.56	90.4	5.29	16
	California	...	3.64	92.5	...	13
	Australia	...	3.13	79.5	...	11
2 & 3	Union Regnard (Flacq S.E.)	600	4.64	117.9	5.04	15
	Constance d'Arifat (L.G.)	100	3.29	83.6	4.18	16
	Rich Fund	600	5.08	129.0	4.57	17
	La Joffrette	...	4.67	118.6	...	15
	Belle Vue (Allendy)	...	3.71	94.2	3.74	13
4	Sans Souci	900	10.56	268.2	10.46	20
	Beau Champ (G.R.S.E.)	20	...	...	4.10	..
	Olivia	400	...	...	6:03	..
	Trois Ilots	...	....	...	...	..
	Belle Rive	400	...	...	6.27	..
	Sebastopol	700	...	...	...	..
	Bonne Veine	400	7.06	179.3	6.55	20
5	Rose Belle	850	...	...	8.31	..
	New Grove	650	5.77	146.6	9.60	19
	Mon Tresor	...	6.89	175.0	...	15
	Mon Desert (Carie)	75	2.62	66.5	3.78	12
	Ferney	20	5.15	130.8	6.20	14
	Sauveterre	...	2.84	72.1	...	11
	Tivoli	1300	9.01	228.9	9.35	19
	La Flora	1050	8.12	206.2	8.16	20
	Riche Bois (Brit.)	650	3.89	98.8	5.87	16
	Britannia (Estate)	700	4.87	123.7	8.19	18
6	Savannah Mill	200	2.65	67.3	4.81	14
	St Aubin	300	2.90	73.7	4.94	12
	St Avold	900	6.26	159.0	7.72	19
	Colmar	400	5.64	143.3	6.79	18
	Union S.E.	..	4.10	104.1	3.37	10
	Fontenelle	320	3.04	77.2	4.61	10
	Choisy	200	1.98	50.3	3.18	9
	Beau Bois	...	6.99	177.5	...	18
	Bel Air	...	3.41	86.6	3.42	8
	St Felix	...	4.90	124.5	...	8
7, 8, 9 & 10	BelOmbre	40	2.48	63.0	3.64	14
	Beau Champ (B. du Cap)	70	2.94	74.7	2.79	14
	Frederica	...	2.71	68.8	3.27	13
	Pierrefonds	...	1.68	42.7	1.11	12
	Ste. Marie	...	3.48	88.4	...	13
	Hussonia	...	...	...	...	..
11	Curepipe Gardens	1840	4.79	121.6	7.55	20
	Mare aux Vacoas (G.E.)	1850	5.01	127.3	7.79	24
	Mare aux Vacoas (Arnaud)	1830	7.96	202.2	10.62	24
	La Marie Filter Beds	1700	4.14	105.2	6.01	22
	Sophie	...	...	...	...	..
	Reunion	1420	3.41	86.6	4.60	16
	Aerological Station	1393	2.91	74.0	3.85	24
	Phoenix	...	2.87	72.9	...	6
	Quatre Bornes	...	1.47	37.3	...	7
12	Quatre Bornes (Board)	1090	1.35	34.3	...	3
	Le Reduit (D. of A.)	1000	2.46	62.4	2.33	30
	Alma	1460	6.35	161.3	7.84	17
	Bagatelle	1250	3.28	83.3	4.33	11
	Highlands	1300	3.54	89.9	4.78	10
	Trianon	950	1.59	40.4	2.71	8
	Val Ory	1100	...	...	3.10	..
	Bassin	...	1.65	41.9	1.35	7
	Hermitage	1450	3.85	97.8	7.10	11
	Ebene	...	2.39	60.7	...	12
	Bega	...	1.71	43.4	...	10
	Mon Reve	...	2.31	58.7	...	12
	Mont Pevril	...	2.00	50.8	...	11
	Minissy	1150	2.92	74.2	3.00	12
	Plaisance	...	3.24	82.3	...	10
	La Ferme	350	0.28	7.1	1.35	4
13	Line Barracks	...	.93	23.5	...	10
	Tobacco Research Station(Richelieu)	...	.48	12.4	...	7

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE AEROLOGICAL STATION, VACOAS, 424.5 METRES ABOVE SEA LEVEL, DURING THE MONTH OF JUNE, 1941

Type		St & Fs		Cumulus Cu.St & c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus			St. & Fs.		Cumulus Cu.St. & c.		Alto. Cu. Alto. St.		Cirro Cumulus		Cirro Stratus		Cirrus	
Day	Time	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height		Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height
										N I L																

NEW SERIES (MONTHLY) VOL. XVII PART VII

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ROYAL ALFRED OBSERVATORY

LATITUDE 20°5' 39"S., - LONGITUDE 3h 50m 12.6"

RESULTS OF MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JULY, 1941

N.R. Mc CURDY, B.Sc. F.R. MET. SOC.

DIRECTOR

PUBLISHED IN 1965 BY

E.G.DAVY, O.B.E., B.Sc., F.S.S.

DIRECTOR OF METEOROLOGICAL SERVICES, MAURITIUS

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TABLE I - RESULTS OF MAGNETICAL OBSERVATIONS MADE DURING THE MONTH OF JULY, 1941

Month and Day 1941	Mean Declination (West)	Mean Horizontal Force (C.G.S.) Units	Mean Vertical Force (C.G.S.) Units	Daily Range + Declination	Daily Range + Horizontal Force Unit γ	Daily Range + Vertical Force Unit γ	H.R.h : 10,000	Z.R.z.: 10,000
JULY								
1	14°10'.1	.22420	.29896	3.7	37	13	83	39
2	10.2	410	893	5.5	29	27	65	81
3	10.4	...	896	4.5	..	14	..	42
4	...	...	895	...	..	22	..	66
5	...	...	...	...	..	..	..	..
6	...	252	951	...	125	23	280	69
7	...	341	927	...	70	17	157	51
8	10.6	343	922	4.5	38	27	85	81
9	10.8	365	916	3.5	21	28	47	84
10	10.7	375	914	4.2	58	23	130	69
11	10.5	375	913	3.5	53	24	118	72
12	10.5	375	914	4.0	47	24	105	72
13	10.5	393	909	3.5	39	26	87	78
14	10.3	395	913	3.5	27	12	61	36
15	10.3	402	912	3.7	24	15	54	45
16	...	408	907	...	61	18	137	54
17	10.7	400	911	2.3	30	5	67	15
18	10.0	399	910	5.5	13	12	29	36
19	10.7	406	912	5.5	21	13	47	39
20	10.3	404	911	2.5	28	12	63	36
21	10.4	384	915	6.7	121	18	271	54
22	10.8	376	916	4.5	34	21	76	63
23	10.4	384	913	3.2	29	19	65	57
24	10.4	393	913	5.3	36	26	81	78
25	10.6	399	909	5.5	57	29	127	87
26	...	401	909	...	19	33	42	98
27	10.1	410	908	7.7	27	40	61	119
28	10.1	409	908	6.0	22	50	49	149
29	10.1	418	905	7.0	18	28	41	84
30	10.1	416	907	10.0	29	43	65	128
31	09.9	419	905	8.2	29	23	65	69
Mean	14° 10'.38	.22388	.29911	4.96	40.8	22.8	91.4	68.3

Description of the Principal Magnetic Disturbances

Horizontal Force : 1st - very slightly disturbed. 4th - moderately disturbed during second half. This is the gradual onset of a most violent disturbance culminating on the 5th 14h - 21h - the trace is moderately disturbed with mostly irregular features until the 5th at 11h 50m when considerable decrease in force takes place, exceeding 325 γ (part of the trace at maximum is lost). Large rapid shifts in force (50 γ) at times on the fluctuating trace. The after effects of this storm are conspicuous throughout the 6th and 7th which remain moderately disturbed. 6th - double wave 60 γ between 0h and 2h succession of minor (25 γ - 30 γ) waves (positive) at 17h 45m., 20h & 23h. 7th two large bays (positive : 50 γ - 60 γ) between 4h and 6h and between 8h and 11.45 . Rapid pulsations on the rest of the trace. 8th - slightly distrubed. 9th - at end 10th and first part of 11th : slightly disturbed. Small pulsations at first followed by irregular features. 11th - small bay (positive : 40 γ) between 0h 30m and 2h. 12th - negative wave (20 γ) between 16h and 18h. 16th and 17th slightly disturbed. 21st moderately disturbed. Important increase in force until 8h followed by large decrease ; (total range range 122 γ), with small pulsations superposed. 24th slightly disturbed. Small irregular features. 25th: Moderately disturbed. Gradual increase in force from 4h to 9h40m followed by sudden decrease. Total amplitude 55 γ .

T = .37362 : Mean Dip = 53° 11'.14 : X = .21707 : Y = -.05482 : Z = .29911

\+ The daily range is the difference between the greatest and least hourly values

TABLE II - RESULTS OF ABSOLUTE DETERMINATIONS OF THE MAGNETIC ELEMENTS DURING THE MONTH OF JULY, 1941

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. 36	14. 09. 77	3. 11. 52	.22427	4. 15. 05	53. 08.31	.29884
12. 9. 30	14. 11. 3	9. 11. 57	.22369	12. 9. 48	53. 10.00	.29897
15. 14. 38	14. 08. 8	11. 12. 21	.22398	15. 14. 48	53. 09.31	.29900
22. 14. 59	14. 08. 2	17. 12. 01	.22412	22. 15. 10	53. 11.13	.29904
		24. 11. 41	.22380			
		28. 9. 32	.22415			
		31. 9. 43	.22435			

TABLE III - MAGNETIC DECLINATION (WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

J U L Y, 1941

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
								14° +									
Midnight	103	105	105		140			110	107	110	110	110	100	100	100		Midnight
1	100	103	105		150			117	110	100	093	107	100	100	100		1
2	100	105	102		120			115	110	097	110	107	100	100	100		2
3	100	105	102		115			115	110	100	110	105	100	100	100		3
4	090	100	103		115			110	110	087	115	110	100	100	100		4
5	090	103	100		095			112	110	100	115	110	100	100	095		5
6	095	102	100		070			110	105	110	110	110	100	095	090		6
7	097	087	095		050		040	097	105	110	100	100	095	095	085		7
8	097	095	100		060		030	100	100	110	093	105	095	090	090		8
9	095	115	115		095		050	113	120	110	095	110	095	097	100		9
10	097	122	123	100	105		080	120	125	110	105	120	107	115	112		10
11	103	122	125	110	100		090	110	115	110	095	110	115	125	117	120	11
Noon	107	117	120	123	123		090	097	105	100	090	080	125	115	115	125	Noon
13	110	100	105	115	110		083	090	095	095	087	080	120	095	110	107	13
14	105	080	095	100	050		087	085	090	085	090	085	100	090	090	100	14
15	090	067	080	095	100		093	075	090	087	090	085	090	097	085	095	15
16	080	070	080	080			097	085	090	090	090	090	090	095	087	097	16
17	095	090	095	090			110	10[illegible]	105	105	100	105	100	103	100	105	17
18	107	100	102	100			117	115	110	120	115	115	110	110	110	115	18
19	113	107	110	107			120	117	115	125	117	120	120	115	117	120	19
20	115	113	107	107			120	110	116	125	120	120	117	122	120	123	20
21	117	115	110	110			117	115	117	127	122	117	116	110	120	120	21
22	115	113	112	120			115	113	115	120	120	115	115	107	120	120	22
23	110	110	107	130			117	115	110	125	117	110	103	105	115	115	23

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
								14° +									
Midnight	110	105	105	105	110	130	107	105	105		100	100	100	100	100	106	Midnight
1	100	107	103	103	110	125	105	107	105		100	097	100	100	100	104	1
2	100	103	103	103	107	120	105	105	105		097	097	097	097	097	103	2
3	105	100	100	100	110	120	103	105	110		100	095	100	095	100	104	3
4	110	100	100	100	105	120	107	097	103		100	100	100	090	095	102	4
5	105	097	103	100	100	110	110	100	105		100	100	100	097	100	102	5
6	100	090	100	100	095	100	110	095	100		100	100	100	095	100	100	6
7	100	085	080	095	065	095	097	085	095	083	090	090	095	087	095	093	7
8	105	090	083	095	063	097	093	093	100	090	095	095	100	095	100	096	8
9	100	100	100	107	100	100	115	110	110	105	110	110	115	107	105	106	9
10	100	110	120	113	100	105	100	130	130	117	130	125	130	127	135	116	10
11	115	120	135	110	105	105	100	133	135	127	137	127	125	140	137	119	11
Noon	117	115	125	100	110	110	100	120	115	120	120	115	123	150	110	112	Noon
13	117	095	127	090	080	100	097	095	095	095	100	115	105	125	085	101	13
14	107	080	120	090	085	095	097	083	085	070	070	070	100	075	080	070	14
15	105	065	100	090	100	085	085	080	080	055	060	070	060	050	055	081	15
16	100	067	095	097	100	085	085	080	085	057	067	067	063	055	060	082	16
117	100	095	100	100	105	100	095	095	100	090	095	090	085	080	080	097	17
18	097	110	110	110	115	107	110	107	110	107	110	095	105	105	103	108	18
19	117	115	110	115	123	110	115	115	113	110	115	107	113	107	110	114	19
20	120	115	115	115	125	127	117	113	115	110	115	110	113	110	115	116	20
21	120	113	115	113	123	115	115	113	115	110	110	110	110	113	115	116	21
22	120	110	113	110	123	115	115	115	110	105	107	110	107	110	107	114	22
23	110	110	107	113	130	115	110	105	105	100	105	105	105	105	105	110	23

TABLE IV - MAGNETIC HORIZONTAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROMTHE PHOTOGRAPHIC RECORDS

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

JULY, 1941

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

Hour \ Day	1	2	3	✱4	÷5 ⊕	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	413	407	409		343	180	310	347	357	370	357	369	380	381	390	400	Midnight
1	412	407	405		360	180	311	340	355	385	370	373	380	383	393	400	1
2	413	410	407		370	205	316	329	355	384	368	373	385	386	396	401	2
3	417	407	406		380	216	320	343	358	385	367	375	387	389	393	403	3
4	425	408	406		382	225	323	350	360	399	362	377	390	391	395	405	4
5	427	409	410		415	233	365	351	360	401	369	378	390	393	399	412	5
6	424	409	415		407	242	340	352	362	400	372	380	395	396	401	417	6
7	425	413	420		248	330	357	371	395	376	382	400	403	410	418	404	7
8	433	423	432		402	253	327	363	375	392	379	388	407	408	412	421	8
9	447	427	431		415	260	365	365	375	391	395	392	417	407	412	438	9
10	445	424	432	437	400	262	380	363	374	392	410	391	418	405	408	428	10
11	433	416	428	431	315	270	365	350	376	379	403	373	415	405	407	413	11
Noon	427	410	428	417	253	271	340	335	374	365	393	376	417	408	412	416	Noon
13	413	415	425	415	200	280	350	340	367	367	393	372	410	406	414	415	13
14	411	417	427	416	220	265	350	336	364	373	380	371	400	400	412	417	14
15	410	412	429	409	120	255	348	333	360	375	369	365	390	393	400	415	15
16	410	402	417	392		239	340	330	363	374	362	360	383	392	393	409	16
17	410	398	430	395		245	339	333	355	369	363	345	380	389	390	408	17
18	415	400	427	400		250	340	326	355	363	367	365	380	390	399	410	18
19	415	403	426	402		260	337	333	361	358	368	374	381	389	402	403	19
20	416	405	412	397		390	340	328	365	354	368	375	381	391	403	402	20
21	414	406	403	380	120	275	338	327	372	345	369	377	379	390	402	393	21
22	412	409		372	155	280	350	341	371	347	366	376	379	399	403	377	22
23	410	410		353	160	305	341	350	370	343	367	378	380	389	400	380	23

✱ gaslight failed ⊕ heavily disturbed

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	385	392	397	401	398	360	381	380	390	391	398	406	409	410	408	388	Midnight
1	400	392	400	401	412	370	385	384	392	393	401	406	409	410	407	380	1
2	395	395	399	399	405	365	387	385	395	397	400	407	410	410	410	381	2
3	395	397	400	410	407	370	390	392	391	395	405	410	410	411	410	384	3
4	390	399	402	387	412	373	390	415	396	397	405	413	413	417	420	387	4
5	390	400	403	405	409	380	390	410	400	399	407	411	418	419	420	391	5
6	403	402	408	406	418	385	386	412	405	401	409	412	419	422	428	393	6
7	404	404	415	410	435	383	390	415	415	407	403	415	423	420	429	396	7
8	412	405	417	413	451	389	393	410	430	409	420	420	425	435	432	401	8
9	410	404	415	407	435	375	400	403	443	409	425	416	427	437	436	405	9
10	415	402	411	409	380	397	399	420	410	425	412	423	434	433	419	403	10
11	412	401	409	415	400	378	390	397	398	410	423	413	425	430	433	396	11
Noon	405	401	418	412	383	380	387	385	393	409	420	412	422	416	421	393	Noon
13	405	402	415	400	350	383	381	400	401	405	413	400	421	411	422	391	13
14	403	399	409	403	335	383	390	389	397	408	419	401	426	415	421	389	14
15	397	400	410	409	330	381	385	391	395	403	423	404	427	417	420	386	15
16	393	399	403	405	341	385	379	389	393	397	414	398	418	415	416	382	16
17	395	399	400	395	345	375	377	385	387	393	407	400	413	409	411	379	17
18	400	400	404	398	355	368	371	380	390	395	407	408	417	410	411	381	18
19	395	400	403	403	359	365	371	385	387	400	406	411	417	410	411	382	19
20	393	399	400	402	363	355	379	380	387	401	404	411	418	410	415	383	20
21	397	396	397	396	362	369	375	379	386	401	404	412	416	411	413	382	21
22	402	397	397	400	355	376	377	380	387	399	403	412	418	410	413	383	22
23	395	395	400	400	350	380	379	385	390	398	403	410	409	408	412	383	23

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

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

JULY, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	895	897	897	894	909	964	937	924	921	918	919	919	916	913	914	911	Midnight
1	896	898	898	895	910	963	933	923	921	915	917	916	915	913	915	911	1
2	895	899	898	895	904	956	932	923	921	913	915	915	914	912	913	911	2
3	895	898	898	895	903	956	931	923	921	912	914	915	913	911	912	911	3
4	893	897	898	896	905	953	930	922	921	910	915	914	912	911	912	911	4
5	892	897	897	896	899	951	921	923	921	912	915	914	911	911	912	910	5
6	893	896	896	895	900	952	920	925	921	913	915	914	911	911	911	910	6
7	891	893	895	893	899	952	923	923	920	910	913	912	909	909	908	909	7
8	892	895	896	893	900	953	930	926	923	915	914	916	911	910	910	909	8
9	893	899	900	892	910	953	932	926	927	921	919	921	913	913	917	910	9
10	899	900	900	894	901	955	927	902	924	921	914	920	913	918	921	910	10
11	897	898	901	893	900	955	923	914	918	920	903	910	911	921	919	913	11
Noon	898	889	898	891	907	953	925	915	915	915	902	897	906	916	911	905	Noon
13	897	881	890	884	910	951	920	913	905	909	896	900	900	910	907	899	13
14	889	874	889	886	903	952	921	913	901	898	896	905	891	909	906	895	14
15	887	874	887	885	945	947	921	915	899	900	902	904	890	910	906	895	15
16	886	873	891	887	961	947	925	920	902	906	909	910	900	911	907	899	16
17	891	891	896	894		952	930	922	910	913	912	917	906	912	911	903	17
18	895	896	897	900		950	931	929	917	917	917	919	911	913	913	906	18
19	895	896	896	900		945	931	929	910	919	918	918	911	913	912	907	19
20	895	897	896	899		947	931	929	910	921	919	918	912	913	912	908	20
21	896	897	896	901		945	930	929	921	921	920	918	913	913	911	909	21
22	896	896	895	903	983	943	930	926	920	920	920	918	913	914	911	911	22
23	897	896	894	906	975	941	927	926	920	921	919	917	913	914	911	911	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	911	911	911	910	910	920	915	916	914	913	912	911	911	911	911	914	Midnight
1	910	911	911	910	909	916	913	915	913	912	912	911	911	910	910	913	1
2	911	911	912	911	910	917	913	913	911	911	911	910	910	910	910	913	2
3	910	911	912	911	910	917	911	913	911	911	910	909	910	909	909	912	3
4	911	911	913	911	909	917	913	910	911	911	910	909	909	909	909	912	4
5	911	911	913	912	910	917	913	911	912	911	910	909	909	907	907	911	5
6	910	911	912	913	909	917	913	910	911	911	910	909	909	909	909	912	6
7	908	908	909	911	905	916	915	910	910	911	909	907	906	903	903	908	7
8	909	910	910	913	905	919	919	915	912	915	911	912	909	909	908	912	8
9	910	913	917	917	913	921	921	920	912	921	919	921	913	915	911	916	9
10	913	916	921	919	917	923	920	925	913	921	922	929	915	922	911	917	10
11	912	914	921	914	917	921	910	921	915	917	923	921	912	925	909	915	11
Noon	912	910	916	909	920	907	909	916	904	906	915	910	900	920	896	909	Noon
13	910	906	913	908	921	911	909	907	891	893	900	897	891	896	888	903	13
14	908	905	911	910	918	909	908	900	887	890	886	883	887	882	890	900	14
15	910	904	909	907	916	902	903	899	890	888	883	879	889	883	898	899	15
16	911	907	908	915	907	902	901	897	893	887	889	891	893	903	908	903	16
17	911	913	910	910	919	913	909	908	907	904	899	901	899	905	907	909	17
18	913	913	913	913	923	918	915	913	912	911	907	909	905	911	908	913	18
19	912	912	912	913	923	920	917	915	913	911	909	910	906	909	907	913	19
20	912	912	912	912	922	923	918	917	915	912	911	911	907	909	907	914	20
21	911	911	911	911	921	921	919	917	916	913	912	911	908	909	907	914	21
22	911	911	911	911	921	918	918	918	915	913	912	911	909	909	908	914	22
23	910	910	910	911	920	917	917	915	915	912	912	912	910	910	908	903	23

TABLE VI - RESULTS OF METEOROLOGICAL OBSERVATIONS MADE AT THE AEROLOGICAL STATION, VACOAS (424.5 metres above mean sea level) DURING THE MONTH OF JULY, 1941

Month and Day 1941	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	Direction	Velocity	Amount of Cloud (Scale 0 - 10)	3h	9h	15h	21	Daily Maximum	Daily Minimum	Daily Range	Amount recorded by the Casella Pluviograph	Duration	Duration of Bright Sunshine	Percentage of Possible Sunshine
JULY	mbs	°C	°C	°C	%	mbs	°	m.p.h.		°C	°C	°C	°C	°C	°C	°C	mms	mins	hrs	%
1	974.4	19.8	1.7	17.0	84	19.4	125	2.2	8	17.8	19.2	19.1	17.4	22.5	17.4	5.1	8.7	345	2.9	27
2	973.0	19.5	2.5	15.3	77	17.4	130	3.1	6	17.0	18.8	19.9	16.5	21.4	16.8	4.6	2.2	120	10.0	92
3	971.1	20.2	3.6	14.0	68	16.0	CALM		1	15.0	19.2	21.8	15.2	22.6	15.0	7.6	...	...	9.3	86
4	970.1	19.2	3.3	13.4	70	15.4	CALM		0	13.6	16.9	21.8	16.8	22.8	11.8	11.0	1.7	205	9.1	84
5	971.4	19.7	1.8	16.9	84	19.2	110	5.4	7	17.0	19.0	20.3	17.2	21.5	16.8	4.7	1.4	55	9.8	90
6	972.7	19.9	2.0	16.6	82	18.9	120	4.0	6	16.9	19.2	20.1	16.0	21.5	16.6	4.9	...	...	10.3	95
7	974.9	18.1	0.7	16.9	93	19.2	135	1.3	9	14.9	18.0	17.2	16.1	19.7	14.9	4.8	1.1	25	6.4	59
8	976.3	17.8	0.8	16.5	93	18.8	130	4.5	8	14.3	16.2	18.7	15.0	19.4	14.3	5.1	3.5	115	6.7	73
9	973.6	18.0	1.9	14.7	82	16.7	120	7.6	7	14.0	17.5	17.8	15.5	20.6	14.0	6.6	16.3	240	6.4	59
10	969.9	18.4	1.0	16.7	90	19.0	135	4.5	8	15.2	17.3	18.8	17.0	20.9	14.9	6.0	16.5	310	4.7	42
11	966.9	20.9	1.9	17.8	83	20.4	CALM		7	...	...	20.9	...	23.1	16.0	7.1	8.4	125	2.9	27
12	967.8	19.8	1.3	17.7	88	20.3	CALM		9	...	19.4	21.4	17.0	23.1	14.1	9.0	0.4	20	5.3	49
13	967.8	18.2	0.5	17.4	96	19.9			5	16.4	17.6	21.9	16.0	23.1	15.8	7.3	...	...	4.5	41
14	970.5	19.9	2.0	16.6	82	18.9	180	2.7	4	13.8	18.9	21.3	17.1	22.5	13.8	8.7	...	...	10.3	94
15	973.1	19.3	1.6	16.6	85	18.9	130	4.5	8	16.4	18.1	18.3	16.6	20.6	15.3	5.3	1.5	55	7.9	72
16	975.1	17.0	0.8	15.6	91	17.7	115	8.5	8	16.3	16.6	19.9	17.5	20.7	15.9	4.8	9.5	585	7.1	65
17	975.1	18.8	0.7	17.7	94	20.3	95	6.3	10	17.4	18.1	18.7	16.1	19.6	17.0	2.6	14.8	680	0.2	2
18	974.0	19.0	2.2	15.3	79	17.4	90	8.9	8	17.6	18.7	20.7	18.3	21.3	17.3	4.0	3.2	120	8.1	74
19	974.7	18.9	0.8	17.6	92	20.1	90	8.5	9	18.1	18.3	20.3	18.3	21.8	17.8	4.0	4.1	275	7.6	69
20	974.2	19.5	0.8	18.2	92	20.9	90	7.2	10	17.9	18.6	19.0	17.6	20.3	17.3	3.0	7.9	330	2.4	22
21	974.1	19.7	1.3	17.6	87	20.1	125	3.1	10	17.1	18.4	19.2	18.5	21.0	16.9	4.1	3.2	180	0.7	7
22	974.6	18.8	0.8	17.5	93	20.0	120	4.5	10	18.3	18.5	20.6	18.1	21.7	17.8	3.9	7.3	485	4.5	41
23	974.7	19.8	2.7	15.3	75	17.4	90	9.0	5	17.8	19.1	20.3	17.8	21.3	16.6	4.7	2.6	75	7.4	67
24	975.2	20.3	3.4	14.5	70	16.5	90	8.1	4	17.3	19.5	20.5	17.8	22.3	16.8	5.5	0.7	55	9.1	82
25	975.1	19.7	3.0	14.6	73	16.6	105	6.3	4	16.1	19.4	20.8	16.4	21.6	15.6	6.0	1.7	80	8.9	81
26	973.8	20.2	2.6	15.9	76	18.1	115	2.2	4	15.4	19.6	20.5	18.1	22.6	14.6	8.0	1.0	45	9.5	86
27	972.5	20.4	2.7	15.9	75	18.1	80	6.5	5	17.3	19.8	20.9	17.8	22.3	16.6	5.7	1.6	65	9.6	87
28	972.1	20.4	3.1	15.2	72	17.3	110	4.5	4	16.8	20.1	19.9	18.3	23.3	16.2	7.1	...	..	9.7	88
29	972.4	21.6	2.7	17.2	76	19.6	85	0.9	6	17.9	20.9	22.5	18.9	23.5	17.1	6.4	0.4	10	9.6	87
30	971.6	20.9	2.1	17.5	81	20.0	60	1.8	5	18.4	20.4	22.6	18.1	23.7	17.8	5.9	0.2	20	8.5	77
31	972.3	20.5	1.8	17.6	84	20.1	95	1.8	8	18.1	20.2	21.7	18.8	22.6	17.8	4.8	2.4	75	8.7	79
Mean	972.7	19.5	1.9	16.4	82,8	18.7	...	4.1	6.5	16.6	18.7	20.2	17.3	21.8	16.0	5.8	122.3	4695	70.4	64.6
Average	972.0	18.8	2.0	15.5	80.7	17.6	...	4.8	5.8	...	...	...	...	20.9	14.9	5.9	120.9	...	...	...
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	+ 41.5 mbs
Temperature of the Air	+ 1.1 °C
Vapour Pressure	+ 0.2 mbs
Relative Humidity	- 4.9 %
Velocity of Wind	- 0.8 m.p.s.
Amount of Cloud	- 2.8
Greatest Rainfall Intensity	2.1 mms in 5 mins.
Amount of Rain	- 70.8 mms
Duration of Sunshine	+ 1.59 hrs
Mean of Maximum Temperatures	+ 3.0 °C
Mean of Minimum Temperatures	+ 1.4 °C
Absolute Maximum Temperature	+ 2.2 °C
Absolute Minimum Temperatures	+ 1.5 °C

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF JULY, 1941

Month and Day 1941	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 Dines Pluviograph	Duration		
JULY	mbs	mbs	°C	°C	°C	°C	°C		°C	°C	%	%	mbs	°C	mms	min	mms	
1	1015.8	+ 2.1	25.7	17.1	8.6	21.0	+ 1.0	2.3	17.2	+ 1.2	76	- 1	19.6	13.9	0.8	100	2.8	3.8
2	1014.4	+ 0.6	24.9	17.4	7.5	20.9	+ 0.9	2.9	16.2	+ 0.2	74	- 3	18.4	11.0	0.0	...	3.6	1.7
3	1012.0	- 1.9	24.9	15.0	9.9	19.5	- 0.5	2.9	14.6	- 1.4	73	- 4	16.6	11.1	0.0	...	4.5	1.1
4	1012.1	- 1.8	25.1	13.3	11.8	19.3	- 0.7	2.7	14.7	- 1.3	75	- 2	16.7	11.2	0.3	30	4.6	2.3
5	1013.1	- 0.8	24.2	18.0	6.2	20.7	+ 0.7	2.3	16.9	+ 1.9	79	+ 2	19.2	15.0	0.0	...	3.6	3.9
6	1014.7	+ 0.7	25.0	17.8	7.2	20.6	+ 0.6	2.9	15.8	- 0.2	74	- 3	17.9	16.8	0.0	...	3.4	2.0
7	1016.9	+ 2.9	23.5	15.1	8.4	18.9	- 1.0	2.9	14.0	- 1.9	74	- 3	16.0	10.8	0.0	...	3.9	2.2
8	1017.3	+ 3.3	23.1	17.1	6.0	19.7	- 0.2	4.2	12.2	- 3.7	62	- 15	14.2	13.8	0.0	...	4.3	3.2
9	1014.9	+ 0.8	23.9	15.7	8.2	19.1	- 0.8	2.5	14.9	- 1.0	77	0	16.9	14.8	4.9	150	4.8	4.6
10	1010.1	- 4.0	24.3	17.0	7.3	20.0	+ 0.1	2.3	16.2	+ 0.3	79	+ 2	18.4	16.3	0.2	20	3.8	3.9
11	1007.8	- 6.3	25.3	16.4	8.9	20.5	+ 0.6	1.9	17.4	+ 1.5	83	+ 6	19.9	12.7	0.7	45	2.5	4.7
12	1008.5	- 5.6	25.1	16.2	8.9	20.3	+ 0.5	1.9	17.2	+ 1.4	82	+ 5	19.6	12.5	4.1	70	3.4	3.4
13	1009.2	- 4.9	25.1	16.0	9.1	19.9	+ 0.1	1.8	17.0	+ 1.2	84	+ 7	19.4	12.8	0.0	...	3.2	3.2
14	1012.2	- 1.9	25.7	15.1	10.6	20.1	+ 0.3	3.0	15.0	- 0.8	73	- 4	17.1	10.9	0.0	...	3.8	1.3
15	1015.3	+ 1.2	25.2	17.1	8.1	20.4	+ 0.6	2.9	15.5	- 0.3	73	- 4	17.6	12.4	0.0	...	4.0	2.4
16	1016.3	+ 2.2	24.1	18.8	5.3	21.0	+ 1.2	2.6	16.7	+ 0.9	76	- 1	19.0	16.8	1.5	95	4.2	4.7
17	1016.2	+ 2.1	23.9	20.0	3.9	21.4	+ 1.6	1.8	18.5	+ 2.7	84	+ 7	21.3	18.2	8.3	240	3.6	8.4
18	1016.1	+ 2.0	24.6	20.0	4.6	21.9	+ 2.1	2.8	17.4	+ 1.6	76	- 1	19.9	18.2	0.9	35	3.6	5.8
19	1016.6	+ 2.5	25.0	20.0	5.0	21.9	+ 2.1	2.4	18.1	+ 2.5	79	+ 2	20.8	18.6	4.6	145	4.1	5.3
20	1016.0	+ 1.9	24.0	19.2	4.8	20.9	+ 1.1	0.5	20.1	+ 4.5	95	+ 18	23.5	19.7	8.2	160	4.3	5.9
21	1015.6	+ 1.5	24.3	18.7	5.6	20.9	+ 1.1	1.7	18.2	+ 2.6	85	+ 8	20.9	16.9	0.7	70	1.6	5.5
22	1016.1	+ 2.0	24.6	19.0	5.6	21.0	+ 1.3	1.5	18.6	+ 3.1	86	+ 9	21.4	16.0	5.0	230	2.7	5.3
23	1016.8	+ 2.7	24.7	18.0	6.7	21.3	+ 1.6	3.1	16.2	+ 0.7	73	- 4	18.4	15.0	0.4	40	3.6	4.5
24	1017.1	+ 3.0	25.2	19.0	6.2	21.2	+ 1.5	3.0	16.3	+ 0.8	73	- 4	18.5	17.2	2.0	70	4.4	4.8
25	1016.5	+ 2.4	24.9	16.7	8.2	20.5	+ 0.8	3.3	14.9	- 0.6	70	- 7	16.9	14.9	0.7	15	4.7	2.7
26	1015.0	+ 0.9	25.2	15.6	9.6	20.3	+ 0.6	2.5	16.1	+ 0.6	77	0	18.3	11.6	0.1	10	3.8	2.6
27	1013.8	- 0.3	25.0	18.3	6.7	21.0	+ 1.3	2.5	16.9	+ 1.4	77	0	19.2	16.1	4.3	80	4.2	3.6
28	1013.2	- 0.9	23.2	16.9	8.3	20.9	+ 1.2	2.5	16.8	+ 1.3	77	0	19.1	12.8	0.0	..	4.5	1.7
29	1012.9	- 1.2	25.6	19.0	6.6	21.5	+ 1.8	1.8	18.6	+ 3.1	84	+ 8	21.4	16.2	0.2	10	4.0	3.2
30	1012.8	- 1.3	25.2	18.9	6.3	21.3	+ 1.6	1.9	18.2	+ 2.7	83	+ 7	20.9	16.6	3.5	75	3.5	3.8
31	1013.9	- 0.2	25.9	17.1	8.8	21.1	+ 1.4	1.9	18.0	+ 2.5	82	+ 6	20.6	12.9	0.1	5	3.4	2.4
Mean	1014.2	+ 0.1	24.8	17.4	7.4	20.6	+ 0.8	2.4	16.6	+ 0.9	77.9	+ 1.0	18.9	14.4	Sum 51.5	Sum 1695	3.8	3.7
Average	1014.1	...	23.7	16.5	7.2	19.8	...	2.5	15.7	...	76.9	...	17.8	13.1	69.6	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, 1941

The usual anticyclonic conditions prevailed during most of the month except on the 10th - 12th when an easterly wave in the trade winds deepened whilst passing over Mauritius. It was, however, not accompanied with any pronounced weather other than scattered showers and most meteorological elements were near normal for the season.

TABLE VII (Cont'd) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF JULY, 1941

Month and Day 1941	Duration of Bright Sunshine	Percentage of Possible sunshine	Observed Velocity Mean	Observed 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
JULY									
1	7.0	64	2.3	- 1.5	25.4	25.1	23.9	23.5	b bc c bc bcro bro
2	10.4	95	3.8	0.0	25.4	25.1	23.8	23.2	b bc c bc bcro bro
3	10.5	96	2.0	- 1.8	25.4	25.1	23.7	23.2	bo b bc b bo
4	10.0	92	2.0	- 1.8	25.4	25.1	23.6	23.0	bo b cro oro
5	6.8	62	3.0	- 0.8	25.4	25.1	23.5	23.0	b bc c bc b
6	8.5	78	2.9	- 0.9	25.4	25.0	23.5	22.8	b bc bc bo
7	8.9	82	2.8	- 1.0	25.3	25.0	23.4	22.7	bo b bc b
8	10.1	93	5.0	+ 1.2	25.3	25.0	23.2	22.3	bc b
9	7.9	72	3.4	- 0.4	25.3	25.0	23.1	22.2	bro bcro cro bc b
10	9.0	83	3.1	- 0.7	25.3	24.9	23.0	22.2	bro b bc bcro bc b
11	9.2	84	1.6	- 2.2	25.3	24.9	23.0	22.4	b cro bc b
12	9.8	89	1.8	- 2.0	25.3	24.9	23.0	22.3	bro b bro b bc bro
13	7.6	69	1.8	- 2.0	25.3	24.9	23.0	22.6	b bc bo
14	9.6	87	2.5	- 1.3	25.3	24.8	23.0	22.6	bo b bc b bo
15	9.1	83	3.8	0.0	25.3	24.8	23.0	22.4	bo b bc b bo
16	9.6	87	5.3	- 1.5	25.2	24.8	23.0	22.5	bro bcro b bc b bc cro o
17	2.7	25	5.3	+ 1.5	25.3	24.8	22.9	22.5	o oro o cro bcro
18	8.7	79	5.9	+ 2.1	25.2	24.8	22.8	22.5	bcro bcqo c o
19	8.2	75	4.7	+ 0.9	25.2	24.6	22.8	22.6	bcro bc bcro
20	5.3	48	3.8	0.0	25.2	24.7	22.9	22.7	bcro b bcro bc c bcro b
21	4.1	37	3.1	- 0.7	25.3	24.7	23.0	22.8	bcro bc c bc bcro bro b
22	7.6	69	3.5	- 0.3	25.2	24.7	23.0	22.8	b bcro bc bcro bc
23	9.5	86	4.6	+ 0.8	25.2	24.7	23.0	23.0	oro bc b bc b bro
24	8.8	79	4.2	+ 0.4	25.2	24.7	23.0	22.9	b bcro bc bcro
25	10.2	92	3.6	- 0.2	25.2	24.6	23.1	22.8	bcro b bc b bo
26	10.1	91	2.7	- 1.0	25.2	24.6	23.1	22.6	bo b bc b bro
27	10.2	92	3.4	- 0.3	25.1	24.6	23.0	22.7	bcro b
28	10.3	93	2.7	- 1.0	25.1	24.6	23.0	22.7	b bc b
29	9.0	81	2.4	- 1.3	25.1	24.6	23.0	22.9	bro b bc b
30	9.1	81	2.4	- 1.3	25.1	24.7	23.0	22.9	cro bcro bc bcro bc b
31	9.8	88	2.3	- 1.4	25.1	24.6	23.0	23.0	bro b bc b
Mean	8.63	78.5	3.28	- 0.50	25.26	24.82	23.14	23.01	
Average	7.57	68.6	3.78	...	25.23	24.42	22.62	21.93	
Column	19	20	21	22	23	24	25	26	27

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JULY, 1941

Element	Highest	hrs	Date	Lowest	Date
Atmospheric Pressure	1018.9 mbs	at 10.00	on 8th	1006.6 mbs	at 15.00 on 11th
Temperature of the Air	25.9°C	at 12.15	on 31st	13.3°C	at 05.05 on 4th
Daily Range of Temperature of the Air	11.8°C		on 4th	3.9°C	on 17th
Temperature of the Dew Point	23.0°C	at 14.00	on 20th	8.8°C	at 15.00 on 8th
Minimum on grass				10.8°C	on 7th
Relative Humidity	98.3 %	at 14.00	on 20th	41.2 %	at 15.00 on 8th
Vapour Pressure	28.1 mbs	at 14.00	on 20th	11.3 mbs	at 15.00 on 8th
Evaporation in 24 hrs.	4.8 mms		on 9th	1.6 mms	on 21st
Wind Velocity	8.3 m.p.s.	at 11.00	on 17th	0.6 m.p.s.	often
Rainfall in 24 hrs	11.2 mms	ending 20.00	on 20th		
Duration of Sunshine	10.5 hrs		on 3rd	2.7 hrs	on 17th

Mean Day Temperature of Air 22.40°C Mean Night Temperature of Air 18.84°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
...	15	15	1	...	11	7	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)

JULY, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day / Hour
Midnight	160	159	137	123	131	147	162	180	170	140	087	091	090	114	144	159	Midnight
1	160	158	132	121	131	144	162	179	169	132	081	090	090	114	145	158	1
2	158	150	130	118	124	140	160	176	162	126	078	089	088	111	143	157	2
3	156	151	124	116	122	139	160	174	157	120	072	083	083	110	141	151	3
4	152	149	122	114	121	135	159	171	151	116	070	081	081	109	140	150	4
5	153	149	120	115	120	136	160	170	152	113	070	080	080	109	141	151	5
6	156	150	121	119	121	140	161	173	156	113	071	083	082	111	147	157	6
7	161	152	122	121	129	141	168	177	158	115	073	089	088	116	150	173	7
8	168	157	127	129	132	149	173	180	163	116	079	092	091	121	152	179	8
9	170	159	131	132	140	152	178	186	166	119	082	096	098	126	158	181	9
10	170	158	131	131	140	152	180	189	164	116	083	099	100	127	160	181	10
11	167	153	126	126	138	150	178	186	157	111	081	095	098	125	159	179	11
Noon	161	147	120	120	130	145	174	180	151	101	076	090	091	120	153	172	Noon
13	151	138	111	112	127	140	169	171	142	091	071	080	086	112	150	161	13
14	151	131	107	107	121	136	160	163	137	085	067	074	081	110	146	156	14
15	150	128	104	106	121	136	157	160	132	081	066	071	076	111	143	151	15
16	151	127	106	108	123	140	160	161	131	080	069	072	076	115	146	152	16
17	152	130	107	111	128	144	163	164	134	080	071	076	083	121	150	158	17
18	156	131	110	120	131	150	170	166	134	080	074	077	091	128	156	161	18
19	157	134	116	121	136	152	174	166	138	080	080	080	101	131	161	162	19
20	160	139	121	130	142	159	179	171	141	081	086	087	107	136	166	162	20
21	160	140	122	135	146	163	180	173	141	087	091	089	110	140	171	166	21
22	161	140	121	133	147	165	180	172	142	086	092	090	114	141	173	163	22
23	160	139	124	134	146	163	179	171	141	087	093	091	116	143	170	168	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Day / Hour
Midnight	166	161	171	168	161	162	171	180	175	170	150	144	131	130	139	148	Midnight
1	162	159	170	163	158	161	172	178	175	169	148	143	130	130	138	146	1
2	161	152	168	160	155	160	170	173	170	162	144	141	126	129	135	142	2
3	159	154	163	156	154	159	167	171	164	159	141	137	121	126	131	139	3
4	158	155	162	154	152	158	165	170	161	154	139	131	121	121	130	137	4
5	151	157	161	155	152	159	162	169	160	151	138	131	121	120	127	137	5
6	157	158	162	158	153	160	163	171	161	151	140	134	126	121	130	139	6
7	166	162	167	163	158	161	169	174	162	154	141	139	132	128	133	143	7
8	169	168	170	168	163	166	171	178	170	160	143	140	140	131	138	148	8
9	175	170	176	171	166	171	178	182	176	165	147	141	147	140	143	152	9
10	178	170	176	172	166	173	180	184	180	164	149	141	148	140	145	153	10
11	175	168	175	168	160	168	174	182	176	161	143	136	145	136	143	150	11
Noon	162	160	170	161	152	161	169	172	171	151	139	131	138	130	139	143	Noon
13	156	154	161	157	150	154	161	167	162	143	131	126	126	123	129	136	13
14	151	150	156	151	143	150	153	159	156	137	125	120	120	120	129	131	14
15	149	149	154	148	141	148	152	155	151	131	121	117	116	118	127	128	15
16	149	151	152	148	143	148	153	155	151	130	121	118	114	120	130	129	16
17	154	156	153	150	147	150	159	158	153	131	125	119	119	121	131	132	17
18	156	160	160	154	151	154	162	161	155	135	129	120	121	123	139	136	18
19	161	165	164	158	156	161	169	163	158	141	134	123	125	127	146	140	19
20	165	170	170	162	161	169	174	170	165	146	140	130	130	131	151	145	20
21	170	171	170	164	163	171	180	174	170	153	144	132	130	134	156	148	21
22	168	173	170	164	166	171	181	176	150	146	135	131	171	135	157	149	22
23	166	172	170	163	167	171	181	176	169	150	147	133	130	137	157	149	23

TABLE IX - AMOUNT OF CLOUD AT EVERY HOUR OF THE DAY (0 - CLEAR SKY , 10 - OVERCAST SKY)

Hour \ Day	JULY, 1941																															
	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	Mean
Midnight	1	0	0	0	5	4	0	4	1	3	1	3	6	0	0	0	10	5	5	7	5	1	10	3	5	0	4	0	1	9	1	3.0
1	1	0	0	0	5	4	0	4	1	3	1	3	1	0	0	2	10	5	5	7	5	1	10	3	5	0	4	0	1	9	1	2.9
2	1	0	0	0	3	2	0	4	4	3	1	3	1	0	0	2	10	5	5	7	5	1	10	3	5	0	4	0	1	9	1	2.9
3	1	0	0	0	2	3	0	5	1	3	1	0	0	3	10	5	4	7	3	1	8	1	10	7	4	0	6	0	2	9	1	3.1
4	1	1	0	0	2	2	0	3	1	3	10	3	1	1	0	4	10	5	4	3	8	8	10	7	4	2	6	1	2	4	1	3.5
5	1	1	0	3	2	0	3	10	3	10	10	3	1	1	1	4	10	5	4	3	3	8	3	7	4	3	6	1	2	3	1	3.4
6	1	1	0	0	3	2	0	4	10	3	8	3	1	1	1	2	10	4	4	3	2	4	1	7	2	5	6	1	1	3	1	3.0
7	3	1	0	0	3	2	2	4	8	3	8	3	1	2	1	2	9	4	4	3	2	4	1	7	1	5	6	1	1	3	1	3.1
8	3	3	1	0	5	3	0	3	10	3	6	3	8	2	4	1	8	8	6	7	10	6	5	7	1	3	5	3	4	4	1	4.3
9	3	3	1	0	5	3	2	3	10	5	6	3	8	2	4	1	8	8	6	7	10	6	5	5	1	3	5	3	4	4	1	4.4
10	4	5	2	0	5	4	3	3	5	5	7	4	8	2	7	4	8	4	6	7	10	7	4	4	2	4	5	3	6	4	3	4.7
11	5	4	2	0	5	4	6	4	5	4	6	4	7	4	6	4	9	8	6	8	9	7	3	4	3	5	5	3	6	4	3	4.9
Noon	5	3	3	0	5	4	8	5	5	6	5	5	6	4	6	4	9	6	6	8	9	8	3	4	5	5	5	3	6	4	3	5.1
13	7	3	4	0	8	2	5	3	5	6	6	6	6	5	8	2	10	6	7	8	8	8	4	4	8	4	4	4	7	4	4	5.4
14	8	3	4	1	8	2	4	2	4	6	8	6	6	2	8	2	9	2	7	8	6	4	4	4	4	4	3	4	6	4	4	4.7
15	9	0	4	2	8	2	4	0	3	7	8	6	6	2	6	2	9	2	9	9	7	4	4	4	4	4	3	4	6	4	5	4.7
16	6	1	2	2	9	2	3	4	4	6	4	4	5	1	2	7	8	4	8	9	7	4	4	4	3	1	3	2	4	3	5	4.2
17	6	1	2	2	4	2	3	4	4	6	4	4	5	1	2	7	8	4	8	9	6	7	4	4	3	1	2	2	4	3	3	4.0
18	6	1	2	1	4	2	2	8	4	6	2	3	2	1	1	7	9	4	4	9	7	7	2	4	3	1	2	1	3	2	3	3.6
19	6	2	0	8	1	0	1	5	3	6	2	2	0	0	0	8	8	6	3	9	3	7	1	4	0	2	1	1	2	2	3	3.1
20	8	2	0	9	1	0	1	1	3	1	2	1	0	0	0	10	7	10	3	1	2	6	1	4	0	2	1	1	1	1	3	2.7
21	3	2	0	10	1	0	4	1	3	1	2	3	0	0	0	10	7	10	6	1	1	4	1	5	0	2	1	1	1	1	3	2.7
22	2	2	0	10	0	0	1	1	3	1	2	1	0	0	0	10	4	10	3	1	1	4	1	5	0	2	1	1	1	1	2	2.3
23	2	2	0	10	0	0	1	1	3	1	2	1	0	0	0	10	4	10	3	1	1	4	1	5	0	2	1	1	1	1	2	2.3

TABLE X - DURATION OF BRIDHT SUNSHINE AT EVERY HOUR OF THE DAY AS RECORDED BY THE CAMPBELL-STOKES SUNSHINE RECORDER

Hour Ending \ Day	JULY, 1941																															
	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	0	0	0	0	0	0	0	0	0	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	12	17	15	16	0	15	17	2	0	10	0	12	1	20	12	6	0	0	0	1	10	0	0	0	19	19	12	19	3	0	12	4.2
8	60	60	60	60	51	60	60	60	14	60	58	60	27	60	60	60	0	0	11	4	8	3	46	17	60	60	50	60	35	44	60	22.2
9	60	60	60	60	60	60	60	60	12	60	60	60	44	60	60	60	31	40	53	35	5	60	60	43	60	60	60	60	29	56	60	26.7
10	42	60	60	60	44	60	57	60	60	60	60	48	55	60	60	60	43	60	60	52	6	47	60	60	60	60	60	60	50	44	60	28.2
11	59	60	60	60	52	60	34	60	60	60	60	60	60	56	60	60	28	60	48	56	11	59	60	60	60	40	60	60	60	56	60	28.3
Noon	60	60	60	60	47	38	52	60	60	40	60	60	60	40	60	60	1	60	60	60	2	59	60	60	55	60	60	60	60	60	60	27.5
13	60	60	60	60	43	13	37	60	60	42	60	60	47	51	60	60	13	60	60	45	48	60	60	60	55	60	60	60	60	60	60	27.5
14	7	60	60	60	49	60	56	60	60	53	41	60	7	54	40	60	18	60	60	47	45	40	60	60	59	60	60	60	60	53	49	26.4
15	0	60	60	56	20	44	60	60	49	43	40	60	60	57	14	60	26	60	44	15	55	53	60	60	60	60	60	60	60	60	60	25.6
16	36	60	60	46	33	60	44	60	55	51	42	60	59	60	60	60	3	60	49	0	46	35	53	60	52	60	60	60	60	60	46	25.8
17	25	60	60	52	1	42	47	60	39	59	60	47	39	56	57	28	0	56	48	0	9	37	49	42	60	60	60	54	60	55	53	22.9
18	0	9	16	8	7	0	7	4	6	1	8	1	0	3	4	0	0	8	1	0	0	0	5	4	10	8	10	5	5	0	5	2.3
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

The total amount of registered sunshine was 252.5 hours and the total possible sunshine was 341.1 hrs

TABLE XI - TEMPERATURE OF THE AIR AND EXCESS OVER TEMPERATURE OF EVAPORATION IN DEGREES CENTIGRADE AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

(To obtain temperatures on the Absolute Scale add 273)

J U L Y, 1941

Day / Hour	1		2		3		4		5		6		7		8		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	20.0	1.3	19.9	1.6	17.4	1.5	16.6	1.6	19.2	1.1	18.4	1.7	18.3	2.3	17.9	1.9	Mid-night
1	20.3	1.5	20.0	1.7	17.2	1.4	15.8	1.6	19.1	1.0	18.0	1.7	17.0	2.0	18.1	2.0	1
2	19.9	1.3	20.0	2.0	16.8	1.7	15.0	1.5	18.9	1.0	18.3	1.3	17.3	2.2	18.1	2.4	2
3	19.1	1.1	19.6	1.9	16.5	1.5	14.4	1.6	18.6	1.3	18.4	1.4	17.2	2.0	17.8	2.6	3
4	18.1	1.1	19.6	2.0	16.3	1.3	14.2	1.6	18.2	1.1	18.5	1.4	16.8	1.8	18.0	3.0	4
5	17.9	1.2	19.2	1.8	15.9	1.4	13.5	0.9	19.1	1.3	18.9	1.7	16.0	1.5	18.1	3.0	5
6	17.8	2.4	19.0	1.8	15.5	1.4	13.6	1.0	19.2	1.2	19.6	1.9	15.9	1.7	18.2	3.4	6
7	17.2	2.0	19.0	1.9	15.0	1.3	13.5	0.9	18.1	1.2	18.0	0.8	16.0	1.9	18.1	3.1	7
8	20.0	1.2	20.7	2.6	18.1	1.8	16.6	1.6	20.7	1.8	20.6	2.3	18.2	2.1	19.3	4.2	8
9	22.8	2.6	22.0	3.3	21.3	3.2	20.7	3.0	21.9	2.8	22.3	3.2	21.3	3.8	21.0	5.0	9
10	23.1	3.2	22.9	3.9	23.0	4.8	22.0	4.0	23.1	3.7	23.3	3.8	23.1	5.4	22.0	5.8	10
11	24.1	4.1	23.7	4.5	23.3	5.4	23.2	4.5	23.1	3.8	24.6	4.6	22.4	3.7	22.2	6.5	11
Noon	25.1	5.2	24.1	4.9	23.5	5.3	24.1	4.5	24.1	4.1	24.5	4.9	22.7	4.4	22.4	5.8	Noon
13	25.2	5.1	24.3	4.7	24.3	5.4	25.0	5.0	23.2	3.3	23.2	4.0	22.8	4.6	22.5	5.7	13
14	22.9	3.3	23.9	4.8	24.7	5.4	24.9	6.1	23.8	4.0	24.3	4.7	23.2	4.8	22.8	6.6	14
15	22.4	2.6	23.2	4.2	24.8	5.1	24.7	5.6	23.1	3.6	23.1	4.4	22.6	4.5	22.6	7.4	15
16	23.3	3.6	22.8	3.8	24.6	5.0	24.0	4.9	23.1	3.6	22.9	4.4	21.2	3.1	21.7	5.4	16
17	22.4	3.1	21.9	3.8	23.7	4.9	22.9	4.3	22.0	2.9	21.7	3.9	21.0	3.9	20.2	4.1	17
18	21.0	1.8	20.6	3.0	21.1	3.1	21.3	2.7	20.9	2.4	20.3	3.2	19.2	3.5	18.5	2.5	18
19	20.6	1.9	20.0	2.8	18.8	2.1	19.7	2.0	20.2	2.2	19.2	2.5	16.6	2.3	18.5	2.8	19
20	20.5	1.7	19.4	2.2	17.7	1.9	19.1	1.5	19.9	2.0	19.3	3.0	16.5	2.4	18.2	3.2	20
21	20.1	1.3	19.1	2.1	16.7	1.9	19.7	1.3	20.1	2.3	19.1	3.0	15.7	1.8	18.6	3.5	21
22	20.0	1.8	18.9	2.0	16.1	1.5	19.2	1.3	19.1	1.9	19.2	2.9	15.1	1.6	18.8	4.0	22
23	20.0	1.3	18.2	1.8	16.3	1.5	18.4	1.3	18.7	1.7	18.3	2.3	18.0	1.9	18.5	4.7	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	18.1	3.0	17.5	1.5	18.5	1.4	17.1	1.1	18.3	0.5	16.5	1.3	19.2	2.0	19.5	1.7	Mid-night
1	17.5	2.4	18.0	1.8	17.1	1.1	16.9	1.2	17.9	0.8	16.8	1.7	19.2	2.0	19.8	1.9	1
2	17.0	1.2	17.9	1.8	17.2	1.1	17.2	0.9	17.3	0.8	16.7	1.6	18.5	1.8	19.2	1.6	2
3	16.6	1.8	18.1	1.6	16.7	1.4	17.2	0.9	16.9	1.0	16.9	1.2	18.0	1.8	19.0	1.3	3
4	16.2	1.4	18.0	1.8	17.2	0.9	16.9	1.1	16.5	0.9	16.2	1.2	18.1	1.8	19.3	1.7	4
5	16.2	1.2	18.2	1.9	18.1	0.9	16.5	1.0	16.4	0.6	15.3	1.0	18.1	1.5	18.9	1.8	5
6	17.0	1.0	18.1	1.7	18.2	0.9	16.4	1.2	16.6	1.1	15.1	0.9	18.0	1.4	18.8	1.3	6
7	16.9	1.2	18.1	1.5	18.1	0.9	17.1	0.8	16.1	1.0	15.3	1.0	18.0	1.4	18.8	1.7	7
8	17.3	1.2	19.6	2.3	19.7	0.7	19.8	0.8	17.6	0.7	19.3	1.2	19.6	1.6	20.1	2.5	8
9	17.9	1.2	21.2	2.9	22.0	1.3	22.0	1.4	20.9	0.9	22.0	2.5	22.0	3.0	21.3	3.2	9
10	21.0	2.5	22.2	3.2	23.0	2.0	22.7	2.3	22.4	1.3	23.5	4.2	22.2	3.3	22.7	4.6	10
11	22.3	4.7	23.0	3.8	24.4	2.8	24.2	2.6	23.4	2.6	24.6	4.7	23.8	4.3	23.2	4.5	11
Noon	23.1	5.0	22.6	3.3	24.6	3.4	24.5	3.3	24.2	3.3	24.6	5.4	23.1	4.2	23.8	4.9	Noon
13	23.4	4.9	23.1	3.8	25.1	3.1	24.8	3.7	24.4	3.3	25.1	6.1	23.4	4.4	23.9	4.9	13
14	23.2	5.2	24.1	4.4	24.3	3.5	24.7	3.7	24.0	3.0	24.9	6.1	22.8	4.0	24.0	5.0	14
15	22.1	4.0	22.1	2.3	24.2	3.4	24.7	3.7	24.2	3.5	25.0	7.0	23.2	5.0	23.6	4.7	15
16	21.4	4.1	23.0	3.4	24.1	3.4	24.0	3.4	24.1	3.9	24.1	5.8	22.7	4.8	21.0	0.9	16
17	20.4	3.2	22.3	2.8	23.3	3.2	23.1	3.0	23.5	3.5	22.8	4.4	21.9	4.8	22.0	3.9	17
18	19.2	2.2	21.5	2.2	21.6	1.9	21.6	2.1	22.1	2.4	20.9	3.6	20.3	4.1	21.0	2.4	18
19	18.0	1.6	19.8	1.8	20.1	1.9	19.8	1.7	20.3	1.7	19.7	2.6	19.8	3.7	20.3	1.3	19
20	18.1	1.8	18.5	1.5	19.2	1.2	19.1	1.5	19.0	1.8	19.0	2.2	20.0	3.5	20.2	1.0	20
21	18.3	2.0	17.3	1.3	18.9	1.3	19.1	1.0	18.1	1.5	19.0	2.3	19.7	3.1	20.3	1.0	21
22	18.3	1.7	17.1	1.0	18.2	1.2	18.1	1.1	17.5	1.3	18.7	2.1	19.3	2.4	20.4	1.0	22
23	18.2	1.9	19.0	1.8	17.6	1.3	18.1	1.0	17.2	1.3	18.9	1.9	19.6	1.8	20.8	1.3	23

TABLE XI (Ctd) - TEMPERATURE OF THE AIR AND EXCESS OVER TEMPERATURE OF EVAPORATION IN DEGREES CENTIGRADE AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

(To obtain temperatures on the absolute scale add 273)

J U L Y, 1941

Day / Hour	17		18		19		20		21		22		23		24		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	20.9	1.8	20.2	1.0	21.2	2.1	20.3	0.6	19.6	1.3	19.8	1.1	20.2	2.1	20.2	3.3	Mid-night
1	20.6	1.0	20.6	1.5	21.3	1.9	20.0	0.8	19.2	1.1	19.9	0.9	20.0	1.9	20.0	0.4	1
2	20.7	1.5	20.9	2.3	21.1	1.9	19.9	0.9	19.5	1.0	19.2	1.0	19.2	1.2	20.1	0.2	2
3	21.1	1.8	20.7	1.7	20.3	1.2	19.9	0.8	19.3	0.9	19.1	0.9	19.6	1.3	20.0	1.4	3
4	21.0	1.7	21.0	2.1	20.2	1.1	19.3	0.5	19.0	0.9	19.2	0.6	19.2	1.1	20.1	2.1	4
5	20.8	1.7	20.6	1.6	20.3	1.1	20.0	0.8	19.1	1.0	19.9	0.7	19.6	2.5	19.2	1.1	5
6	21.0	1.6	20.7	2.5	20.6	1.5	19.9	0.8	19.0	1.1	19.4	0.8	18.7	1.6	19.6	1.6	6
7	21.1	1.8	20.9	2.4	20.6	1.3	19.6	0.6	19.0	1.1	20.0	1.0	18.1	1.8	19.7	2.4	7
8	21.9	1.9	21.2	2.5	21.4	1.9	20.2	0.5	20.2	1.2	20.4	0.8	20.3	2.4	20:6	2.7	8
9	22.6	2.8	22.1	3.2	22.9	3.0	21.8	0.6	22.0	1.9	22.1	1.4	22.9	4.5	22.0	3.4	9
10	23.6	3.5	23.3	3.9	23.9	4.4	22.9	0.6	22.3	2.4	22.1	1.8	23.7	4.8	22.9	4.9	10
11	23.4	3.4	23.9	4.4	24.0	4.1	23.5	0.3	22.9	2.8	23.4	2.6	23.9	5.3	24.2	6.1	11
Noon	23.0	3.0	23.9	4.4	24.3	4.4	23.2	0.2	23.1	3.1	22.3	2.1	24.2	5.4	24.8	6.3	Noon
13	22.1	2.0	23.9	4.3	24.7	4.5	23.1	0.2	24.1	3.1	24.1	3.0	24.2	5.2	25.1	6.4	13
14	22.9	2.8	23.9	4.4	24.4	4.3	23.3	0.2	24.0	3.3	23.1	2.1	24.2	4.7	24.3	6.1	14
15	22.9	2.9	24.0	5.3	23.0	2.9	22.7	0.4	24.1	3.8	23.6	2.9	23.8	4.2	23.7	5.2	15
16	21.0	0.9	23.3	4.1	23.5	3.4	22.2	0.2	22.7	2.6	22.2	1.4	22.9	3.6	23.0	4.1	16
17	21.1	1.1	22.3	3.1	22.8	3.1	22.2	0.3	22.2	2.4	22.2	2.3	21.3	2.3	21.5	2.8	17
18	20.1	0.9	22.0	2.9	21.2	1.8	20.9	0.8	21.0	1.4	21.2	1.7	21.1	2.9	20.9	2.9	18
19	20.6	0.9	21.2	2.2	21.6	2.4	19.7	0.7	20.3	1.2	20.1	1.2	21.0	2.8	20.0	2.4	19
20	20.1	0.8	21.1	2.0	21.3	2.2	19.8	0.8	20.2	1.1	20.2	0.8	20.7	2.7	19.9	2.0	20
21	20.3	0.6	21.0	1.7	21.0	1.7	19.5	0.6	20.0	1.2	20.0	1.0	20.2	2.3	19.2	1.9	21
22	20.0	0.7	20.9	1.8	20.3	1.0	19.3	0.6	19.8	1.5	20.2	1.2	20.6	2.5	19.1	1.9	22
23	20.1	0.9	21.2	2.2	20.0	0.8	19.7	0.6	19.9	1.2	20.7	2.1	20.5	2.5	19.2	1.4	23

Day / Hour	25		26		27		28		29		30		31		Mean		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	19.2	1.1	16.8	1.7	19.1	1.2	18.3	1.5	19.9	1.1	20.2	1.0	18.9	1.1	18.9	1.5	Mid-night
1	18.8	1.3	16.3	1.3	19.2	1.1	18.9	1.8	19.6	1.1	20.2	0.8	18.8	0.9	18.8	1.4	1
2	18.4	1.4	16.1	1.3	19.3	1.0	19.0	1.8	19.1	1.0	20.1	1.0	18.0	1.0	18.6	1.4	2
3	18.5	1.8	15.9	1.3	19.9	0.9	17.6	1.4	19.1	1.0	19.8	0.8	17.8	0:9	18.4	1.4	3
4	18.4	1.4	15.7	1.2	19.3	1.0	17.2	1.2	19.5	1.2	19.6	0.7	17.6	0.9	18.2	1.3	4
5	18.6	2.3	16.7	1.0	18.9	1.3	17.1	1.1	19.6	1.0	19.3	0.6	17.5	0.9	18.2	1.4	5
6	18.2	2.1	17.9	1.4	19.0	1.1	17.0	1.0	19.6	0.8	19.3	0.7	18.0	0.9	18.2	1.4	6
7	18.3	2.0	17.2	1.2	19.6	1.3	17.6	1.1	19.2	0.9	19.3	0.7	18.2	0.9	18.1	1.4	7
8	21.0	3.9	19.2	1.4	20.9	1.6	20.9	1.9	20:6	0.9	20.8	0.9	20.4	0.3	19.9	1.7	8
9	22.8	4.6	22.4	3.3	22.3	2.4	22.7	3.2	22.0	1.3	22.7	1.7	23.1	2.2	21.9	2.7	9
10	23.6	5.3	23.7	4.6	23.1	3.9	23.9	4.7	22.3	1.4	23.6	2.5	24.6	3.7	23.0	3.6	10
11	24.0	5.9	23.7	4.4	23.8	4.1	24.6	5.0	24.1	3.5	23.8	3.1	24.9	3.8	23.7	4.1	11
Noon	24.3	5.5	24.3	4.5	24.0	4.7	24.6	5.0	25.0	3.8	24.3	4.2	24.2	3.1	23.9	4.3	Noon
13	24.3	6.0	25.0	5.2	24.8	4.9	25.0	5.2	24.9	3.9	25.0	4.1	24.9	3.5	24.2	4.3	13
14	24.1	6.1	24.6	5.1	24.5	4.9	25.1	5.1	24.9	3.9	23.6	3.7	25.0	3.5	24.0	4.3	14
15	23.9	5.8	24.2	4.6	24.1	5.0	24.4	4.5	24.6	4.4	24.7	4.5	24.8	3.8	23.7	4.3	15
16	22.8	4.6	23.7	4.2	23.6	4.4	24.0	4.3	24.1	3.7	24.0	4.0	24.0	3.7	23.1	3.7	16
17	22.2	4.1	22.8	3.8	22.6	3.6	22.6	3.1	23.6	3.2	23.0	2.9	23.1	2.6	22.3	3.3	17
18	20.7	3.1	21.1	2.2	21.1	3.0	21.3	2.1	22.1	2.0	21.3	1.7	22.0	1.9	20.9	2.4	18
19	19.6	2.4	20.2	1.6	19.7	2.0	20.5	1.6	21.0	1.3	20.1	1.3	21.0	1.4	19.9	1.9	19
20	18.9	2.2	20.1	1.6	19.4	1.8	20.1	1.4	20.6	1.0	19.4	1.1	20.6	1.4	19.6	1.8	20
21	18.1	1.9	20.0	1.4	19.0	1.7	19.8	1.4	20.3	0.8	19.1	1.0	20.0	1.0	19.3	1.7	21
22	17.3	1.4	20.0	1.2	19.0	1.7	19.5	1.2	20.3	0.8	19.6	1.0	19.7	1.3	19.0	1.5	22
23	16.9	1.6	19.5	1.0	18.9	1.8	19.8	1.2	20.2	0.8	19.1	1.0	19.2	1.0	19.0	1.5	23

TABLE XII - DIRECTION AND VELOCITY OF THE WIND AT EVERY HOUR OF THE DAY AS RECORDED BY THE ROBINSON CUP ANEMOMETER DURING JULY, 1941

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 *)

J U L Y, 1941

Hour \ Day	1		2		3 *		4 *		5		6		7		8		9		10		11*		12 *		13 *		14		15		16	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Mid-night	12	1.1	12	4.4	12	2.3	12	2.6	12	1.1	12	1.9	14	1.2	14	1.0	09	3.9	14	2.1	09	1.1	13	1.4	20	1.8	13	2.3	13	3.2	10	4.0
1	12	1.7	12	3.3	12	1.9	12	2.0	12	0.7	13	2.6	14	1.2	14	3.4	12	2.9	13	3.0	11	1.7	13	1.7	13	1.4	13	1.6	14	2.5	10	4.0
2	10	1.1	11	4.1	12	2.6	13	2.0	12	1.0	13	1.9	14	1.5	13	2.8	13	3.3	16	2.7	11	1.2	13	1.6	13	1.4	13	2.5	14	2.1	11	5.2
3	08	0.6	09	4.6	12	2.4	12	1.8	12	1.1	13	2.6	14	1.6	13	2.3	12	2.9	14	3.2	11	1.1	13	1.8	13	0.9	13	2.2	12	2.5	10	4.6
4	08	0.6	12	4.0	12	1.8	12	1.9	13	1.3	13	2.5	14	1.2	15	3.8	12	1.8	14	3.3	11	0.8	13	1.8	13	1.1	13	1.9	14	2.4	11	5.4
5	15	1.1	12	3.1	12	2.4	12	1.2	13	2.9	13	2.7	15	1.8	13	4.1	09	1.2	14	3.9	13	1.7	13	1.6	13	1.3	13	1.8	14	2.1	11	5.7
6	10	1.0	13	2.1	12	2.3	12	1.9	11	1.8	14	2.5	15	1.8	13	4.0	13	2.8	13	3.3	15	1.3	13	1.5	13	1.3	13	1.5	13	2.9	11	4.3
7	10	1.2	12	1.8	12	2.0	12	1.9	11	1.1	14	2.1	15	2.1	12	7.4	13	3.3	14	3.5	15	0.9	13	1.4	13	1.9	13	1.9	14	2.2	11	4.7
8	12	1.2	13	3.2	12	2.2	12	1.3	11	3.3	13	3.0	16	1.2	13	5.0	12	3.7	13	3.8	15	0.8	13	0.6	13	1.1	14	2.1	13	2.6	12	5.6
9	11	2.8	13	3.9	12	1.6	12	0.7	12	3.0	12	2.9	13	2.4	13	5.2	09	2.9	14	3.4	18	1.2	r30	1.1	13	0.6	16	2.4	12	2.3	11	5.3
10	09	2.9	13	4.8	14	2.1	19	1.1	11	5.1	14	3.4	12	4.1	13	7.2	12	3.2	15	4.0	22	1.8	29	1.8	d22	1.6	16	2.9	10	4.0	12	7.3
11	10	3.1	12	4.5	16	1.5	d32	1.4	12	5.5	12	2.7	14	4.8	12	6.8	12	6.3	15	4.9	25	2.5	29	2.3	23	2.8	15	3.4	12	5.0	12	7.7
Noon	08	3.9	12	5.7	15	1.6	26	2.4	12	5.0	11	2.6	14	5.3	13	6.7	13	5.3	14	4.7	23	3.4	27	3.0	21	3.4	15	3.4	10	6.0	09	7.8
13	09	3.2	12	5.2	21	2.8	24	2.2	10	5.0	13	4.2	13	5.1	13	7.2	14	6.7	14	5.4	24	3.1	27	3.4	26	3.0	14	2.9	12	6.2	12	7.3
14	13	3.8	11	5.9	23	2.1	r14	2.4	12	5.0	12	4.2	13	5.4	12	7.2	13	5.5	14	4.4	25	2.5	31	3.4	25	2.5	13	3.8	12	6.5	09	7.4
15	13	2.6	10	6.4	30	1.9	15	3.0	12	4.9	14	4.5	12	6.0	10	8.0	12	4.9	13	3.5	22	2.6	29	2.9	22	4.4	14	4.5	12	6.7	09	7.8
16	13	3.6	11	5.1	29	1.7	13	4.8	12	4.2	13	5.0	13	5.7	13	6.9	13	4.4	14	2.9	22	2.0	28	2.4	23	2.8	15	4.4	11	6.7	11	6.6
17	13	3.8	12	4.4	02	1.8	14	4.0	13	3.6	14	4.7	14	4.3	12	6.1	14	4.4	15	2.3	24	1.6	25	2.0	21	2.3	14	4.4	12	5.1	11	4.9
18	14	2.0	12	3.3	d08	1.1	14	1.3	12	2.9	13	3.1	14	2.5	12	2.5	13	1.7	15	1.2	24	1.1	25	1.1	19	1.8	14	1.6	12	4.1	11	3.8
19	11	2.9	12	3.0	08	1.5	14	1.8	12	3.1	13	2.1	14	1.2	13	4.0	13	1.1	15	1.3	24	1.1	25	0.7	21	0.7	13	1.1	11	3.1	11	3.8
20	11	2.0	12	2.2	11	2.1	12	1.6	12	2.9	13	2.6	15	1.9	13	3.3	14	1.9	15	1.2	24	0.7	25	0.7	21	1.1	13	0.9	12	3.2	11	3.9
21	12	2.0	12	2.1	11	2.0	14	1.9	13	3.5	14	2.6	15	1.2	13	4.4	13	2.6	15	1.8	r17	1.1	25	1.1	13	1.2	13	1.1	12	3.0	11	3.6
22	13	2.0	12	2.4	12	2.5	12	1.7	12	2.4	14	2.7	14	1.6	12	4.9	14	3.1	15	2.2	17	1.7	19	1.5	13	1.3	13	1.7	11	3.1	11	3.8
23	12	2.8	12	1.0	13	2.9	13	1.3	12	2.5	14	1.6	10	2.7	11	3.4	14	1.9	15	2.1	16	1.6	17	1.4	13	2.0	13	2.7	12	3.5	11	2.9

Hour \ Day	17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		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	3.0	09	6.2	08	4.3	09	3.8	10	2.7	11	2.2	10	3.2	09	3.7	11	3.7	11	1.7	10	2.5	10	2.5	10	1.2	10	1.6	11	0.6	Mid-night
1	10	2.8	09	6.6	08	4.4	09	4.3	10	2.0	11	1.8	10	2.9	10	3.0	11	3.3	12	1.8	10	1.9	11	2.6	10	2.6	10	1.7	11	1.1	1
2	11	3.0	08	5.9	08	4.4	09	3.0	11	1.9	11	2.0	10	2.0	11	3.1	12	3.4	13	2.2	10	2.1	11	2.0	10	1.7	10	2.3	11	0.6	2
3	09	3.2	09	6.5	07	3.8	11	2.4	11	1.7	11	1.2	12	2.3	09	3.6	11	3.5	13	2.3	10	1.9	11	1.8	11	1.8	10	1.5	11	1.2	3
4	08	3.4	09	5.7	08	4.7	11	3.9	11	2.5	09	1.8	12	2.0	08	3.7	12	3.5	13	2.0	10	2.8	11	2.2	11	2.2	10	1.5	11	0.9	4
5	07	4.4	09	7.0	09	4.3	11	2.9	10	3.7	11	1.9	10	3.4	08	2.2	11	3.2	13	2.7	10	2.4	11	1.8	11	1.4	10	1.8	10	1.1	5
6	10	4.5	08	4.2	09	5.1	11	3.2	10	3.1	12	2.5	10	1.4	09	3.4	11	2.3	13	2.4	10	2.0	11	1.7	11	0.9	10	1.5	10	1.7	6
7	08	4.1	00	5.0	08	4.6	10	2.8	10	2.8	11	2.3	10	2.2	10	3.1	11	3.0	13	1.8	09	2.3	11	1.9	11	1.4	10	1.9	10	1.3	7
8	09	5.0	08	5.6	09	3.6	08	5.7	10	1.8	10	2.3	08	4.4	10	3.9	11	3.2	13	0.7	09	3.4	11	2.2	11	1.7	10	2.1	11	2.0	8
9	09	6.0	10	5.9	08	5.7	08	4.3	10	2.4	09	3.7	08	6.2	09	5.5	11	4.9	12	2.5	08	4.1	10	4.9	10	2.0	09	2.3	11	3.3	9
10	08	6.9	10	7.6	09	7.0	09	5.3	09	3.8	11	4.1	08	7.0	09	6.3	11	6.4	11	3.8	09	5.2	10	4.4	11	2.5	11	3.6	10	4.2	10
11	08	8.3	08	7.8	10	6.4	08	5.6	09	4.3	09	5.4	09	7.5	10	6.1	10	5.4	11	4.0	10	5.9	11	3.8	08	3.7	10	3.4	09	3.3	11
Noon	11	7.4	09	6.9	08	6.9	10	5.7	09	5.1	09	5.0	09	7.9	08	6.6	12	5.2	10	3.5	08	5.4	10	4.2	08	3.9	10	3.8	13	3.8	Noon
13	10	7.1	08	6.4	09	6.5	09	5.1	08	4.8	09	5.8	09	7.5	10	6.3	09	4.8	11	4.4	10	5.8	10	3.7	09	4.1	07	3.9	11	4.1	13
14	09	7.0	10	7.4	09	5.2	09	5.6	11	4.4	10	5.5	10	6.7	10	6.0	10	4.7	11	4.1	11	5.4	08	3.9	10	4.4	09	3.9	11	4.0	14
15	09	6.7	10	7.4	09	5.7	12	4.9	11	5.0	11	4.9	10	7.1	10	6.5	12	4.3	10	4.4	08	5.5	10	3.3	08	3.2	10	4.0	11	4.3	15
16	09	5.7	09	6.6	10	5.5	09	4.2	09	4.4	10	4.2	11	5.6	12	6.1	10	4.3	10	4.1	09	5.3	10	3.7	08	0.7	10	3.6	10	4.0	16
17	09	5.3	09	6.0	09	4.8	11	2.5	10	3.8	10	3.6	11	5.8	09	4.6	11	4.1	10	3.7	10	4.4	09	3.3	10	6.0	08	2.9	11	3.0	17
18	09	6.0	08	5.0	09	4.4	05	3.0	10	3.0	10	4.6	11	4.9	10	3.8	10	2.2	10	2.5	10	3.2	10	1.8	11	1.7	08	2.2	10	1.8	18
19	10	5.0	09	5.1	10	3.8	11	3.0	12	2.3	10	2.7	09	4.4	10	3.1	10	2.0	10	2.2	09	2.2	10	1.8	11	1.7	08	1.4	11	2.1	19
20	10	4.3	09	4.4	10	2.6	10	2.7	11	2.2	11	2.8	11	4.6	10	3.5	12	2.6	11	2.1	10	2.3	11	1.8	10	2.3	08	1.4	12	1.3	20
21	09	5.3	08	4.8	10	2.7	12	3.0	11	2.2	09	4.2	11	3.8	10	2.8	12	2.0	11	2.1	10	1.7	11	1.6	10	1.6	08	1.8	12	1.6	21
22	11	5.8	08	4.9	10	2.2	10	2.6	11	1.9	09	3.9	09	3.7	11	2.5	12	2.3	11	2.0	10	2.5	11	1.7	10	1.8	08	2.5	12	1.1	22
23	10	4.6	08	4.5	07	3.7	10	3.7	11	1.8	09	4.5	10	4.2	11	2.4	12	2.0	10	1.7	10	2.4	11	1.7	10	2.4	09	1.3	12	1.7	23

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS) JULY, 1941

Hour	Force (0 - 12) 8 or above	4 to 7	10 to 3	Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
3	-	1	30	-	-	-	-	6	3	20	2	-	-	-	-	-	-	-	-
9	-	5	26	-	-	-	-	9	4	14	1	1	1	-	-	-	-	1	-
15	-	11	20	-	-	-	-	9	4	14	1	1	1	2	-	-	-	-	-
21	-	-	31	-	-	-	-	4	4	17	2	3	-	-	-	1	-	-	-
Totals	-	-	-	-	-	-	-	24	19	62	7	5	1	2	-	1	-	1	-

TABLE XIV A - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY FOR JULY, 1941

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	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
1	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	2.3	..	..	..	..	0.6	..	..	..	0.2	0.1	0.1
2	..	..	..	..	..	..	..	..	2.0	..	..	..	..	..	..	..	..	..	..	2.2	..	..	..	..	0.1	..	0.4	..	..	0.2	..
3	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	0.6	..	0.5	0.1	0.2	0.4	..	0.2	..	..	..	..	..	..	2.8	..
4	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	0.1	..	0.3	..	..	0.9	..	..	..	..	1.5	..	..	0.3	..
5	..	..	..	..	..	..	..	..	..	..	0.5	..	..	..	..	..	0.1	0.2	0.2	..	0.1	0.8	..	0.2	..	..	1.9	..	..	..	..
6	..	..	..	..	..	..	..	..	1.2	..	..	..	..	..	..	0.3	0.1	0.1	0.7	..	..	..	..	1.3	..	..	0.1	..	..	..	..
7	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	0.3	0.5	..	..	..	..	..	..	0.4	..	..	..	..
8	..	..	..	..	..	..	..	..	0.9	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	0.1	..	..	..	..	..	..	..
9	..	..	..	..	..	..	0.7	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	0.3	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.8	..	..	..	..	..	..	..	0.1	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.7	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..
17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	1.0	..	..	2.6	..	0.7	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.4	0.8	..	..	0.1	0.1	1.0	..	..	..	..	..	..	..	..	..
21	0.6	..	..	0.1	..	..	..	..	..	..	..	0.1	..	..	..	..	1.6	..	0.3	..	..	..	0.1	..	..	..	..	..	..	..	..
22	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	1.6	..	0.3	..	..	..	0.1	..	..	..	..	..	..	..	..
23	0.1	..	..	..	..	..	..	..	..	..	..	1.8	..	..	..	..	2.9	..	1.3	..	..	..	..	..	0.1	0.3	..	..	..	..	..
24	0.1	..	..	0.2	..	..	..	..	..	..	..	1.8	..	..	..	..	0.7	..	1.0	..	..	..	..	0.1	..	0.1	..	..	..	..	..

TABLE XVB - RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS, FOR JULY 1941

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	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
1	..	0.5	..	..	0.6	..	..	0.4	0.7	0.2	0.1	..	..	..	..	0.6	..	0.3	..	0.6	..	..	..	..	1.3	..	0.2	..	..	..	..
2	..	0.2	..	..	0.1	..	..	..	0.7	1.9	0.1	..	..	..	..	1.0	..	0.4	..	1.0	..	0.1	..	..	0.2	..	..	..	..	..	0.3
3	..	0.7	..	..	0.1	..	..	0.5	0.2	1.9	0.1	..	..	..	..	0.7	..	..	0.1	0.2	..	..	0.1	..	0.1	..	1.0	..	..	0.1	..
4	..	..	..	..	0.1	..	..	..	0.2	0.8	..	..	..	..	..	0.2	0.2	0.6	0.1	0.6	..	0.2	0.8	..	0.1	..	..	..	0.2	..	..
5	..	0.3	..	..	0.1	..	..	..	0.4	1.0	..	..	..	..	..	0.5	0.8	0.2	0.8	1.0	..	0.3	1.1	..	..	..	0.4	..	..	..	..
6	..	0.3	..	..	0.2	..	..	..	0.7	0.3	0.3	..	..	..	..	0.9	..	1.0	0.4	0.9	..	0.9	..	..	..	0.4	..	..	..	..	..
7	..	0.1	..	..	0.2	..	..	..	1.4	1.6	..	0.2	..	..	..	0.7	..	..	0.2	..	..	..	..	..	..	0.1	..	..	..	..	..
8	..	0.1	..	..	..	..	..	..	1.0	1.2	..	..	..	..	..	0.6	0.2	0.1	0.1	0.6	..	0.4	0.2	..	..	..	..	..	..	0.1	..
9	..	..	..	..	..	..	..	..	0.3	1.2	..	..	..	..	..	..	0.7	..	0.2	0.6	..	0.5	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	0.1	4.5	..	..	..	..	..	..	0.6	..	..	1.1	0.5	0.6	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	0.2	0.5	..	..	0.1	0.6	0.1	..	..	..	..	..	..	0.2	..	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.5	..	..	0.3	0.2	..	..	..	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	0.3	..	..	0.3	0.2	0.1	..	..	..	..	..	..	..	..	..
14	0.1	..	..	..	..	..	..	..	3.3	..	..	0.2	..	..	0.1	0.4	..	..	0.2	0.2	0.3	..	..	..	..	..	..	..	..	..	0.2
15	0.7	..	..	..	..	..	0.7	..	0.5	0.5	0.6	..	..	..	0.1	..	0.1	..	..	..	0.3	0.1	..	..	..	..	..	..	..	..	..
16	0.2	..	..	..	..	..	..	..	0.2	0.5	7.2	..	..	..	0.1	..	0.3	..	..	0.3	0.1	..	..	..	..	..	..	..	..	..	..
17	0.1	..	..	..	..	..	..	0.4	0.4	..	..	..	..	..	..	..	0.5	..	..	..	0.1	0.4	..	..	..	..	..	..	..	..	..
18	1.1	..	..	..	..	..	..	1.1	2.2	0.3	..	..	..	..	..	0.1	1.3	..	..	..	..	0.8	..	..	..	..	..	..	..	..	..
19	1.3	..	..	..	..	..	..	0.2	2.4	0.4	..	..	..	..	0.7	..	1.3	..	0.2	..	0.2	0.8	..	..	..	..	..	..	..	..	..
20	0.9	..	..	0.2	..	..	..	0.4	0.1	..	..	..	..	..	..	1.0	1.4	..	0.5	..	0.1	0.5	0.2	..	..	..	..	..	..	..	1.8
21	1.1	..	..	0.2	..	..	..	0.4	..	..	..	..	..	..	1.0	..	1.2	..	0.4	..	0.2	0.4	0.2	0.1	..	0.4	..	..	..	..	..
22	0.5	..	..	0.4	..	..	0.1	..	0.9	..	..	..	..	..	..	0.2	1.6	0.1	0.5	..	0.2	0.6	..	..	..	0.1	..	..	..	..	..
23	1.7	..	..	0.7	..	..	0.2	..	0.2	0.1	..	..	..	..	0.2	0.5	0.6	0.5	0.4	..	0.1	0.1	..	0.2	..	..	..	..	..	..	..
24	1.0	..	..	0.2	..	..	0.1	0.1	0.2	..	..	..	..	..	0.8	0.8	2.3	..	0.2	..	0.1	..	..	0.4	..	..	..	..	..	..	..

TABLE XV - TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR J U L Y, 1941

- RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20	1.33	33.8	2.32	12
	St Antoine	50	2.20	55.9	2.72	14
	Bel Mont	50	1.56	39.6	2.86	8
	Poudre d'Or	20	1.95	49.5	2.89	8
	Mon Loisir S.E.	300	2.41	61.2	3.54	18
	Forbach	300	1.95	49.5	2.08	9
	Couroupa	...	1.00	25.4	3.07	3
	Labourdonnais	290	2.64	67.0	3.10	11
	Mapou Water Office	...	2.65	67.3	...	6
	Beau Sejour	300	3.08	78.2	4.16	17
	Mont Piton	650	2.74	69.6	4.16	11
	Mon Choix	700	2.41	61.2	3.54	13
	Antoinette	640	3.31	84.1	3.96	19
	Mon Songe	620	2.70	68.6	4.23	17
	Botanical Gardens	325	2.11	53.6	3.11	25
	The Observatory	179	2.03	51.5	2.28	21
	Solitude	175	...	...	1.34	..
	St Andre (Cour)	90	...	...	1.90	..
	La Nicoliere	...	4.98	126.5	4.89	24
	California	...	4.92	125.0	...	18
	Australia	...	3.91	99.3	...	12
2 & 3	Union Regnard (Flacq S.E.)	600	6.75	146.0	4.83	20
	Constance d'Arifat (;L.G.)	600	4.30	109.2	4.79	22
	Rich Fund	100	6.44	163.6	3.73	20
	La Joffrette	...	8.07	205.0	...	18
	Belle Vue Allendy	...	4.61	117.1	4.07	21
4	Sans Souci	900	13.94	227.1	9.73	26
	Beau Champ (G.R.S.E.)	20	...	...	3.19	..
	Olivia	400	...	...	5.57	..
	Trois Ilots	...	...	...	...	..
	Belle Rive	400	...	...	...	..
	Sebastopol	700	...	...	...	..
	Bonne Veine	400	9.26	235.2	7.60	24
5	Rose Belle	850	...	...	8.40	..
	New Grove	650	7.74	196.6	8.48	27
	Mon Tresor	...	5.23	132.8	...	18
	Mon Desert Carie	75	3.13	79.5	2.98	19
	Ferney	20	5.10	129.5	5.00	19
	Sauveterre	...	3.25	82.6	...	18
	Tivoli	1050	13.03	331.0	8.67	29
	La Flora	1300	11.41	289.8	9.38	29
	Riche Bois (Brit.)	650	5.92	150.4	6.92	25
	Britannia (Estate)	700	7.23	183.6	6.45	24
6	Savannah Mill	200	3.91	99.3	3.86	22
	St Aubin	300	4.91	124.7	4.53	21
	St Avold	900	8.61	218.7	7.38	27
	Colmar	400	7.17	182.1	5.27	24
	Union S.E.	...	5.93	150.6	3.95	17
	Fontenelle	320	5.31	134.9	4.89	18
	Choisy	200	3.98	101.1	2.90	13
	Beau Bois	...	10.06	255.5	...	25
	Bel Air	...	...	...	3.70	..
	St Felix	...	5.95	151.1	...	..
7, 8, 9 & 10	Bel Ombre	40	3.89	98.8	2.94	19
	Beau Champ (B.du Cap)	70	4.71	119.6		
	Frederica	...	5.47	138.9	3.50	20
	Pierrefonds	...	1.23	31.2	1.14	12
	Ste. Marie	...	5.61	142.5	...	18
	Hussonia	...	...	...	...	..
11	Curepipe Gardens	1840	10.15	257.8	8.17	24
	Mare aux Vacoas (G.Emd)	1850	12.31	312.7	11.28	27
	Mare aux Vacoas (Arnaud)	1830	14.61	371.1	11.21	30
	La Marie Filter Beds	1700	8.95	227.3	6.72	24
	Sophie	...	...	...	...	..
	Reunion	1420	5.23	132.8	5.22	18
	Aerological Station	1393	4.81	122.3	4.50	26
	Phoenix	...	6.70	170.2	...	12
	Quatre Bornes	...	2.76	70.1	...	14
12	Quatre Bornes (Board)	1090	1.92	48.8	2.03	5
	Le Reduit (D. of A.)	1000	2.85	72.5	2.50	31
	Alma	1460	8.51	216.2	7.97	22
	Bagatelle	1250	6.27	159.3	3.96	18
	Highlands	1300	7.01	178.1	4.49	17
	Trianon	950	2.94	74.7	2.73	14
	Val Ory	1100	...	...	3.10	..
	Bassin	...	1.56	39.6	2.14	10
	Hermitage	1450	6.36	161.5	7.82	18
	Ebene	...	2.66	67.6	...	16
	Bega	...	1.76	44.7	...	15
	Mon Reve	...	3.79	96.3	...	16
	Mont Pevril	...	2.95	74.9	...	16
	Minissy	1150	4.20	106.7	3.20	16
	Plaisance	...	2.89	73.4	...	15
	La Ferme	350	.22	5.6	1.25	8
13	Line Barracks	...	1.10	27.9	...	16
	Tobacco Research Station(Richelieu)	...	.56	14.3	...	..

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE AEROLOGICAL STATION, VACOAS, 424.5 METRES ABOVE SEA LEVEL, DURING THE MONTH OF J U L Y, 1941

Type / Day	Time	St & Fs		Cumulus Cu. St & c.		Alto. Cu. Alto. St.		Cirro Cumulus		Cirro Cumulus		Cirrus			St. & Fs.		Cumulus Cu.St. & c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height		Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height
										N I L																

NEW SERIES (MONTHLY) VOL.XVII PART VIII

MAURITIUS

ROYAL ALFRED OBSERVATORY

LATITUDE 20°51' 39"S., - LONGITUDE 3h 50m 12.6"

RESULTS OF MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF AUGUST, 1941

N.R.Mc CURDY, B.Sc. F.R.MET. SOC

DIRECTOR

PUBLISHED IN 1965 BY

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TABLE I - RESULTS OF MAGNETICAL OBSERVATIONS MADE DURING THE MONTH OF AUGUST, 1941

Month and Day 1941	Mean Declination (West)	Mean Horizontal Force (C.G.S.) Units	Mean Vertical Force (C.G.S.) Units	Daily Range + Declination	Daily Range + Horizontal Force (Unit)	Daily Range + Vertical Force (Unit)	H.R.h. 10,000	Z.R.z. 10,000
AUG.								
1	14° 10'.3	.22413	.29909	5.4	30	19	67	51
2	09.8	387	908	7.7	95	35	213	104
3	09.3	386	909	8.5	63	33	141	99
4	09.6	363	916	9.0	180	47	403	140
5	10.6	360	926	7.5	67	17	150	51
6	10.7	367	921	6.5	60	32	134	96
7	09.6	394	913	6.0	40	27	90	81
8	10.8	403	914	4.8	24	26	54	78
9	10.4	413	908	7.0	29	36	65	108
10	10.2	421	908	7.2	26	32	59	96
11	10.1	426	905	7.5	42	36	94	108
12	10.4	416	909	6.0	43	28	96	84
13	09.9	412	907	5.3	29	19	65	57
14	10.0	416	911	5.5	32	18	72	54
15	10.7	414	912	6.0	28	15	63	45
16	09.9	416	906	6.5	21	27	47	81
17	10.1	416	907	8.0	22	30	49	90
18	10.8	423	907	9.0	12	32	27	96
19	10.7	410	905	9.0	75	27	168	81
20	10.4	415	908	7.2	51	32	114	96
21	10.3	423	910	6.0	55	24	123	72
22	10.0	428	907	8.5	51	33	114	98
23	10.4	418	904	8.0	17	38	38	113
24	10.7	419	905	7.5	43	42	96	125
25	10.3	420	906	8.8	44	40	99	119
26	10.7	400	908	10.0	92	49	206	146
27	10.1	366	916	10.0	95	31	213	93
28	10.6	385	918	7.3	61	21	137	63
29	10.8	391	915	9.5	60	31	134	93
30	10.1	406	914	8.0	46	36	103	107
31	11.0	413	917	7.8	26	30	59	90
Mean	14° 10'.30	.22404	.29911	7.45	50.3	30.4	112.7	91.0

Description of the Principal Magnetic Disturbances

Horizontal Force : 2nd slightly disturbed. Irregular features of minor character. 3rd slightly disturbed at times. 4th sudden commencement at 5h 25m of a moderately intense disturbance which subsides during the first hours of 5th. The trace is quiet after the 5th at 8h. Disturbance starts with a sudden increase of 20 ↘ followed by waves of 35 ↘ to 40 ↘. From 4th 11h a sustained and considerable decrease in force takes place; the absolute range amounts to 215 ↘ . This is followed by irregular fluctuations in force of the order of 55 ↘ to 60 ↘ . Sharp positive wave of 55 ↗ centred at 1h on 5th. 6th slightly disturbed at times. 7th slightly disturbed. 19th, 20th & 21st slightly disturbed in parts. 24th. slightly disturbed. 25th slightly disturbed at end; beginning of a moderately disturbed period throughout and which lasts till the end of the month. 27th wave like fluctuations, mainly positive of 20 ↘ range. 28th large positive wave of the order of 50 ↘ centred at 2h 30m. 29th & 30th irregular features mainly. 31st trace gradually becoming quiet.

T = .37371 : Mean Dip = 53° 9'.96 : X = .21722 : Y = .05485 : Z = .29911

\+ 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, 1941

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.	° '	
1. 12. 50	14. 11. 2	4. 12. 40	.22391	1. 12. 59	53. 09.32	.29908
8. 14. 16	14. 10. 7	8. 9. 23	.22404	8. 12. 27	53. 09.33	.29905
12. 13. 48	14. 09. 7	20. 10. 01	.22423	12. 13. 34	53. 08.69	.29901
19. 14. 49	13. 59. 1	22. 9. 30	.22431	19. 14. 54	53. 09.37	.29885
26. 15. 16	14. 05. 8	27. 9. 56	.22425	26. 15. 27	53. 08.32	.29875
		30. 9. 31	.22413			

TABLE III - MAGNETIC DECLINATION (WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

AUGUST, 1941

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
								13° +									
Midnight	103	110	120	110	140	105	120	107	100	100	100	100	100	105	100	100	Midnight
1	100	105	115	107	120	100	125	115	100	100	100	100	100	100	100	100	1
2	103	105	105	106	127	100	100	115	100	100	100	097	100	100	100	100	2
3	100	103	100	105	130	095	080	095	100	100	100	095	100	085	100	100	3
4	100	107	093	100	105	097	085	100	103	103	100	097	095	087	100	100	4
5	100	103	090	090	070	095	090	100	103	100	095	100	100	095	095	097	5
6	100	103	090	047	065	080	080	103	100	100	095	095	095	095	087	090	6
7	090	065	080	055	065	070	075	095	095	083	085	085	087	085	085	090	7
8	095	085	085	055	080	080	065	107	100	100	093	093	095	083	093	100	8
9	105	110	100	060	095	100	085	130	130	120	105	115	110	090	115	120	9
10	120	127	100	080	105	125	097	135	140	133	120	127	120	110	135	125	10
11	127	110	105	130	125	135	103	135	135	135	130	135	120	130	150	123	11
Noon	120	100	120	120	123	130	095	115	115	130	125	123	100	130	140	100	Noon
13	110	070	100	080	115	123	080	100	095	085	110	110	080	110	125	080	13
14	100	075	070	065	105	105	065	100	075	080	085	100	070	093	105	060	14
15	075	055	035	050	100	095	070	090	070	065	055	075	067	080	100	065	15
16	073	050	045	070	100	093	080	087	070	063	060	080	075	075	090	085	16
17	085	090	070	100	107	100	105	100	085	090	090	100	090	090	095	100	17
18	100	090	090	125	115	110	115	110	107	105	107	110	100	103	105	110	18
19	107	120	097	110	115	135	117	115	115	115	115	115	113	110	110	113	19
20	113	100	100	127	115	120	120	115	115	117	113	120	115	113	113	110	20
21	115	120	105	140	115	123	120	110	113	115	113	115	120	110	110	105	21
22	113	125	107	127	110	125	120	115	110	110	115	107	120	110	105	105	22
23	115	123	115	135	110	130	115	103	107	105	115	105	110	107	103	107	23

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
								13° +									
Midnight	100	100	100	110	105	105	100	100	105	130	115	127	115	115	110	108	Midnight
1	100	100	103	107	105	100	105	100	103	125	130	133	110	110	120	108	1
2	100	100	103	105	105	100	113	100	105	120	130	125	115	120	115	107	2
3	100	095	100	100	107	095	115	103	105	120	140	120	110	120	105	104	3
4	100	097	100	100	105	095	115	105	107	115	135	125	110	080	110	102	4
5	095	100	097	100	100	100	103	107	105	090	125	115	110	107	100	099	5
6	085	097	095	095	100	095	100	105	100	095	075	120	105	105	100	093	6
7	083	095	080	085	080	085	100	085	085	075	070	100	095	070	095	083	7
8	090	115	090	095	090	093	105	100	087	080	080	095	105	087	107	091	8
9	115	130	130	125	115	120	125	120	105	110	100	095	120	100	130	111	9
10	135	140	140	145	135	145	140	135	130	135	105	110	135	127	145	126	10
11	145	150	155	140	130	130	135	150	143	150	107	125	135	130	143	132	11
Noon	130	155	150	120	107	110	125	147	140	155	100	103	135	130	135	124	Noon
13	110	140	140	100	090	100	115	140	110	140	080	095	100	100	125	105	13
14	090	115	100	080	080	080	085	100	080	085	055	060	080	070	115	085	14
15	070	080	070	073	075	060	060	067	055	060	040	050	045	050	080	067	15
16	065	065	065	080	080	065	060	060	060	055	047	065	055	053	067	069	16
17	080	080	080	095	100	090	085	080	085	070	080	083	080	080	085	089	17
18	100	100	100	100	107	105	103	100	100	100	085	100	105	110	105	104	18
19	105	105	103	105	110	110	090	115	110	105	115	110	110	107	107	111	19
20	105	107	105	107	113	110	110	115	103	110	125	120	115	110	110	113	20
21	107	110	120	107	115	107	105	110	115	110	127	123	140	115	110	115	21
22	105	105	110	107	110	105	105	107	107	127	130	125	120	115	113	113	22
23	105	105	115	105	115	100	103	105	115	125	130	123	130	120	115	113	23

TABLE IV - MAGENTIC 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, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day / Hour
Midnight	410	403	351	381	313	357	366	389	402	409	420	403	412	412	409	411	Midnight
1	405	395	357	385	350	370	367	393	403	410	423	402	412	412	411	412	1
2	417	391	369	401	345	375	378	392	403	417	429	407	411	411	412	413	2
3	415	391	375	395	350	378	390	405	407	416	427	410	417	420	413	413	3
4	412	393	386	397	353	389	403	406	409	417	428	415	417	428	417	415	4
5	413	397	385	400	365	385	405	403	411	418	431	417	420	423	418	418	5
6	413	400	390	428	380	352	402	402	412	420	432	421	419	421	427	420	6
7	417	425	395	440	363	355	397	409	413	425	437	430	423	425	423	423	7
8	423	435	403	455	372	400	400	410	417	429	443	438	428	428	429	427	8
9	427	433	403	420	377	397	405	405	415	433	445	445	429	430	430	428	9
10	427	427	400	450	376	385	403	400	412	435	451	437	420	439	422	426	10
11	425	410	414	435	375	370	[illegible]	402	407	413	432	450	434	419	413	423	11
Noon	419	402	405	415	380	376	406	413	416	435	443	430	421	430	410	421	Noon
13	410	397	390	392	373	363	403	412	424	432	431	421	410	417	418	422	13
14	411	385	396	365	375	352	402	407	431	423	432	419	401	413	420	419	14
15	416	392	397	325	368	345	399	405	423	421	430	418	401	410	413	418	15
16	412	390	382	305	363	340	399	402	414	419	425	415	400	400	406	412	16
17	410	372	373	260	355	350	395	399	408	414	421	411	402	410	402	413	17
18	410	365	373	240	356	360	393	402	410	421	421	410	410	409	407	410	18
19	409	340	377	280	345	357	392	401	410	421	416	415	411	411	410	407	19
20	408	353	372	272	337	358	381	399	412	420	413	416	410	411	411	407	20
21	401	341	390	290	343	364	377	400	412	420	411	414	405	410	410	410	21
22	397	341	385	300	353	361	388	400	411	419	408	413	414	409	410	408	22
23	407	345	380	310	353	372	387	400	413	420	410	415	413	407	412	411	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Day / Hour
Midnight	411	417	415	391	403	400	410	413	[illegible]	390	360	365	383	380	415	395	Midnight
1	412	419	427	398	405	403	410	413	406	391	365	357	387	398	400	397	1
2	413	419	423	401	406	405	412	412	409	390	380	370	385	390	401	401	2
3	414	421	425	403	405	410	411	417	405	393	385	400	391	392	415	405	3
4	418	421	431	406	409	415	411	420	405	402	383	383	392	418	411	408	4
5	421	422	427	405	415	412	412	418	408	410	383	380	395	415	415	409	5
6	425	423	431	406	417	417	415	421	413	417	395	387	393	415	423	412	6
7	423	425	440	413	422	425	419	430	420	415	395	393	400	415	421	416	7
8	425	425	438	418	425	427	421	441	428	428	398	399	403	423	420	422	8
9	425	424	433	422	421	430	425	435	433	433	405	407	402	422	415	422	9
10	419	421	432	419	432	431	422	430	434	432	389	418	407	426	413	422	10
11	410	418	428	417	435	445	410	423	421	435	395	415	410	420	423	419	11
Noon	403	413	417	431	445	451	411	412	431	434	371	408	407	412	426	417	Noon
13	407	423	403	442	450	450	411	405	419	425	375	397	396	415	423	413	13
14	409	425	402	439	442	449	409	411	425	421	360	385	400	423	420	410	14
15	411	421	391	425	[illegible]	445	408	409	425	403	335	375	410	415	422	405	15
16	409	418	365	406	420	431	409	407	417	380	320	364	400	402	415	397	16
17	411	420	367	393	412	418	409	400	417	379	315	363	380	393	409	391	17
18	413	423	375	395	413	413	410	402	410	380	315	366	350	394	413	391	18
19	414	423	381	397	415	412	411	405	415	372	310	375	371	400	413	392	19
20	413	417	378	400	405	415	412	406	415	357	328	375	378	392	405	391	20
21	412	414	380	405	400	415	412	402	412	343	340	375	385	389	400	391	21
22	412	415	387	406	400	415	413	400	405	350	345	383	377	390	403	392	22
23	415	418	387	405	395	413	413	398	390	345	361	376	365	391	4024	392	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, 1941

29000 + (C.G.S. UNIT)

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	909	911	919	915	931	922	922	907	916	913	911	911	912	910	912	911	Midnight
1	910	912	919	916	920	919	921	915	915	912	911	911	911	910	912	912	1
2	909	912	917	913	927	919	917	914	914	911	910	910	911	910	912	912	2
3	909	912	916	913	925	918	915	911	913	910	909	910	910	909	912	911	3
4	910	913	914	913	921	919	915	911	912	910	908	909	910	908	911	911	4
5	910	912	914	912	921	920	913	912	913	910	907	909	910	908	911	911	5
6	909	911	915	908	918	919	913	915	913	910	909	909	909	909	909	910	6
7	906	906	911	907	920	917	911	913	912	910	906	906	908	906	909	907	7
8	909	911	914	912	927	923	915	920	916	914	911	910	911	910	912	908	8
9	913	911	917	917	931	932	917	925	919	918	916	916	913	917	917	911	9
10	916	911	913	915	935	937	918	925	921	921	915	921	913	920	921	913	10
11	917	906	910	919	931	935	915	925	917	918	907	921	906	921	921	913	11
Noon	913	905	905	906	930	920	910	922	900	911	896	910	895	920	915	909	Noon
13	905	891	901	899	925	911	895	915	889	899	887	901	894	913	910	895	13
14	902	887	886	892	922	910	896	902	885	889	880	893	896	909	906	869	14
15	898	884	887	895	923	905	900	900	887	891	879	893	897	903	908	892	15
16	900	894	893	905	927	910	905	899	891	893	891	899	900	903	908	892	16
17	904	909	903	923	931	919	912	902	900	903	901	905	905	907	909	900	17
18	909	911	903	939	931	923	917	910	909	909	907	909	908	911	912	907	18
19	909	919	915	931	929	926	918	915	912	910	908	910	910	911	911	901	19
20	910	914	915	935	929	923	919	916	913	911	909	910	910	912	911	910	20
21	910	918	912	933	927	923	920	917	913	912	909	911	911	911	911	910	21
22	910	919	913	933	925	923	919	918	913	911	911	912	912	912	911	909	22
23	911	919	915	932	923	922	918	917	913	911	913	911	911	912	911	909	23

29000 + (C.G.S. UNIT)

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	909	909	907	912	910	911	910	908	911	915	923	925	921	923	917	914	Midnight
1	909	909	906	911	910	910	910	907	910	915	923	928	919	921	919	914	1
2	909	909	907	911	909	909	909	907	909	913	921	926	919	923	919	913	2
3	909	909	908	911	910	908	909	906	909	911	920	917	918	921	917	912	3
4	909	909	907	911	910	909	909	906	909	910	919	920	918	916	917	912	4
5	909	910	909	911	910	910	910	907	909	907	916	917	917	920	917	912	5
6	907	910	906	911	910	910	910	907	908	907	910	917	917	917	914	911	6
7	906	910	908	910	909	908	910	906	905	903	906	913	914	911	913	909	7
8	909	915	909	913	913	913	912	912	911	910	910	914	917	914	920	913	8
9	913	920	912	920	919	919	917	915	917	917	915	917	920	919	927	918	9
10	917	921	913	921	921	921	917	919	920	919	920	920	923	919	931	920	10
11	916	921	907	914	913	910	909	911	915	918	913	918	915	915	925	916	11
Noon	911	910	891	891	904	899	903	907	903	915	911	915	907	912	919	909	Noon
13	901	900	889	889	901	894	892	901	887	903	907	913	907	907	917	901	13
14	892	893	886	889	897	889	881	885	880	881	899	907	899	895	913	894	14
15	887	889	889	891	899	888	879	877	881	874	898	910	894	887	901	893	15
16	891	890	896	897	906	894	879	882	891	879	906	911	901	897	901	898	16
17	901	899	906	904	912	902	891	893	901	895	916	913	911	911	912	906	17
18	909	906	912	909	913	909	901	904	907	906	909	920	920	919	916	912	18
19	909	907	913	911	912	911	906	909	909	909	927	920	920	916	916	914	19
20	909	907	913	912	913	912	907	911	910	912	929	921	920	917	916	915	20
21	909	908	907	911	914	911	909	911	910	916	925	921	925	919	917	915	21
22	909	907	914	911	912	911	909	912	910	923	927	921	921	919	917	915	22
23	909	907	913	911	913	910	909	912	915	921	926	921	925	921	917	915	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, 1941

Month and Day 1941	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 (C-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
AUG.	mbs.	°C	°C	°C	%	mbs	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms	mins	hrs	%
1	973.8	18.7	0.6	17.7	94	20.3	95	1.3	10	18.5	18.1	20.0	18.4	22.3	17.8	4.5	9.1	220	4.6	42
2	973.6	18.8	1.1	17.0	90	19.4	95	4.5	7	17.8	19.1	20.8	17.2	22.0	17.2	4.8	0.4	10	9.8	88
3	973.2	19.1	1.7	16.3	84	18.5	100	2.2	8	17.0	19.0	20.4	17.0	21.6	16.7	4.9	1.8	30	9.1	82
4	975.6	20.0	3.0	14.9	73	16.9	105	4.9	8	15.5	18.9	19.7	17.8	20.6	15.4	5.2	1.5	65	8.5	76
5	975.6	18.7	1.8	15.7	83	17.8	95	5.4	10	16.8	18.1	20.4	17.5	21.3	16.1	5.2	2.5	100	6.3	57
6	973.6	20.0	3.0	14.9	73	16.9	110	4.0	5	16.9	19.3	20.5	16.8	21.7	16.0	5.7	0.5	25	10.2	91
7	972.5	18.5	1.1	16.7	90	19.0	80	4.0	9	16.3	17.6	20.6	16.9	21.7	15.0	6.7	2.7	75	3.0	27
8	972.9	20.5	3.4	14.8	70	16.8	100	4.5	3	17.0	19.5	21.0	17.5	22.4	15.9	6.5	...	...	10.9	87
9	973.2	20.5	3.8	14.0	66	16.0	90	5.8	5	15.9	19.3	21.2	17.2	22.3	15.8	6.5	...	...	10.7	95
10	973.5	20.3	3.6	14.1	68	16.1	90	5.4	2	16.3	19.5	20.3	17.1	22.5	15.3	7.2	1.0	60	10.1	90
11	972.0	19.1	3.2	13.5	70	15.5	95	4.9	6	16.4	18.6	20.0	16.1	21.9	15.0	6.9	6.2	390	9.4	84
12	972.4	16.8	0.4	16.2	96	18.4	85	5.8	10	15.4	16.3	17.1	16.2	18.3	15.5	2.8	7.8	390	2.1	19
13	974.7	17.7	1.0	16.0	90	18.2	90	6.7	10	15.7	17.2	19.2	17.8	21.0	15.7	5.3	8.8	330	6.9	62
14	975.5	18.9	1.5	16.4	86	18.7	90	6.3	8	17.0	18.1	19.2	17.4	20.1	16.8	3.3	5.6	290	9.2	81
15	974.5	18.7	1.5	16.2	86	18.4	90	6.0	7	16.5	17.6	17.4	16.7	20.3	15.8	4.5	12.4	315	6.7	59
16	973.9	17.9	1.0	16.2	90	18.4	85	3.1	7	15.6	17.2	18.0	16.5	20.9	15.0	5.9	18.1	350	7.5	66
17	974.1	18.7	1.3	16.6	88	18.9	115	5.4	9	16.2	18.1	18.3	17.1	20.3	16.2	4.1	4.0	165	5.7	50
18	974.7	18.7	1.0	17.1	90	19.5	80	6.3	9	16.6	17.7	18.3	17.7	20.3	16.5	3.8	10.9	325	3.5	31
19	973.7	18.9	0.5	18.1	96	20.0	80	3.6	9	17.8	18.5	18.1	16.5	21.2	17.5	3.7	3.9	180	3.0	34
20	972.0	19.8	2.3	16.0	79	18.2	90	0.9	5	14.9	19.0	21.5	17.1	22.4	15.2	7.2	...	...	10.8	94
21	971.1	20.5	2.8	15.9	75	18.1	60	1.3	3	16.5	19.5	21.7	18.6	24.2	16.3	7.9	0.2	10	7.7	67
22	970.5	20.9	2.7	16.4	76	18.7	40	0.9	4	17.2	20.0	24.7	17.7	25.5	16.4	9.1	...	...	10.8	94
23	971.8	19.7	1.0	18.1	91	20.8	CALM		10	17.6	18.9	20.6	18.1	22.2	17.3	4.9	0.3	20	0.4	4
24	971.5	20.5	2.1	17.1	81	19.5	CALM		10	17.7	21.1	19.5	17.3	21.3	16.7	4.6	0.5	20	1.3	12
25	971.6	19.8	3.0	14.7	73	16.7	135	4.5	8	16.6	18.8	20.7	15.8	22.6	16.3	6.3	...	...	10.3	90
26	971.7	19.5	4.3	11.8	61	13.8	120	0.9	2	14.1	19.1	22.3	17.3	22.0	13.7	8.3	0.5	20	11.0	95
27	971.6	19.3	3.0	14.1	72	16.1	130	4.0	5	16.3	18.2	17.2	16.1	21.1	15.7	5.4	1.5	245	8.6	75
28	971.7	19.4	4.5	11.3	60	13.4	100	2.2	1	15.1	18.5	20.2	13.7	21.7	14.2	7.5	...	...	10.9	94
29	974.0	18.9	3.0	13.7	72	15.7	110	3.6	5	13.3	17.6	19.8	16.2	21.2	12.0	9.2	...	...		
30	975.9	19.7	5.9	8.5	49	11.1	90	5.4	2	15.7	19.5	19.2	16.3	20.7	14.5	6.2	...	...	8.7	75
31	976.3	17.3	1.5	14.7	85	16.7	120	5.8	8	15.0	16.7	16.8	15.0	18.1	14.4	3.7	4.6	275	5.1	44
Mean	973.3	19.2	2.3	15.6	79.3	17.5	...	3.9	6.6	16.3	18.5	19.8	16.9	21.5	15.7	5.8	104.8	3910	7.50	71.6
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	- 41.6	Amount of Rain	- 20.7 mms
Temperature of the Air	+ 1.2 °C	Duration of Sunshine	+ 0.18 hrs
Vapour Pressure	+ 0.9 mbs	Mean of Maximum Temperatures	+ 3.0°C
Relative Humidity	- 2.6 %	Mean of Minimum Temperatures	+ 1.4°C
Velocity of Wind	- 0.4 m.p.s.	Absolute Minimum Temperatures	+ 1.0°C
Amount of Cloud	- 1.9	Absolute Maximum Temperatures	+ 1.1°C

Greatest Rainfall Intensity at Vacoas 2.4 mms in 5 mins.

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF AUGUST, 1941

Month and Day 1941	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 Temperature	Temperature of the Dew Point: Mean	Temperature of the Dew Point: Excess above Average	Relative Humidity (Sat. = 100): Mean	Relative Humidity (Sat. = 100): Excess above Average	Vapour Pressure	Minimum on the Grass	Rainfall: Amount recorded by Pluviograph	Rainfall: Duration	Amount of Evaporation	Mean Amount of Cloud (Scale 0-10)
AUG.	mbs	mbs	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs	°C	mms	mins	mms	
1	1015.1	+ 1.0	24.6	19.4	5.2	20.9	+ 1.2	1.2	19.0	+ 3.5	89	+ 13	22.0	14.5	12.0	135	3.8	6.8
2	1014.6	+ 0.5	25.0	18.7	6.3	21.0	+ 1.3	2.2	17.4	+ 2.1	80	+ 4	19.9	15.0	1.0	25	2.8	5.0
3	1015.2	+ 1.1	25.0	17.3	7.7	20.7	+ 0.9	2.6	16.4	+ 1.0	77	+ 1	18.7	12.9	0.2	5	3.9	2.0
4	1017.5	+ 3.4	24.6	17.6	7.0	20.8	+ 1.0	2.9	15.1	- 0.3	70	- 6	17.2	14.0	[illegible]	15	5.0	4.4
5	1017.1	+ 3.0	24.3	18.4	5.9	21.2	+ 1.4	3.0	16.3	+ 0.9	73	- 3	18.5	15.5	[illegible]	120	4.1	7.4
6	1015.0	+ 0.9	24.9	17.5	7.4	20.8	+ 1.0	3.0	15.9	+ 0.5	74	- 2	12.9	0.0	...	...	4.2	2.4
7	1014.1	0.0	24.1	16.7	7.4	20.0	+ 0.2	2.0	16.7	+ 1.3	81	+ 5	19.0	12.2	2.7	65	4.4	5.9
8	1014.6	+ 0.5	25.3	16.1	9.2	20.5	+ 0.7	2.9	15.7	+ 0.3	74	- 2	17.8	11.1	0.0	...	3.8	1.9
9	1014.6	+ 0.5	25.2	15.9	9.3	20.1	+ 0.3	2.9	15.2	- 0.2	74	- 2	[illegible]	10.5	0.0	...	3.8	2.4
10	1014.9	+ 0.8	24.6	17.8	6.8	20.4	+ 0.6	2.9	15.6	+ 0.2	74	- 2	17.7	12.2	0.8	35	3.7	4.4
11	1013.2	- 0.9	25.0	17.3	7.7	20.7	+ 0.9	3.0	15.7	+ 0.3	73	- 3	17.8	11.9	3.6	115	5.2	5.1
12	1014.0	- 0.1	23.0	17.8	5.2	20.2	+ 0.3	3.0	15.1	- 0.4	73	- 3	17.2	15.5	1.4	45	3.7	5.3
13	1016.5	+ 2.4	24.2	18.1	6.1	20.3	+ 0.4	2.3	16.5	+ 1.0	79	+ 3	18.8	14.9	11.8	310	3.9	7.2
14	1017.1	+ 3.0	24.0	19.2	4.8	21.0	+ 1.1	2.5	16.9	+ 1.4	77	+ 1	19.2	16.5	3.9	120	4.5	4.8
15	1016.3	+ 2.2	23.6	18.1	5.5	20.1	+ 0.2	2.2	16.5	+ 1.0	80	+ 4	18.8	15.0	2.6	60	3.3	4.4
16	1013.2	+ 1.5	24.3	16.4	7.9	19.8	- 0.1	2.1	16.3	+ 0.8	80	+ 4	18.5	11.8	10.8	130	1.7	4.7
17	1015.9	+ 1.8	24.1	18.2	5.9	20.4	+ 0.4	1.9	17.3	+ 1.8	82	+ 6	19.8	15.3	6.3	120	3.9	6.0
18	1016.4	+ 2.3	21.9	19.1	2.8	20.6	+ 0.6	1.3	18.6	+ 3.1	88	+ 12	21.4	17.1	9.0	230	2.6	7.1
19	1015.1	+ 0.9	24.6	16.6	8.0	20.7	+ 0.7	1.7	18.0	+ 2.5	84	+ 8	20.6	14.6	1.9	135	2.0	5.5
20	1013.4	- 0.8	25.0	14.9	[illegible]	19.8	- 0.2	2.6	15.5	0.0	76	0	17.6	12.9	0.0	...	3.4	2.4
21	1012.2	- 2.0	25.2	17.8	7.4	21.0	+ 1.0	2.5	16.9	+ 1.4	77	+ 2	19.2	13.0	0.0	...	5.0	3.2
22	1011.7	- 2.5	26.6	17.7	8.9	21.5	+ 1.4	2.4	17.6	+ 2.0	79	+ 4	20.1	13.9	0.0	...	4.7	3.3
23	1012.9	- 1.4	25.1	19.5	5.6	21.6	+ 1.5	1.5	19.3	+ 3.7	87	+ 12	22.4	15.6	8.0	95	3.7	7.6
24	1012.7	- 1.6	25.0	19.0	6.0	21.2	+ 1.1	1.6	18.7	+ 3.1	86	+ 11	21.6	16.3	2.0	128	2.9	8.1
25	1012.8	- 1.5	24.2	15.0	9.2	20.3	+ 0.2	3.1	15.1	- 0.5	72	- 3	17.2	10.2	0.0	...	1.4	5.5
26	1013.0	- 1.3	24.5	13.0	11.5	18.9	- 1.3	3.2	13.3	- 2.2	70	- 5	15.3	8.2	0.0	...	3.5	2.5
27	1013.3	- 1.1	25.0	17.1	7.9	20.1	- 0.1	3.0	15.0	- 0.5	73	- 2	17.1	12.1	0.0	...	3.8	3.9
28	1013.6	- 0.8	24.3	14.3	10.0	19.3	- 0.9	3.5	13.2	- 2.3	68	- 7	15.2	11.4	0.0	...	4.6	2.5
29	1015.9	+ 1.5	24.7	13.1	11.6	19.4	- 0.8	3.5	13.3	- 2.2	68	- 7	15.3	8.2	0.0	...	4.9	2.3
30	1018.0	+ 3.6	24.1	15.7	8.4	20.1	- 0.2	3.9	13.3	- 2.3	65	- 10	15.3	11.7	0.0	...	5.5	3.3
31	1018.7	+ 4.3	23.4	15.6	7.8	19.1	- 1.2	2.5	14.9	- 0.7	76	+ 1	16.9	10.6	1.0	60	5.5	6.7
Mean	1014.9	+ 0.7	24.5	17.1	7.4	20.4	+ 0.4	2.5	16.1	+ 0.7	76.7	+ 1.1	18.4	13.2	84.1	1948	3.8	4.7
Average	1014.2	...	23.9	16.5	7.4	20.0	...	2.7	15.4	...	75.6	...	17.5	13.2	62.5	1342	4.0	5.2
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

General Weather Conditions during the Month of August, 1941

The seasonal anticyclone to the south of Mauritius was well established during the first two decades. The winds were, however, not much above normal and the rainfall distribution fairly even over the island.

In the beginning of the last decade an extratropical depression formed to the south-east of Mauritius and in moving eastwards caused a flow of cool and dry air over the island which lasted until the end of the month. With the clear nights the nightly minimum temperatures were considerably below normal during this period.

TABLE VII (Cont'd) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF AUGUST, 1941

Month and Day 1941	Duration of Bright Sunshine	Percentage of Possible Sunshine	Observed Wind Velocity: Mean	Observed Wind Velocity: Excess above Average	Temperature of the Soil: 1o 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)
AUG:	hrs	%	m.p.s.	m.p.s	°C	°C	°C	°C	
1	4.1	37	2.1	- 1.6	25.2	24.6	23.1	23.0	b bro bc cR bcro cro o
2	9.4	84	3.1	- 0.6	25.1	24.4	23.1	23.0	cro bcro bc b
3	8.8	79	3.1	- 0.6	25.2	24.5	23.1	23.0	bc b bcro bc b
4	8.8	30	2.6	- 1.1	25.2	24.4	23.0	22.5	b bc bcro bc bcro
5	8.7	78	5.0	+ 1.3	25.2	24.4	23.1	22.7	cro bc cR
6	10.3	92	4.0	+ 0.3	25.3	24.4	23.2	22.7	b
7	3.4	30	2.6	- 1.1	25.2	24.4	23.0	22.5	b bcro c cro bc b
8	10.9	96	3.0	- 0.8	25.2	24.3	22.9	22.3	b
9	10.6	94	3.1	- 0.7	25.1	24.3	22.9	22.8	b
10	7.9	70	4.2	+ 0.4	25.1	24.3	22.9	22.4	b bcro cro bc b
11	10.5	93	4.2	+ 0.4	25.1	24.3	22.8	22.4	bcro b bc crocro
12	6.1	54	5.0	+ 1.2	25.1	24.3	22.8	22.3	bc bro cro c bc b
13	7.8	69	4.7	+ 0.9	25.1	24.3	22.8	22.4	bcro bcR cr bc cro cro
14	9.7	85	6.2	+ 2.4	25.0	24.3	22.8	22.4	bc bcro bc bro
15	7.4	65	4.4	+ 0.6	25.1	24.4	22.7	22.4	bcro bc bcro cro bcro b
16	7.5	66	4.0	+ 0.1	25.1	24.3	22.7	22.3	bcro c bcro
17	6.3	55	4.7	+ 0.8	25.1	24.4	22.7	22.1	bc bcro c cr bcro
18	2.4	21	4.6	+ 0.7	25.0	24.3	22.6	22.3	bcro cro bcro bc bcro
19	6.1	54	3.3	- 0.6	25.0	24.2	22.6	22.2	bro bcro cro bc b
20	11.1	97	1.9	- 2.0	25.0	24.2	22.7	22.3	bc b bc b
21	9.8	85	2.1	- 1.9	24.9	24.2	22.7	22.3	b bc b bc
22	10.5	91	1.8	- 2.2	24.9	24.2	22.7	22.7	bc b bc b
23	1.7	15	1.4	- 2.6	24.9	24.2	22.8	23.0	bc c cro cR c bc
24	2.6	23	1.4	- 2.7	24.9	24.2	22.9	23.3	bc o cro o
25	3.4	30	2.9	- 1.2	24.9	24.1	23.1	23.3	bc c bc b bo
26	8.4	72	1.9	- 2.2	24.9	24.2	23.1	22.7	bc b bc b
27	9.4	81	3.5	- 0.6	24.9	24.2	23.1	22.4	bc bc b
28	8.6	74	3.1	- 1.0	24.8	24.1	22.9	22.3	bc c bc b bo
29	11.0	95	4.3	+ 0.2	24.8	24.1	22.8	22.2	bo b bc b
30	9.0	78	3.8	- 0.3	24.9	24.1	22.8	22.2	b bc b
31	6.0	52	4.0	- 0.1	24.9	24.1	22.7	22.3	c cro bcro bc
Mean	7.68	67.5	3.48	- 0.41	25.03	24.28	22.87	22.55	
Average	7.57	66.6	3.89	...	24.87	23.81	22.67	21.91	
Column	19	20	21	22	23	24	25	26	27

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF AUGUST, 1941

Atmospheric Pressure	1020.1 mbs	at 09.00	on 31st	1010.2 mbs	at 15.00	on 22nd
Temperature of the Air	26.6°C	at 12.50	on 22nd	13.0°C	at 05.15	on 26th
Daily Range of Temperature of the Air	11.6°C		on 29th	2.8°C		on 18th
Temperature of the Dew Point	21.0°C	at 11.00	on 23rd	10.2°C	at 05.00	on 26th
Relative Humidity	96.4 %	at 10.00	on 23rd	48.8 %	at 15.00	on 26th
Minimum on grass				8.2°C		on 26th & 29th
Evaporation in 24 hrs	5.5 mms		on 30th & 31st	1.4 mms		on 25th
Vapour Pressure	24.9 mbs	at 11.00	on 23rd	12.4 mbs	at 05.00	on 26th
Rainfall in 24 hrs	12.4 mms	ending 04.00 on	on 2nd			
Duration of Sunshine	11.1 hrs		on 20th	1.7 hrs		on 23rd
Mean Day Temperature of Air	22.13°C		Mean Night Temperature of Air	18.66°C		
Wind Velocity	8.3 m.p.s.	at 10.00 hrs on 14th		0.6 m.p.s.		often

NUMBER OF DAYS OF

Mean Cloud Amount: 0	1 - 3	4 - 6	7 - 9	10	Rainfall: 0.1 - 0.9	1.0 - 4.9	5.0 - 9.9	10.0 - 24.9	25.0 & over	Lightning	Thunderstorm
...	11	13	7	...	3	10	3	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)

AUGUST, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	154	153	150	173	190	167	150	151	151	154	149	139	159	176	179	164	Midnight
1	151	151	147	172	189	164	142	149	150	155	141	136	160	175	176	161	1
2	148	149	141	171	184	160	139	143	143	151	140	131	158	170	171	158	2
3	146	148	140	170	179	154	134	141	141	148	134	130	153	167	166	154	3
4	144	147	137	170	175	151	133	140	150	131	129	152	161	161	161	151	4
5	143	144	138	170	171	150	131	139	140	147	129	130	153	164	160	150	5
6	146	146	141	172	174	151	135	141	141	151	130	132	155	169	160	152	6
7	151	149	148	179	178	156	141	148	148	153	131	139	162	172	165	158	7
8	156	154	151	181	181	159	148	153	154	159	138	142	170	180	169	161	8
9	161	159	160	185	183	160	151	160	160	166	141	149	176	182	170	163	9
10	169	161	160	185	185	160	151	158	158	166	141	150	179	183	174	166	10
11	161	156	158	181	180	156	150	153	153	161	138	147	175	182	171	160	11
Noon	152	149	151	175	173	151	141	147	146	153	131	139	170	173	164	155	Noon
13	146	137	146	169	165	142	132	139	138	150	123	131	161	168	157	149	13
14	140	131	141	161	160	134	130	134	133	140	117	130	157	160	156	143	14
15	140	130	140	161	156	130	128	131	131	133	114	130	153	159	150	139	15
16	140	131	143	163	153	131	130	131	131	131	114	130	157	157	151	140	16
17	142	135	147	169	156	134	131	134	134	132	118	131	159	160	152	146	17
18	150	140	151	171	159	139	135	141	141	137	122	136	159	160	152	146	18
19	151	143	159	176	163	144	141	147	146	140	128	141	164	170	158	157	19
20	155	147	165	182	165	149	150	151	151	144	136	151	172	177	162	162	20
21	157	150	170	187	170	151	154	156	154	150	140	159	178	180	166	166	21
22	158	150	173	190	171	153	153	157	156	151	140	160	180	180	167	167	22
23	156	150	174	190	169	151	152	157	157	149	139	160	181	181	168	168	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	163	167	171	150	139	129	131	139	139	138	140	142	151	175	200	156	Midnight
1	162	165	162	142	131	122	130	133	131	132	133	140	150	172	196	152	1
2	160	161	159	139	125	119	124	130	129	131	130	139	150	170	191	149	2
3	157	156	152	136	121	111	123	127	122	130	136	148	170	130	190	146	3
4	154	152	150	131	118	111	121	122	120	129	128	132	147	170	189	143	4
5	153	153	151	131	114	105	120	121	120	130	127	133	150	171	188	143	5
6	156	157	152	134	119	110	122	123	122	131	131	139	153	178	190	146	6
7	161	162	158	139	122	113	130	128	129	139	138	143	159	182	199	151	7
8	168	169	161	141	128	116	132	135	132	141	141	146	161	188	200	155	8
9	169	175	163	146	131	121	141	139	139	141	142	148	168	191	201	159	9
10	167	175	164	144	133	126	144	140	141	142	143	147	167	192	200	160	10
11	165	177	161	140	129	121	141	133	137	135	139	140	163	187	192	156	11
Noon	156	171	152	132	121	116	131	129	130	124	130	130	160	183	186	149	Noon
13	151	162	143	128	116	110	129	120	123	120	121	122	154	177	177	142	13
14	150	161	140	120	110	104	121	116	120	113	119	120	150	167	171	137	14
15	144	159	136	119	105	102	116	112	117	110	120	117	149	162	170	134	15
16	147	157	139	119	106	104	115	111	115	111	121	118	150	164	170	135	16
17	150	159	141	121	111	108	117	114	119	113	124	122	151	169	173	138	17
18	152	161	141	124	115	113	121	116	122	119	130	128	159	172	174	142	18
19	156	163	146	131	121	120	129	122	125	132	126	133	163	181	180	147	19
20	166	169	150	136	126	126	136	130	131	133	139	144	170	190	183	153	20
21	168	172	150	140	130	131	141	134	137	141	143	151	175	197	189	158	21
22	169	172	150	141	131	133	140	134	140	141	144	151	178	199	188	159	22
23	168	171	150	140	130	133	140	137	139	141	143	151	178	200	187	158	23

TABLE IX - AMOUNT OF CLOUD AT EVERY HOUR OF THE DAY (0-CLEAR SKY, 10-OVERCAST SKY)

Day / hour	AUGUST, 1941																															
	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	Mean
Midnight	1	10	3	1	7	9	2	1	3	1	2	10	2	10	2	1	4	5	6	1	3	5	0	7	10	0	3	2	0	2	2	3.7
1	1	10	0	1	8	5	2	1	3	2	4	6	4	5	4	1	4	5	2	0	2	5	4	4	7	0	0	0	0	2	8	3.2
2	1	10	0	1	8	3	2	1	3	2	4	6	4	5	4	1	4	5	2	0	3	5	4	3	7	0	0	0	0	2	8	3.1
3	2	10	0	1	8	2	2	2	3	2	4	3	4	2	3	1	4	5	2	0	2	5	4	2	7	0	0	0	0	2	8	2.9
4	3	7	0	1	8	2	2	2	3	2	4	3	4	2	3	1	4	5	2	0	2	5	4	2	7	0	3	0	0	2	8	2.9
5	5	7	3	1	9	1	10	1	3	10	3	3	6	5	4	1	3	10	4	0	2	3	8	7	9	2	3	9	0	2	8	4.6
6	5	5	6	1	9	1	8	1	3	10	3	3	6	5	3	1	3	10	4	1	2	1	8	7	9	2	4	9	1	2	8	4.5
7	5	5	6	3	9	1	10	1	3	10	3	3	6	5	3	5	5	10	5	1	2	1	8	7	9	2	4	1	1	2	8	4.6
8	7	8	6	6	9	2	10	1	3	10	3	5	7	8	3	6	5	10	6	2	3	5	8	5	8	3	5	1	2	4	7	5.4
9	10	8	8	6	7	2	10	2	2	10	3	6	8	8	6	6	6	9	7	3	4	6	10	2	5	3	5	1	3	4	8	5.7
10	10	5	5	6	8	2	10	2	2	7	3	8	8	8	6	7	6	9	7	3	4	5	10	10	7	3	6	1	3	5	8	5.9
11	9	4	5	7	6	2	9	1	4	5	4	8	9	8	7	9	7	9	9	3	4	5	10	10	8	3	5	7	3	5	8	6.3
Noon	7	3	4	5	5	4	8	1	4	4	4	8	8	5	8	9	9	9	9	4	4	6	9	10	8	3	8	8	6	5	9	6.3
13	7	3	4	5	4	4	8	1	4	5	6	9	7	5	9	7	8	9	7	4	3	4	9	10	7	6	8	5	6	9	8	6.2
14	10	3	4	6	4	3	9	1	4	5	5	9	7	8	9	7	4	3	3	7	10	8	5	6	6	5	5	6	5	9	8	5.9
15	10	3	4	6	4	3	9	2	4	4	4	7	5	5	8	7	8	7	7	4	3	3	8	7	7	7	4	6	6	5	5	5.9
16	3	3	3	5	6	2	7	3	1	3	5	8	8	5	8	5	8	7	10	4	3	3	9	10	5	4	6	2	3	5	7	5.2
17	3	3	3	5	7	2	7	3	1	3	5	8	8	5	5	5	8	7	10	3	3	3	9	10	5	3	6	2	3	5	6	4.9
18	10	3	1	5	7	2	7	3	1	3	5	8	8	5	5	9	8	7	10	3	3	3	9	10	3	3	4	1	3	1	4	5.0
19	10	3	1	9	7	2	5	3	1	1	5	2	10	7	1	9	8	3	10	3	4	2	10	10	0	2	3	1	2	0	4	4.5
20	10	3	1	4	9	2	1	3	1	1	10	2	10	1	1	9	8	3	7	3	4	2	10	10	0	2	3	0	2	3	4	4.2
21	10	3	1	4	9	2	1	3	1	1	10	2	10	1	1	4	5	6	1	3	4	2	7	10	0	3	3	0	2	6	4	3.8
22	10	3	1	7	9	2	1	3	1	2	10	2	10	1	1	4	5	6	1	3	1	0	7	10	0	3	2	0	2	2	4	3.8
23	10	3	1	7	9	2	1	3	1	2	10	2	10	2	1	4	5	6	1	3	5	0	7	10	0	3	2	0	2	2	4	3.8

TABLE X - DURATION OF BRIGHT SUNSHINE AT EVERY HOUR OF THE DAY AS RECORDED BY THE CAMPBELL-STOKES SUNSHINE RECORDER

Day / Hour	AUGUST, 1941																															
	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	0	0	0	0	0	0	0	0	0	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	5	3	9	0	18	0	26	11	0	21	0	10	0	16	2	14	0	0	60	0	4	2	22	2	32	32	10	26	0	7	5.4
8	12	50	50	52	25	53	26	60	60	35	60	60	5	30	45	10	36	8	51	60	42	56	0	60	16	60	60	60	60	22	56	21.3
9	60	48	20	47	55	60	30	60	60	2	60	60	45	56	60	26	60	55	60	60	60	60	0	50	56	60	60	60	60	36	24	25.2
10	20	25	60	60	40	60	1	60	60	10	60	57	40	60	33	60	54	24	60	60	60	60	0	2	34	52	38	60	60	60	44	22.9
11	14	60	50	60	60	60	53	60	60	60	60	29	45	55	16	60	30	5	24	60	60	60	0	0	5	38	56	60	60	60	43	22.7
Noon	21	60	60	60	60	60	40	60	60	60	60	52	60	54	48	60	50	6	24	60	60	60	11	0	45	34	46	56	60	60	51	25.0
13	10	60	60	60	60	60	50	60	60	60	60	12	60	60	48	51	54	19	60	60	60	60	18	10	12	22	57	54	60	29	28	23.9
14	60	60	42	60	60	60	0	60	59	60	60	17	60	60	35	33	44	0	54	60	60	60	60	2	6	25	29	14	60	60	24	22.4
15	10	60	60	46	60	60	0	60	54	60	60	24	50	60	45	46	35	12	31	60	60	60	13	0	13	41	59	16	60	60	50	22.1
16	0	60	60	38	56	60	5	60	60	60	59	59	46	60	27	36	0	14	0	60	60	60	0	0	0	60	45	59	60	60	60	20.9
17	12	55	57	38	44	60	0	60	60	41	47	0	42	60	60	53	0	0	0	60	50	60	0	0	0	0	0	59	60	60	1	19.3
18	14	20	5	0	0	9	0	31	30	24	26	0	5	25	13	12	0	0	0	35	14	60	0	0	19	16	24	10	35	30	1	7.1
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 238.2 hours and the total possible sunshine was 353.2 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)

A U G U S T, 1941

Day / Hour	1		2		3		4		5		6		7		8		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	1.0	19.4	0.7	19.2	1.2	19.0	2.0	20.1	2.8	20.1	1.2	17.7	1.5	17.6	1.5	Midnight
1	20.1	0.9	19.1	0.9	18.6	1.5	18.5	1.8	18.9	1.8	19.2	1.4	17.8	1.3	17.2	1.0	1
2	20.1	0.9	18.9	0.9	18.6	1.5	18.5	1.8	18.9	1.8	19.2	1.4	17.8	1.3	17.2	1.0	2
3	19.9	0.9	19.3	1.0	18.7	1.5	18.3	2.0	18.6	1.5	19.1	1.6	17.2	1.2	17.0	1.1	3
4	19.8	0.9	19.5	0.8	18.3	1.3	18.2	1.6	19.1	1.2	19.0	1.4	16.7	1.4	16.6	1.2	4
5	19.9	0.9	19.2	1.0	18.2	1.5	18.1	1.4	19.6	1.6	18.6	1.5	18.2	1.2	17.0	1.1	5
6	20.1	0.9	19.0	1.0	18.9	1.8	17.6	1.5	19.4	1.4	17.9	1.6	19.1	1.0	16.3	1.2	6
7	20.2	0.8	19.4	1.1	18.2	1.1	18.0	1.7	20.2	2.2	17.9	1.5	19.1	0.9	17.1	1.0	7
8	20.9	1.3	21.1	1.4	20.0	1.6	20.9	3.2	21.4	3.4	20.0	1.9	19.5	0.7	20.9	2.0	8
9	23.2	3.0	22.9	2.9	21.1	1.5	21.9	3.2	22.7	4.9	23.0	4.7	21.0	1.9	22.7	3.6	9
10	21.5	1.5	21.9	2.0	23.1	3.3	23.1	4.0	23.0	4.0	23.7	5.5	20.4	0.8	23.9	5.2	10
11	20.4	0.6	23.7	3.6	23.0	3.3	23.1	4.1	23.7	4.9	23.2	4.8	23.0	3.0	24.7	5.9	11
Noon	22.0	0.8	24.0	4.0	24.0	4.5	23.8	4.0	23.1	4.2	23.5	4.6	23.6	4.3	25.1	6.4	Noon
13	22.7	2.0	24.3	4.3	24.3	5.0	23.2	3.9	23.7	5.1	24.6	5.6	23.2	3.3	25.2	6.4	13
14	24.1	3.6	24.1	4.4	24.6	5.4	24.1	4.6	24.1	5.0	24.3	5.3	23.1	3.3	25.0	5.7	14
15	20.6	1.0	24.0	4.4	24.2	5.0	22.7	3.2	23.2	4.5	23.9	5.0	23.3	4.0	24.7	5.1	15
16	21.8	1.2	23.3	3.8	23.5	4.4	23.0	4.3	23.3	4.6	23.2	4.6	23.1	3.6	23.6	4.8	16
17	22.0	0.9	22.5	3.3	22.8	4.1	22.3	3.7	22.3	4.1	22.2	3.9	22.3	3.3	22.5	3.6	17
18	20.6	0.8	21.0	2.7	21.2	3.0	21.9	3.7	21.6	3.6	21.1	3.1	20.7	2.4	21.1	2.6	18
19	20.6	0.9	20.1	1.9	20.1	2.3	21.0	2.7	20.4	2.1	19.9	2.4	19.6	1.9	20.1	2.1	19
20	20.1	0.8	19.9	1.9	19.2	2.0	20.2	2.2	20.7	3.3	19.2	1.9	18.7	1.6	19.7	1.9	20
21	20.1	0.9	19.2	1.3	18.8	1.8	20.3	2.7	20.8	1.8	19.1	2.0	18.1	1.4	19.1	1.8	21
22	20.0	1.0	19.1	1.2	19.0	2.0	20.1	2.4	19.3	1.2	18.7	1.7	18.0	1.4	18.9	1.9	22
23	19.7	1.0	19.2	1.5	19.2	2.2	20.4	2.8	19.8	1.1	17.9	1.6	17.9	1.4	18.2	1.6	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	17.9	1.7	17.9	1.7	18.5	1.5	18.9	1.1	20.1	3.6	20.0	1.7	19.1	1.4	18.1	1.6	Midnight
1	17.9	1.6	18.3	1.5	18.3	1.4	18.8	1.3	19.3	2.3	19.3	1.6	19.0	1.3	17.9	1.5	1
2	17.6	1.5	18.9	2.0	18.6	2.2	18.9	1.6	19.2	2.6	20.0	1.9	19.0	1.2	17.3	1.2	2
3	16.9	1.2	18.3	1.7	18.7	2.6	18.2	1.2	18.1	1.7	20.1	2.1	19.0	1.7	17.2	1.1	3
4	16.2	1.1	18.1	1.1	18.7	2.5	18.5	1.6	18.8	2.5	20.1	2.0	18.8	1.3	17.1	1.1	4
5	16.0	1.1	18.2	1.2	18.7	3.1	18.7	1.7	18.7	2.4	20.0	1.7	18.6	1.0	17.2	1.1	5
6	16.0	1.1	18.2	1.1	17.8	2.1	18.5	1.5	19.0	2.7	20.0	1.8	18.4	1.2	16.7	1.4	6
7	16.4	1.2	18.2	1.6	18.3	2.2	18.1	1.0	19.1	2.1	19.9	1.8	18.6	1.5	16.7	1.4	7
8	20.3	1.9	20.0	3.0	20.4	3.1	20.0	1.9	20.0	2.6	20.1	1.3	19.9	2.2	19.0	1.0	8
9	22.7	3.6	19.3	2.1	22.3	4.2	21.6	3.4	19.2	1.1	21.8	2.8	22.2	3.9	20.6	1.5	9
10	23.7	4.8	20.7	2.4	23.1	5.0	22.0	3.1	20.9	2.0	23.1	4.0	21.9	4.0	22.3	3.5	10
11	24.0	4.9	23.4	4.0	23.9	5.7	21.2	2.2	22.0	2.9	23.7	3.8	21.3	3.0	23.7	4.4	11
Noon	24.8	5.8	24.2	5.1	24.3	5.5	21.4	2.5	22.9	3.8	22.8	3.5	22.9	3.7	23.8	4.7	Noon
13	24.9	6.2	23.9	5.7	24.2	4.9	22.1	4.0	23.5	4.3	22.6	3.4	22.0	3.0	23.7	4.5	13
14	24.2	5.5	24.1	5.8	24.4	5.4	21.2	3.3	23.7	4.6	23.2	4.1	21.3	2.3	22.6	3.6	14
15	24.0	5.4	23.9	4.0	24.0	5.2	22.0	4.8	23.7	4.2	23.1	3.9	22.0	3.0	21.5	2.5	15
16	23.7	5.2	23.3	6.6	23.9	4.9	22.1	4.7	22.1	3.0	22.9	4.2	20.1	1.6	21.2	2.1	16
17	22.5	4.3	21.9	3.5	22.1	3.4	21.4	4.3	20.6	1.6	21.5	3.1	21.2	3.0	22.0	3.8	17
18	21.1	3.3	20.6	3.4	20.7	2.4	20.9	4.3	19.7	0.9	20.2	2.3	20.0	2.3	20.2	2.4	18
19	19.6	2.4	20.1	3.0	20.2	2.0	20.3	3.4	19.2	1.0	20.1	2.0	19.9	2.1	19.4	1.3	19
20	18.8	2.1	20.0	3.0	19.6	1.5	20.1	4.3	19.0	0.8	20.3	2.3	19.9	2.1	19.5	0.8	20
21	18.6	1.8	19.5	2.7	18.9	0.9	19.4	3.9	19.5	1.2	20.3	2.3	19.5	2.3	19.0	1.1	21
22	18.1	1.6	19.1	2.3	18.9	0.9	20.1	4.4	19.1	0.8	20.1	2.0	19.2	2.1	19.1	1.0	22
23	17.7	1.6	19.4	2.4	18.8	1.0	19.5	4.3	19.3	1.0	19.7	1.5	18.4	1.6	19.1	1.1	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)

A U G U S T, 1941

Hour \ Day	17		18		19		20		21		22		23		24		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	1.6	19.7	0.9	20.2	1.2	16.6	1.1	18.1	1.1	19.2	1.1	19.5	0.8	20.7	1.1	Mid-night
1	18.3	1.2	19.6	0.8	19.9	1.2	16.1	1.2	17.9	1.1	19.0	1.1	19.7	0.8	20.4	0.9	1
2	18.3	1.3	19.7	0.8	20.1	1.1	16.0	1.1	18.0	1.2	18.2	1.1	19.9	0.8	19.9	0.9	2
3	18.7	1.6	19.8	0.8	20.0	1.1	15.9	1.0	17.9	1.1	18.0	1.1	19.9	0.9	19.3	1.1	3
4	18.9	1.1	19.6	0.8	19.9	0.9	15.8	0.9	18.1	1.1	18.0	0.9	19.8	0.8	19.1	1.0	4
5	18.3	1.2	19.4	0.8	19.7	0.8	15.4	0.9	18.1	1.0	18.1	0.9	20.0	0.8	19.1	1.0	5
6	18.4	1.4	19.9	0.9	20.1	1.0	15.2	1.0	18.0	1.0	18.0	1.0	20.1	0.8	19.1	1.1	6
7	18.7	1.2	20.4	1.2	20.1	0.9	15.1	0.6	18.3	1.2	18.0	1.0	20.6	0.7	19.8	1.2	7
8	19.3	1.2	21.4	1.8	21.2	1.2	20.3	1.3	20.9	1.8	20.6	0.6	21.9	0.8	22.2	2.1	8
9	22.2	2.9	21.8	2.0	22.3	2.1	22.1	2.9	22.9	3.1	23.4	2.8	22.1	0.9	23.7	3.2	9
10	23.1	3.4	21.1	1.4	23.3	2.9	23.3	3.6	24.0	4.0	24.6	3.6	21.1	0.4	23.2	2.1	10
11	22.0	2.4	21.1	1.3	21.1	1.1	23.9	4.3	24.5	4.7	25.2	4.4	21.8	0.5	23.1	2.3	11
Noon	23.3	3.5	21.0	0.9	22.1	1.9	24.4	5.1	24.5	4.5	26.1	5.0	23.1	1.6	23.1	2.1	Noon
13	23.1	4.0	21.9	1.6	23.9	4.1	24.0	5.0	24.8	4.8	26.2	5.6	23.9	2.9	24.2	2.4	13
14	22.2	3.1	20.9	1.0	24.1	4.4	24.2	5.1	25.1	5.5	26.2	5.3	24.9	3.6	23.7	2.4	14
15	22.6	2.8	20.6	1.3	23.6	3.6	24.1	5.2	24.6	5.3	26.1	5.0	24.8	3.6	22.4	2.3	15
16	22.0	2.5	20.9	1.2	20.9	1.3	23.8	5.0	24.0	4.5	25.5	4.9	24.2	3.3	22.1	1.4	16
17	21.3	2.2	21.3	1.7	20.8	2.0	22.8	4.2	22.9	3.4	24.3	3.7	22.7	1.8	21.2	1.0	17
18	20.9	1.9	21.0	1.8	20.6	1.4	21.0	2.8	22.1	2.8	23.1	2.6	22.1	1.6	21.0	1.0	18
19	20.5	1.6	20.4	1.4	20.0	1.3	19.7	2.1	21.1	2.1	21.2	2.0	22.0	1.9	20.7	1.5	19
20	20.0	1.2	20.6	1.6	19.8	1.0	18.7	1.7	20.1	1.5	20.1	1.5	21.5	1.4	20.3	1.2	20
21	19.6	1.0	20.7	1.6	18.9	1.3	18.4	1.5	20.2	1.4	19.3	1.2	20.5	1.4	20.3	1.2	21
22	19.6	1.0	20.7	1.7	18.3	1.2	18.3	1.3	19.6	1.3	19.2	1.1	20.9	1.7	20.0	1.7	22
23	19.5	1.0	20.5	1.8	17.1	1.2	18.2	1.2	19.2	1.1	19.7	1.1	20.9	1.4	20.1	1.6	23

Hour \ Day	25		26		27		28		29		30		31		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	19.8	1.5	16.0	2.4	17.3	1.3	17.1	1.8	14.8	1.7	18.3	2.5	17.0	2.3	18.6	1.6	Mid-night
1	19.7	1.5	15.1	1.2	17.3	1.2	16.9	1.8	14.6	1.6	19.0	3.0	18.1	3.1	18.5	1.5	1
2	19.5	1.5	14.0	1.5	18.3	1.4	17.1	1.9	13.4	1.1	19.3	3.2	16.9	2.7	18.3	1.5	2
3	19.7	1.9	13.7	1.7	17.9	1.5	17.0	1.9	13.3	1.3	19.1	3.2	17.6	2.1	18.1	1.5	3
4	19.2	1.7	13.9	2.0	17.3	1.1	16.8	2.0	13.6	1.5	18.9	3.1	16.7	2.4	18.0	1.4	4
5	19.1	1.8	13.1	1.5	17.2	1.1	17.9	2.7	15.3	1.8	18.5	3.4	16.9	1.9	18.1	1.4	5
6	19.1	2.0	13.1	1.4	17.9	1.7	17.8	2.2	15.0	1.8	16.7	2.7	17.3	1.5	18.0	1.4	6
7	19.6	2.3	15.3	1.3	18.8	1.8	18.1	2.5	18.1	1.8	16.4	2.7	18.1	1.6	18.4	1.4	7
8	20.9	2.9	19.2	3.0	21.0	3.0	20.2	3.6	20.8	3.3	20.0	4.2	20.9	3.7	20.5	2.2	8
9	23.0	4.1	21.9	4.6	22.0	3.8	21.9	4.9	22.3	4.4	21.6	6.0	20.1	2.6	22.0	3.2	9
10	22.9	4.2	22.5	5.3	22.8	4.2	22.7	5.5	23.1	5.1	23.0	6.4	21.9	3.9	22.6	3.6	10
11	22.7	4.0	23.2	4.9	23.6	4.6	23.8	6.1	23.8	5.8	23.6	5.5	21.7	3.7	23.0	3.8	11
Noon	23.9	4.8	23.9	4.9	23.2	5.0	23.6	6.1	23.2	5.7	23.3	5.2	21.1	2.7	23.4	4.1	Noon
13	23.3	4.6	23.9	4.8	24.6	5.9	23.4	5.8	24.1	6.1	21.2	3.0	21.3	3.0	23.6	4.4	13
14	23.2	4.6	24.1	4.7	23.3	4.6	23.0	5.8	23.8	5.7	23.2	5.5	19.8	1.7	23.5	4.3	14
15	22.9	4.6	23.9	6.6	23.1	4.3	22.5	5.4	23.5	5.4	23.1	5.6	21.2	3.0	23.2	4.2	15
16	22.3	4.6	23.1	5.7	22.3	4.3	22.6	5.7	22.2	5.0	22.3	5.0	19.5	1.4	22.6	3.7	16
17	21.6	4.6	22.3	5.2	21.7	4.4	21.5	5.2	21.4	4.3	21.6	4.6	19.2	1.9	21.9	3.4	17
18	20.1	3.8	20.8	4.1	20.1	3.2	20.0	4.1	20.2	3.3	20.3	3.3	19.2	2.1	20.8	2.7	18
19	19.1	3.3	18.9	2.6	19.2	2.7	18.2	3.0	19.7	3.5	19.8	3.6	19.3	2.4	20.0	2.2	19
20	18.3	2.8	18.8	2.3	19.0	2.9	17.1	2.4	19.2	3.2	18.9	3.0	18.9	2.8	19.6	2.0	20
21	17.4	2.4	17.7	1.6	18.3	2.3	16.1	2.0	19.2	3.5	18.7	2.7	18.9	2.8	19.2	1.9	21
22	16.0	2.3	17.0	1.6	18.1	2.3	15.1	1.7	19.0	3.3	18.3	3.0	18.4	2.8	18.9	1.8	22
23	15.2	1.6	16.8	1.3	17.2	1.6	14.3	1.6	19.2	3.0	18.0	3.2	18.3	2.3	18.7	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 AUGUST, 1941

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 *)

A U G U S T, 1941

Hour \ Day	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Mid-night	12	1.6	10	1.5	11	1.8	11	2.7	10	3.7	10	3.7	10	1.6	11	1.6	12	2.2	11	1.6	11	3.1	10	5.5	09	3.3	09	5.0	10	3.4	10	2.5
1	12	2.0	11	1.4	11	1.9	11	2.5	11	2.7	10	3.3	10	1.5	11	3.0	12	2.6	11	1.9	12	3.1	10	5.0	08	3.7	10	4.2	10	4.2	12	2.4
2	12	1.4	11	1.7	11	2.2	11	2.9	11	3.1	10	2.7	10	1.8	11	2.1	12	2.2	12	2.4	12	2.0	10	5.1	09	4.8	11	4.7	11	2.9	12	2.5
3	12	1.1	10	1.7	11	1.3	11	2.2	11	3.6	10	2.3	11	1.5	12	2.0	12	2.1	12	2.4	12	2.8	12	5.6	09	1.3	11	4.9	10	3.2	11	2.1
4	12	1.8	10	1.8	12	1.2	11	2.8	11	3.9	11	2.8	11	0.8	12	1.6	12	1.6	11	3.8	12	2.3	11	4.9	09	3.1	11	5.8	12	3.3	11	2.0
5	12	1.9	11	2.3	14	1.5	11	2.4	11	3.3	09	2.1	11	1.6	11	1.8	12	1.9	12	2.7	12	1.8	11	4.9	09	3.3	09	6.0	12	3.1	11	1.8
6	12	1.8	11	2.0	11	2.4	11	2.1	11	4.7	11	2.0	11	2.7	12	1.4	12	2.0	11	1.9	12	2.2	11	4.1	08	4.8	10	5.1	12	4.5	11	1.8
7	11	2.1	11	2.0	11	1.8	11	2.5	09	4.6	11	2.3	11	2.9	12	2.0	12	2.2	10	3.1	12	3.8	10	3.1	09	3.5	10	6.3	11	3.0	11	1.7
8	11	3.2	10	2.0	11	1.5	11	3.2	09	5.7	11	3.2	11	2.5	11	2.3	12	2.6	12	3.9	12	4.4	10	4.1	11	3.9	11	6.5	10	3.8	09	3.5
9	11	3.4	09	3.8	08	2.6	11	4.9	10	6.4	09	5.1	11	3.9	12	3.9	11	3.3	12	4.6	12	4.6	10	5.0	08	4.6	10	8.0	08	5.8	11	3.9
10	07	4.0	11	4.0	10	3.3	12	5.8	09	6.7	09	5.9	07	3.0	12	4.4	12	4.8	12	3.8	09	5.2	12	5.0	09	4.8	09	8.8	09	5.2	10	5.4
11	08	2.1	09	4.4	09	4.8	11	7.2	10	7.9	10	6.4	09	4.3	13	4.1	11	5.4	10	6.1	12	5.8	09	7.3	08	5.6	10	8.4	08	4.3	09	6.5
Noon	05	2.3	09	4.9	09	5.5	11	7.5	09	7.0	09	6.2	06	4.3	10	4.4	10	5.5	09	6.9	09	4.9	12	6.1	11	7.1	09	7.9	09	7.1	10	6.9
13	06	3.2	09	5.1	09	5.4	10	7.3	09	6.6	11	6.4	04	4.5	10	4.2	11	5.4	11	6.3	12	5.4	09	7.1	10	6.5	12	7.9	10	7.0	08	7.0
14	08	3.1	10	5.8	09	5.5	10	7.5	09	6.1	10	7.1	08	3.9	10	5.0	11	4.6	09	6.2	11	5.5	09	6.7	08	5.7	09	8.6	12	6.4	10	6.5
15	07	3.0	09	5.6	09	5.5	10	5.8	09	7.2	09	6.7	10	4.3	12	4.9	11	5.1	12	6.9	12	5.5	09	6.8	11	6.2	08	7.3	10	6.1	09	5.6
16	07	1.5	09	4.9	11	5.3	10	7.0	10	6.7	10	6.5	10	4.1	10	4.8	11	4.9	12	6.3	10	4.9	09	6.4	10	5.2	09	7.9	10	5.2	09	5.7
17	09	2.0	10	4.6	10	4.9	10	6.1	09	6.2	09	5.1	11	2.6	12	4.4	10	4.0	09	5.7	11	4.3	10	5.4	09	4.3	10	6.4	09	5.3	11	4.5
18	07	1.9	11	3.1	10	3.5	09	4.8	10	5.1	10	4.1	11	1.8	10	3.3	11	2.6	10	3.9	12	4.1	10	4.1	11	4.7	10	5.4	10	3.8	10	4.2
19	10	0.7	11	2.4	11	2.8	09	4.6	11	4.1	09	2.1	11	1.9	11	1.9	11	1.7	12	4.0	12	3.7	10	4.0	10	5.5	10	5.3	12	5.0	12	3.8
20	10	1.4	11	3.1	11	2.3	11	3.7	10	4.1	10	3.2	11	1.4	12	2.0	11	2.0	12	4.0	10	4.8	10	3.9	09	6.2	09	4.6	10	3.3	12	4.1
21	10	1.9	11	2.5	11	2.1	10	4.4	10	3.7	10	2.5	11	2.0	12	2.0	11	2.0	12	4.5	11	4.5	10	3.2	10	4.5	09	4.9	11	3.3	11	4.3
22	11	2.0	11	2.3	11	2.2	10	3.5	11	4.5	10	2.9	10	2.2	12	2.1	11	1.8	12	3.3	12	4.8	10	3.9	11	4.2	10	4.2	10	4.3	11	3.8
23	11	1.5	11	2.4	11	2.5	09	3.9	11	3.5	10	1.6	11	2.1	12	2.1	11	2.0	12	3.7	12	5.3	10	3.5	08	4.4	09	4.4	10	2.9	12	3.6

Hour \ Day	17		18		19		20		21		22		23 *		24 *		25		26 *		27		28		29		30		31		Mean
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Velo-city
Mid-night	11	4.2	11	4.2	09	3.7	10	0.7	11	1.7	12	1.2	11	0.6	08	0.5	14	1.5	15	1.4	11	2.0	12	2.1	13	2.2	12	2.7	12	1.4	2.4
1	11	2.6	10	5.1	11	3.5	10	0.6	11	1.5	12	0.7	11	1.2	08	0.7	14	1.6	15	1.0	11	2.4	12	2.4	12	2.0	12	3.4	12	2.6	2.5
2	11	3.5	11	4.3	10	3.6	10	0.5	11	1.5	12	1.1	11	0.9	08	1.1	14	1.8	15	1.2	11	2.5	12	2.6	11	0.7	12	2.9	12	1.9	2.4
3	11	3.4	10	4.0	10	3.8	10	0.8	06	1.0	12	1.1	11	1.0	08	1.1	14	2.1	15	1.7	11	4.6	13	2.8	11	019	12	2.1	11	1.3	2.3
4	11	3.4	09	5.0	10	4.1	13	1.0	07	1.3	11	1.3	11	1.0	08	1.2	14	2.8	15	1.4	12	2.2	13	3.1	11	1.2	12	2.1	11	1.3	2.4
5	10	4.0	10	4.5	11	3.1	14	0.7	09	1.6	10	2.0	11	1.2	08	1.5	16	2.1	15	1.4	13	3.1	13	2.9	11	1.3	12	1.8	13	2.3	2.4
6	10	3.6	09	4.2	10	3.1	14	0.7	09	2.0	10	1.2	11	0.9	10	1.9	16	1.8	15	1.6	13	2.5	13	1.7	14	2.0	12	2.1	12	2.8	2.5
7	12	3.6	08	5.0	06	4.3	14	0.9	09	2.1	10	1.0	04	0.5	11	1.8	16	1.3	15	1.3	13	3.0	13	1.9	12	3.1	12	1.3	12	2.4	2.6
8	11	3.2	09	5.3	08	3.5	14	0.8	09	1.8	10	1.1	04	0.5	11	0.7	16	1.8	15	1.7	11	4.9	14	2.5	10	3.7	12	2.2	12	3.3	3.0
9	11	4.4	09	6.1	06	4.6	11	2.7	08	2.8	06	2.0	04	0.7	10	1.0	13	3.3	15	2.5	12	4.2	12	4.7	11	6.6	11	4.4	11	4.9	4.1
10	10	6.3	10	5.7	07	4.4	10	3.1	06	3.7	04	3.0	r22	2.6	r25	1.4	14	3.5	16	1.1	13	4.0	12	5.0	11	5.9	09	5.9	10	6.0	4.6
11	11	5.7	06	4.4	10	4.6	12	3.4	08	3.3	03	2.9	20	2.2	25	1.4	13	2.6	18	1.3	10	4.4	12	5.1	10	6.5	10	5.0	12	6.4	4.9
Noon	08	6.7	10	4.9	06	4.4	10	4.2	08	3.6	03	2.4	21	3.1	25	1.1	13	4.4	18	1.1	12	4.3	12	3.5	12	6.8	12	5.9	11	6.0	5.1
13	10	6.7	10	5.3	06	5.4	10	3.4	07	3.2	01	3.0	22	3.1	26	1.8	13	4.4	d27	1.5	11	4.7	14	3.1	12	5.9	11	6.3	11	6.0	5.1
14	08	6.5	10	5.5	07	4.8	10	3.7	06	3.1	31	2.6	24	2.2	32	1.6	14	4.0	28	1.9	12	7.5	12	1.9	12	6.6	09	6.8	10	6.1	5.1
15	09	5.9	10	5.8	08	4.6	11	4.1	06	3.5	01	3.0	24	2.4	d0	1.7	13	4.4	r11	3.5	12	6.3	13	3.1	13	6.8	10	6.8	11	6.4	5.2
16	09	5.9	09	4.4	09	4.1	10	3.7	06	3.2	02	2.9	24	1.1	11	1.6	13	4.9	10	3.9	11	4.9	12	3.9	12	7.2	10	6.8	11	5.7	4.9
17	09	4.5	09	4.7	09	2.1	12	3.2	07	2.4	03	2.4	r10	2.3	11	1.0	13	5.6	11	3.9	12	3.6	12	4.6	12	5.9	12	5.8	11	5.0	4.3
18	09	4.9	10	3.8	10	1.4	11	1.9	08	1.5	03	1.7	08	1.3	11	1.4	14	4.1	11	2.7	12	1.5	13	3.4	11	5.2	12	3.9	11	4.4	3.3
19	10	5.0	10	3.8	10	1.9	11	1.3	07	1.2	03	0.8	08	0.9	12	1.6	15	3.6	11	2.5	11	1.8	13	2.9	12	4.4	11	3.2	11	4.3	3.0
20	09	5.0	09	3.8	10	2.3	11	1.1	08	1.2	10	1.3	06	1.8	13	1.3	15	2.6	14	1.8	12	3.3	13	2.8	12	4.7	11	2.8	11	3.8	3.0
21	09	5.5	09	3.9	10	1.4	11	1.2	08	1.2	10	1.6	08	1.6	15	1.8	15	2.2	14	1.2	12	2.5	13	2.5	11	5.0	11	3.0	12	4.6	3.0
22	09	4.4	11	4.0	10	1.1	11	1.2	12	0.9	10	1.1	08	0.7	15	2.0	15	1.8	14	1.3	12	1.9	13	2.8	12	4.3	12	2.9	12	3.3	2.8
23	10	3.8	10	3.2	10	0.5	11	1.4	12	0.7	10	1.3	08	1.1	14	1.5	15	0.7	12	2.2	12	1.8	13	2.7	13	3.3	12	2.3	11	3.9	2.6

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS), AUGUST, 1941

Hour	Force (0-12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	-	1	30	-	-	-	1	2	6	20	1	1	-	-	-	-	-	-	-
9	-	5	26	-	-	1	2	7	4	16	-	1	-	-	-	-	-	-	-
15	-	18	13	1	-	-	1	10	6	12	-	-	-	-	-	1	-	-	-
21	-	1	30	-	-	-	-	5	8	15	1	2	-	-	-	-	-	-	-
Totals	-	-	-	1	-	1	4	24	24	63	2	4	-	-	-	1	-	-	-

TABLE XIVa - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY FOR AUGUST, 1941

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	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
1	..	..	..	..	..	..	..	..	..	..	0.2	..	0.1	..	0.5	..	..	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..
3	..	0.1	..	..	0.7	..	..	..	..	..	..	..	0.1	..	..	0.2	..	0.1	..	0.1	..	..	..	..	..	..	..	..	..	..	..
4	..	0.8	..	..	..	..	..	..	..	0.2	..	0.1	0.1	..	..	..	0.5	0.4	..	..	..	..	..	..	..	..	..	..	..	..	..
5	0.2	0.1	..	..	0.1	..	..	..	..	..	..	..	..	0.2	0.4	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	..	..	..	..	0.4	..	1.0	..	..	0.2	..	..	..	0.3	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	..	..	..	..	..	0.1	..	0.4	..	..	1.6	..	0.4	..	..	..	0.1	..	..	..	..	..	..	..	..
8	..	..	..	..	..	..	..	..	..	..	..	..	0.1	0.2	..	0.9	0.2	0.3	0.3	..	..	..	..	..	..	..	..	..	..	..	..
9	..	..	0.2	..	..	..	..	..	..	0.4	..	..	2.4	0.3	..	0.1	0.0	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	1.3	..	..	..	..	..	1.3	..	..	..	..	..	..	..	..	..	1.7	..	..	..	..	..	..	..	..
11	0.6	..	..	..	..	..	..	..	..	..	..	0.1	0.4	..	0.2	..	0.1	1.0	..	..	..	..	0.1	..	..	..	..	..	..	..	..
12	4.4	..	..	..	..	..	0.2	..	..	..	..	1.1	0.1	1.4	0.1	..	..	3.3	0.3	..	..	..	..	..	..	..	..	..	..	..	..
13	1.5	..	..	0.1	..	..	0.2	..	..	..	..	..	..	0.3	1.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.4	..	..	..	..	..	..	..	..	..	..	..	..	0.2
15	2.5	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	0.1	..	0.6	..	..	..	..	..	..	..	..	..	..	..	..	..
16	0.3	..	..	..	..	..	..	..	..	..	..	..	0.4	..	0.2	0.9	0.6	0.2	0.1	..	..	..	..	1.0	..	..	..	..	..	..	0.6
17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.7	..	..	..	..	..	..	0.1
18	2.0	..	..	..	..	..	..	..	..	..	..	..	0.6	..	..	0.1	0.3	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..
19	0.5	..	..	..	..	..	..	..	..	..	..	..	0.6	0.1	..	2.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	1.9	..	..	5.7	0.8	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1
21	..	..	..	..	..	..	..	..	..	..	1.1	..	1.1	..	..	0.3	0.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	..	..	..	0.1	1.5	..	..	..	..	..	0.4	..	1.6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	..	..	..	..	2.1	..	..	..	..	..	1.7	..	0.8	0.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	..	..	..	..	..	..	..	..	0.2	..	0.2	0.3	..	..	1.5	0.1	..	..	..	..	..	0.1	..	..	..	..	..	..	..

TABLE XIVb - RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS, FOR AUGUST 1941

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	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
1	0.2	..	..	..	..	0.5	..	..	..	..	0.2	1.4	..	0.2	..	0.4	0.1	0.5	..	..	..	..	..	..	..	..	0.1	..	..	..	..
2	..	..	..	..	..	..	..	..	..	0.1	..	1.6	..	..	0.2	1.1	..	0.5	0.1	..	..	..	..	..	..	..	0.2	..	..	..	..
3	..	..	..	..	1.1	..	..	..	..	0.1	..	1.0	..	0.3	0.7	..	..	0.1	0.1	..	..	..	..	..	..	..	0.1	..	..	..	..
4	..	..	..	..	0.1	..	..	..	..	..	..	0.2	..	0.5	3.5	0.2	0.1	0.5	0.1	..	0.1	..	..	..	..	..	0.3	..	..	..	0.5
5	1.4	0.4	..	..	..	..	..	..	..	0.6	..	1.0	..	0.5	0.8	0.2	0.2	0.4	0.1	..	..	..	..	..	..	..	0.1	..	..	..	0.1
6	1.7	..	0.2	..	..	..	0.4	..	..	0.1	..	..	..	0.6	..	..	0.6	..	..	0.3	0.4	0.1	..	..	..	..	0.1	..	..	..	..
7	0.1	..	..	..	0.3	..	0.4	..	..	..	..	0.2	..	0.7	0.1	..	..	1.2	0.7	..	..	..	..	..	..	..	..	..	..	..	0.1
8	2.3	..	1.0	..	..	..	0.4	..	..	0.1	..	0.2	0.2	..	0.1	..	..	1.7	1.1	..	..	..	..	..	..	..	..	..	..	..	..
9	1.5	..	..	..	..	..	..	..	..	..	..	..	0.9	0.2	0.1	1.4	..	0.5	0.2	..	..	..	0.3	..	..	..	..	..	..	..	..
10	0.1	..	..	..	..	..	..	..	..	..	..	1.1	0.2	0.2	0.1	0.6	..	0.4	0.4	..	..	..	..	..	..	..	..	..	..	..	..
11	0.5	..	0.6	0.4	..	1.5	..	..	..	..	..	1.0	..	0.3	..	..	..	0.3	0.1	..	..	..	..	..	..	..	..	..	..	..	0.4
12	0.4	..	..	..	..	..	..	..	..	..	..	0.1	..	0.4	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	0.1	..	..	0.4	..	..	..	..	..	..	..	..	0.2	0.2	..	0.2	0.2	1.9	..	..	..	..	..	0.3	..	..	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	0.6	0.3	..	..	..	..	0.1	..	..	0.2	..	..	..	0.7
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3.0	0.6	0.9	1.5	0.2	..	..	..	..	..	..	..	0.3	..	..	..	..
16	..	..	..	..	..	..	..	..	..	..	..	..	0.1	0.3	0.6	1.7	0.2	0.4	..	..	..	..	..	0.1	..	..	..	..	..	..	0.2
17	..	..	..	..	..	..	..	..	..	..	0.1	..	0.8	0.1	..	0.4	0.6	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1
18	0.1	..	..	..	..	..	..	..	..	..	0.4	..	0.9	0.2	0.1	0.5	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	0.4
19	..	..	..	..	..	..	..	..	..	..	0.4	..	1.2	..	0.6	1.7	0.2	..	0.2	..	..	..	..	..	..	..	..	..	..	..	0.6
20	0.7	..	..	0.4	..	..	..	..	..	..	0.4	..	0.3	..	0.2	0.1	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	0.2	..	..	..	..	..	..	1.0	..	2.0	0.1	1.5	1.0	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	..	..	..	0.1	..	..	..	..	..	..	1.1	..	1.2	0.5	0.1	5.6	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..
23	..	..	..	..	0.5	..	..	..	..	..	1.4	..	0.3	0.1	0.2	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	..	..	0.5	..	..	..	..	..	1.2	..	0.5	0.2	..	2.2	0.8	..	..	..	..	..	..	..	..	0.2	0.1	..	..	..	0.9

TABLE XV - TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR A U G U S T, 1941

RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall		Normal in Inches	Number of days
			Inches	Millimetres		
1	Mare Seche	20	2.78	70.6	2.40	11
	St Antoine	50	3.13	79.5	2.12	12
	Bel Mont	50	2.77	70.4	2.06	10
	Poudre d'Or	20	2.74	69.6	2.06	10
	Mon Loisir S.E.	300	3.08	78.2	2.78	16
	Forbach	300	4.75	120.7	2.29	12
	Couroupa	...	3.52	89.5	3.67	13
	Labourdonnais	290	2.66	67.5	2.76	14
	Mapou Water Office	...	1.06	26.9	...	4
	Beau Sejour	300	3.94	100.1	3.65	21
	Mont Piton	650	4.70	119.4	3.70	16
	Mon Choix	700	3.29	83.6	3.11	15
	Antoinette	640	5.14	130.6	3.59	20
	Mon Songe	620	3.97	100.8	3.97	14
	Botanical Gardens	325	5.04	128.0	2.98	24
	The Observatory					
	Solitude	175	...	...	1.71	..
	St Andre (Cour)	90	...	...	1.97	..
	La Nicoliere	...	5.76	146.3	4.48	22
	California	...	6.03	153.2	3.74	13
	Australia	...	5.07	128.8	...	15
2 & 3	Union Regnard (Flacq S.E.)	600	3.91	99.3	3.69	15
	Constance d'Arifat (L.G.)	100	2.23	56.6	3.27	11
	Rich Fund	600	5.66	143.8	5.45	19
	La Joffrette	...	5.05	128.3	...	15
	Belle Vue (Allendy)	...	2.92	74.2	4.32	12
4	Sans Souci	900	9.66	245.4	9.17	22
	Beau Champ (G.R.S.E.)	20	...	...	3.64	..
	Olivia	400	...	...	6.01	..
	Trois Ilots	...	...	...	...	..
	Belle Rive	400	...	...	8.83	..
	Sebastopol	700	...	...	...	..
	Bonne Veine	400	7.10	180.3	8.48	19
5	Rose Belle	850	...	...	9.76	..
	New Grove	650	5.68	144.3	...	22
	Mon Tresor	...	3.76	95.5	...	13
	Mon Desert (Carie)	75	1.91	48.5	3.33	12
	Ferney	20	4.70	119.4	4.75	16
	Sauveterre	...	2.61	66.3	...	18
6	Tivoli	1300	11.18	284.0	10.96	20
	La Flora	1050	9.04	229.6	9.84	20
	Riche Bois (Brit.)	650	4.87	123.7	5.75	17
	Britannia (Estate)	700	5.89	149.6	6.39	19
	Savannah Mill	200	3.09	78.5	4.08	15
	St Aubin	300	2.15	54.6	4.30	18
	St Avold	900	7.60	193.0	7.80	29
	Colmar	400	5.42	137.7	5.23	18
	Union S.E	...	4.21	106.9	4.44	12
	Fontenelle	320	4.51	114.6	4.75	16
	Choisy	200	3.83	97.3	3.30	12
	Beau Bois	...	8.34	84.8	5.69	18
	Bel Air	...	...	...	3.68	..
	St Felix	...	9.90	251.5	...	..
7, 8, 9 & 10	Bel Ombre	40	3.10	78.7	3.45	18
	Beau Champ (B. du Cap.)	70	3.46	87.9	3.54	19
	Frederica	...	4.89	124.2	...	17
	Pierrefonds	...	1.34	34.0	2.38	16
	Ste Marie	...	4.64	117.9	...	19
	Hussonia	...	...	...	...	..
11.	Curepipe Gardens	1840	8.40	213.4	8.09	22
	Mare-aux-Vacoas (G.E.)	1850	9.65	245.1	10.68	24
	Mare-aux-Vacoas (Arnaud)	1830	11.25	285.8	11.40	25
	La Marie Filter Beds	1700	6.61	167.9	6.82	24
	Sophie	...	...	...	...	..
	Reunion	1420	4.85	123.2	5.15	13
	Aerological Station	1393	4.13	104.8	5.40	23
	Phoenix	...	6.73	170.9	4.35	12
	Quatre Bornes	...	2.22	56.4	...	12
12	Quatre Bornes (Board)	1090	1.96	49.8	...	5
	Le Reduit (D. of A.)	1000	3.01	76.5	2.55	30
	Alma	1460	7.92	201.2	6.99	18
	Bagatelle	1250	5.25	133.4	4.08	12
	Highlands	1300	6.95	176.5	5.08	12
	Trianon	950	3.00	76.2	2.80	13
	Val Ory	1100	...	...	12.75	..
	Bassin	...	1.38	35.1	3.00	9
	Hermitage	1450	5.59	142.0	9.64	12
	Ebene	...	2.76	70.1	...	17
	Bega	...	2.32	58.9	...	15
	Mon Reve	...	3.77	95.8	...	16
	Mont Pevril	...	2.78	70.6	...	17
	Minissy	1150	4.36	110.7	3.25	16
	Plaisance	...	2.16	54.9	...	9
	La Ferme	350	0.42	10.7	1.25	6
13	Line Barracks	...	1.21	30.7	...	16
	Tobacco Research Station (Richelieu)	...	0.61	15.6	...	11

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE AEROLOGICAL STATION, VACOAS, 424.5 METRES ABOVE SEA LEVEL, DURING THE MONTH OF AUGUST, 1941

Type / Day	Time	St & Fs		Cumulus Cu.St & c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	St & Fs.		Cumulus Cu.St. & c.		Alto. Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height		Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height
		0		0		0		0		0		0			0		0		0		0		0		0	
										N I L																

NEW SERIES (MONTHLY) VOL.XVII PART IX

MAURITIUS

ROYAL ALFRED OBSERVATORY

LATITUDE 20°51' 39"S., - LONGITUDE 3h 50m 12.6s

RESULTS OF MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

SEPTEMBER, 1941

N.R.Mc CURDY, B.Sc. F.R. MET.SOC.

DIRECTOR

PUBLISHED IN 1965 BY

E.G.DAVY, O.B.E., B.Sc., F.S.S.

DIRECTOR OF METEOROLOGICAL SERVICES, MAURITIUS

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TABLE I - RESULTS OF MAGNETICAL OBSERVATIONS MADE DURING THE MONTH OF SEPTEMBER, 1941

Month and Day 1941	Mean Declination (West)	Mean Horizontal Force (C.G.S.) (Units)	Mean Vertical Force (C.G.S.) (Units)	Daily Range + Declination	Daily Range + Horizontal Force (Unit 1γ)	Daily Range + Vertical Force (Unit 1γ)	H.R.h. 10,000	Z.R.z. 10,000
SEPT.								
1	14° 10'.3	.22412	.29915	3.5	67	14	150	42
2	10.7	404	916	4.8	42	17	94	51
3	11.1	414	914	7.7	31	30	69	90
4	10.8	422	914	6.5	27	25	60	75
5	10.5	422	915	6.0	13	30	29	90
6	10.4	429	917	5.5	33	21	74	63
7	11.2	428	912	5.3	42	24	94	72
8	10.1	418	914	5.7	41	24	92	72
9	10.8	420	914	4.0	36	25	81	75
10	10.8	425	911	6.0	32	32	72	96
11	10.7	425	917	4.0	71	19	159	57
12	10.9	425	918	5.0	44	13	98	39
13	11.1	421	916	8.0	113	27	253	81
14	11.2	402	921	6.7	29	27	65	81
15	11.7	411	918	7.5	36	30	81	90
16	11.6	410	921	10.0	63	37	141	111
17	11.9	403	924	13.0	25	31	56	93
18	11.7	...	938	31.0	...	145	...	433
19	12.2	...	985	29.0	...	58	...	173
20	12.7	314	957	12.0	70	38	157	114
21	12.3	340	945	8.7	37	51	83	152
22	12.9	372	937	11.5	38	61	85	182
23	12.4	386	934	13.0	92	47	206	141
24	12.1	393	928	8.0	43	39	96	117
25	12.4	374	937	9.0	50	34	112	102
26	12.4	391	934	9.8	31	41	69	123
27	12.1	387	...	9.8	30	..	67	...
28	12.5	410	...	8.0	74	..	166	...
29	13.0	405	...	7.7	68	..	152	...
30	13.1	405	...	9.5	53	..	119	...
Mean	14° 11.59	.22402	.29926	9.21	47.5	36.2	106A	108.3

Description of the Principal Magnetic Disturbance

Horizontal Force : 1st and 2nd : slightly disturbed; between 19h and 21h on 1st irregular waves of the order of 20 γ. 3rd very slightly disturbed. 7th sudden commencement at 8h 35m of a short-lived and moderately disturbed period gradually subsiding during the first half of 8th. Disturbance starts with small rapid oscillations for about 6 hours followed by important decrease in force culminating at 18h 15m. Absolute range 110 γ 10th 3h 20m sudden increase of 12 γ (solar flare effect) on an otherwise quiet trace. 11th slightly disturbed. 13th 11h 57m sudden commencement of a long period of moderate to slightly disturbed trace ending during second half of 17th. Decrease in force starts on 13th at 15h 30m and culinates at about 19h followed by very minor fluctuations in the trace. 15th between 1h and 3h rapid increase of 45 γ. 16th 0h15m to 1h 45m rapid increase of 50γ followed by another increase of 35 γ between 4h 50m and 5h 55m. 18th 8h 05m sudden commencement with rapid increase in force amounting to 103 γ of one of the most violent storms rarely experienced From 18th 9h 15m. tremendous decrease in force starts, with occasional important fluctuations (order of 50 γ) and very rapid oscillations superposed. After minimum is reached considerable wave-like fluctuations occurs in the trace of the order of 115 γ to 130 γ. Second minimum in force on 19th between 9h and 14h. Absolute range (> 400γ) unknown as several parts of record fall beyond the register. After effects of the storm still visible on 20th and 21st. Trace become quiet after 22h on 21st. 23rd second half to 26th 2h moderately disturbed period. Minor irregular pulsations. The period ends with a sharp positive wave of 37γ. 27th, 28th, 29th and 30th slightly disturbed.

T = .37381 : Mean Dip = 53° 10'.93 : X = .21718 : Y = -.05493 : Z = .29926

\+ = The daily range is the difference between the greatest and least hourly values

TABLE II - RESULTS OF ABSOLUTE DETERMINATIONS OF THE MAGNETIC ELEMENTS DURING THE MONTH OF SEPTEMBER, 1941

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.		
2.14. 50	14. 09. 9	3. 11. 37	.22433	2.14. 57	53. 09.13	.29904
9.14. 10	14. 10. 6	10. 11. 31	.22444	9.14. 20	53. 08.00	.29895
16.15. 02	14. 08. 0	12. 12. 09	.22440	16.15. 13	53. 10.31	.29905
30.10. 02	14. 18. 6	17. 9. 43	.22420	26.13. 50	53. 10.69	.29905
		20. 9. 17	.22318			
		27. 9. 27	.22390			

TABLE III - MAGNETIC DECLINATION (WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

SEPTEMBER, 1941

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day / Hour
	14° +																
Midnight	11.5	11.5	10.0	10.7	10.5	10.3	10.0	10.5	10.3	10.7	10.5	12.0	11.0	12.5	12.5	14.5	Midnight
1	11.7	11.0	10.0	11.0	10.5	10.5	10.2	10.0	10.0	10.5	10.7	11.7	11.0	13.0	13.0	15.0	1
2	10.5	10.7	11.5	11.0	10.0	10.5	10.3	11.0	10.0	10.5	11.0	11.5	11.0	13.5	12.0	12.5	2
3	11.0	10.5	10.7	10.5	10.3	10.5	10.5	11.0	10.0	11.3	11.0	11.0	11.0	12.5	11.5	11.7	3
4	11.0	09.5	10.0	10.5	10.0	10.5	10.7	11.0	10.3	10.0	10.7	10.5	11.0	10.0	12.3	11.0	4
5	10.0	10.0	10.0	10.3	10.0	10.3	11.0	10.5	10.0	10.7	10.5	11.0	11.3	10.7	10.0	09.0	5
6	09.7	09.7	09.5	09.5	09.5	10.0	10.7	08.7	10.0	11.0	09.7	11.0	10.5	10.0	09.5	07.5	6
7	08.5	09.0	09.0	08.5	08.5	09.0	10.3	09.5	09.7	10.5	09.0	09.5	09.7	07.5	10.0	09.0	7
8	08.5	09.5	10.0	10.0	09.0	10.0	12.0	10.7	11.5	11.0	09.5	09.5	10.5	09.3	12.5	10.7	8
9	09.0	11.5	11.5	12.0	11.0	12.0	14.0	11.5	12.0	12.5	11.0	10.7	13.0	12.5	15.0	13.5	9
10	09.7	13.5	15.0	14.0	13.0	13.0	14.3	12.0	12.7	13.5	12.5	12.0	14.7	13.7	15.5	16.5	10
11	10.7	13.0	16.0	15.0	14.0	12.7	12.5	11.0	13.0	13.0	12.0	13.0	15.0	13.5	12.5	17.3	11
Noon	11.0	13.0	15.5	13.0	13.5	11.5	11.0	09.5	12.5	12.3	10.7	13.0	14.0	12.5	12.0	16.0	Noon
13	10.0	12.3	14.5	11.0	11.5	09.0	10.5	08.0	11.0	11.0	10.5	12.5	11.0	10.7	11.5	12.5	13
14	10.0	11.0	11.5	09.5	09.5	07.5	10.0	07.0	10.3	09.5	10.0	10.0	08.7	09.5	10.0	09.5	14
15	09.5	09.5	09.5	08.7	08.0	07.0	09.0	06.3	10.5	08.5	08.5	08.5	07.5	07.5	09.0	07.5	15
16	08.5	08.7	08.3	08.7	08.3	08.0	09.5	07.3	09.0	07.5	08.7	08.0	07.0	07.0	08.0	07.3	16
17	09.0	09.5	09.0	09.7	09.5	10.0	10.0	09.7	10.0	08.5	09.3	09.0	09.0	09.5	09.5	09.5	17
18	10.0	10.5	10.0	10.7	10.7	11.5	11.0	11.0	10.7	10.0	10.5	10.7	10.0	11.0	10.5	10.7	18
19	10.5	10.7	10.7	11.0	11.0	11.5	12.0	11.7	10.5	11.0	11.5	11.5	11.0	12.0	11.0	11.3	19
20	11.0	11.0	11.0	11.0	11.0	11.3	12.0	11.5	11.3	11.3	11.5	11.5	11.3	12.0	12.0	11.5	20
21	11.5	10.7	11.0	11.0	10.7	11.0	12.2	11.7	11.5	11.5	11.7	11.5	12.3	12.0	12.0	11.5	21
22	10.7	11.0	11.0	10.7	10.7	11.0	13.0	11.5	11.3	11.3	12.3	11.3	12.7	12.3	11.7	11.5	22
23	12.5	11.3	10.7	10.5	10.7	10.5	11.5	10.7	11.5	11.0	12.5	11.0	12.5	13.5	17.0	13.0	23

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean		Day / Hour
	14° +																
Midnight	12.5	12.0	26.0	15.0	13.0	13.0	12.5	12.5	14.0	14.0	12.5	13.0	12.7	13.5	12.5		Midnight
1	12.0	12.2	24.0	12.0	13.5	13.0	12.5	12.5	13.5	13.0	12.5	13.3	13.3	13.0	12.3		3
2	11.5	12.0	20.0	14.0	13.5	13.0	12.5	12.3	12.0	13.3	12.5	13.5	13.0	12.0	12.1		2
3	09.7	12.0	07.0	13.0	13.5	12.7	13.0	12.5	13.0	12.7	12.5	13.5	12.7	12.0	11.5		3
4	09.7	12.0	11.0	12.5	13.5	12.5	13.0	12.0	12.5	13.0	12.7	13.0	13.5	13.0	11.4		4
5	10.0	12.0	10.0	10.0	13.5	12.7	13.3	11.5	12.5	13.0	12.7	12.7	13.7	12.0	11.2		5
6	09.5	11.0	13.0	11.0	12.5	11.5	12.5	11.0	13.0	12.5	12.5	12.0	13.0	09.5	10.2		6
7	09.5	10.7	11.0	15.0	11.0	11.5	11.0	11.5	13.0	12.5	11.7	12.0	13.0	11.0	10.0		7
8	11.5	11.7	01.0	16.5	10.5	13.0	13.0	12.0	14.0	13.5	13.0	13.0	13.5	14.0	11.1		8
9	15.0	17.0	12.0	17.5	15.0	16.0	16.0	13.4	15.0	14.7	16.0	15.0	16.0	16.0	13.1		9
10	18.0	16.0	08.0	18.0	16.7	19.0	17.5	14.5	16.0	16.5	16.5	16.3	16.7	18.5	14.8		10
11	20.0	15.0	11.0	16.0	15.0	19.5	17.0	15.5	15.5	16.5	15.0	16.0	16.5	19.0	14.7		11
Noon	19.0	12.0	13.0	13.0	12.0	17.0	13.0	14.5	14.0	14.0	12.0	15.0	13.0	17.0	13.3		Noon
13	14.5	05.0	17.0	08.0	08.6	13.0	08.0	11.5	09.0	10.5	09.5	12.0	11.5	14.0	11.0		13
14	09.5	02.0	18.0	07.5	08.0	09.5	09.0	08.0	07.0	08.0	07.3	10.0	10.0	10.0	09.1		14
15	07.0	04.0	17.0	06.0	08.0	08.0	04.5	07.5	07.5	06.7	06.7	08.3	09.0	09.5	07.9		15
16	07.5	02.0	16.5	09.0	08.0	09.3	07.0	08.5	09.3	07.5	08.0	08.7	10.0	10.5	08.3		16
17	06.5	06.0	15.5	12.0	10.0	10.5	10.5	10.7	11.0	10.0	10.0	10.5	11.0	12.3	10.0		17
18	11.0	12.0	15.0	11.7	11.5	12.0	12.5	11.5	12.0	12.0	11.5	11.5	12.0	12.5	11.3		18
19	10.7	13.0	15.0	13.0	15.0	12.5	12.5	12.5	12.0	12.5	12.3	11.5	12.5	12.7	11.9		19
20	11.5	13.0	15.0	13.5	13.5	12.5	15.0	12.7	12.7	12.7	13.0	12.0	12.7	13.0	12.2		20
21	13.0	20.0	14.0	13.7	13.7	12.5	14.5	13.0	12.7	13.0	13.5	12.3	14.0	13.0	12.5		21
22	12.7	27.0	14.2	13.5	13.7	12.5	15.0	13.5	13.5	13.0	13.5	13.0	14.5	13.0	12.9		22
23	12.5	20.0	16.0	13.5	12.7	12.5	13.0	15.0	13.5	13.0	13.5	13.0	13.5	13.5	12.8		23

TABLE IV - MAGNETIC HORIZONTAL FORCE AT EVERY HOUR OF THE DAY AS REDUCED FROM THE PHOTOGRAPHIC RECORDS

SEPTEMBER, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	410	386	406	412	417	423	418	400	409	413	420	401	420	390	400	370	Midnight
1	420	395	411	415	420	422	422	423	417	421	402	421	402	393	400	385	1
2	421	399	405	413	423	425	431	407	415	420	422	419	422	394	425	403	2
3	423	400	409	419	421	426	433	411	416	422	423	420	422	397	420	400	3
4	420	412	410	419	423	427	434	412	415	433	423	420	425	409	410	402	4
5	423	409	412	419	423	430	437	417	418	433	427	421	427	405	415	415	5
6	425	409	412	423	424	432	441	425	420	426	430	421	430	411	417	433	6
7	431	415	415	417	427	431	443	423	423	427	431	427	432	410	418	425	7
8	435	423	424	431	429	433	452	430	421	432	441	438	445	411	419	427	8
9	439	427	430	433	422	437	468	441	421	435	452	445	447	419	414	415	9
10	432	420	433	433	418	437	458	433	427	432	457	443	449	415	409	419	10
11	440	401	429	431	425	443	460	427	433	434	460	443	448	403	420	425	11
Noon	424	405	426	439	429	450	460	416	445	445	461	442	448	415	426	433	Noon
13	410	420	420	420	439	425	449	460	417	435	443	457	440	460	413	420	13
14	415	423	419	433	420	438	442	422	426	431	449	435	460	405	415	413	14
15	411	405	415	427	416	430	437	423	423	417	425	420	462	398	410	398	15
16	405	397	407	417	417	423	431	418	419	414	408	415	450	391	403	399	16
17	403	385	402	416	421	423	420	411	416	415	390	417	410	397	400	400	17
18	401	387	406	417	423	424	380	409	416	417	392	419	375	397	396	403	18
19	385	385	407	415	422	423	390	409	415	401	419	419	349	390	413	410	19
20	373	397	408	412	416	420	394	410	416	417	406	420	369	399	421	410	20
21	380	395	409	415	417	419	387	411	413	418	406	420	380	411	408	398	21
22	383	393	410	415	420	419	393	411	411	419	400	420	378	400	408	402	22
23	383	393	412	416	422	417	400	412	413	421	397	421	385	395	390	400	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean		Hour \ Day
Midnight	392	411	150	290	335	355	373	379	375	383	392	383	390	385	390		Midnight
1	397	413	195	290	339	357	379	387	367	375	393	390	391	391	394		1
2	400	421	220	290	341	360	383	389	385	377	399	391	405	407	399		2
3	415	420	230	300	347	363	387	390	383	381	399	391	405	405	401		3
4	408	422	245	310	350	367	389	395	397	382	398	400	407	401	403		4
5	404	421	290	315	351	371	393	403	389	389	399	401	409	395	405		5
6	405	423	279	320	355	372	396	402	378	390	397	403	410	400	407		6
7	411	419	225	315	353	375	402	411	382	392	397	405	412	410	409		7
8	413	422	185	313	357	373	400	400	381	397	393	413	413	415	413		8
9	413	450	160	340	355	372	403	395	387	401	392	423	415	428	417		9
10	410	495		350	356	370	407	400	392	403	390	430	425	433	417		10
11	409	480		347	340	380	420	405	395	406	391	440	445	435	481		11
Noon	410	450		343	335	387	420	415	386	403	391	454	445	432	421		Noon
13	415	360		330	329	390	417	410	377	400	380	443	430	430	417		13
14	409	330	155	300	328	393	413	403	381	387	376	437	403	425	411		14
15	395	175	195	285	330	380	403	397	377	387	377	430	394	415	403		15
16	391		209	295	320	370	395	385	365	392	378	418	395	390	397		16
17	390		240	280	330	363	387	372	355	391	379	410	397	382	391		17
18	391		255	300	323	364	369	383	352	393	375	409	393	390	389		18
19	391		270	315	340	367	350	392	347	391	376	405	395	392	390		19
20	390		281	315	327	367	328	387	352	390	369	397	388	390	389		20
21	391	175	285	320	327	371	332	386	347	389	382	395	377	385	389		21
22	405		275	326	343	372	351	372	348	390	387	390	387	386	391		22
23	400		260	333	350	370	365	380	365	391	380	380	389	387	392		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, 1941

29000 + (C.G.S. UNIT)

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	917	919	916	915	915	916	916	919	919	921	919	923	921	926	921	927	Midnight
1	915	919	914	915	915	916	916	916	919	919	918	922	920	927	922	920	1
2	916	918	916	914	914	915	914	916	917	918	918	920	920	926	920	923	2
3	916	918	915	914	914	915	913	916	917	916	917	918	919	924	919	923	3
4	916	915	916	914	914	915	913	916	916	913	915	917	918	922	921	923	4
5	915	917	915	915	915	915	913	916	917	913	913	917	917	921	929	921	5
6	913	916	914	914	913	915	913	914	916	913	913	915	915	920	916	916	6
7	912	917	915	913	916	915	915	917	918	914	914	912	914	919	920	921	7
8	917	921	919	917	923	923	920	920	921	920	921	915	920	926	926	929	8
9	919	921	925	921	928	929	921	920	921	921	925	917	924	933	939	937	9
10	919	919	921	921	930	931	915	921	919	921	926	923	923	934	927	942	10
11	916	917	923	923	925	927	907	918	917	915	925	925	921	931	921	935	11
Noon	910	914	919	911	912	918	901	909	913	907	923	921	915	924	911	920	Noon
13	905	911	910	901	901	912	901	901	902	899	916	925	901	916	901	907	13
14	907	908	901	896	900	911	897	897	896	889	911	914	901	911	899	905	14
15	906	904	895	901	905	910	899	898	897	890	907	914	902	908	904	906	15
16	911	911	899	909	910	912	901	901	901	893	907	914	903	907	910	911	16
17	913	912	905	914	914	915	907	910	906	899	913	916	911	914	916	916	17
18	917	919	912	917	917	917	913	915	910	907	917	919	919	919	920	921	18
19	918	919	915	917	917	917	920	917	913	911	917	918	925	920	918	921	19
20	919	918	916	917	917	917	919	918	915	913	918	919	924	921	917	921	20
21	917	917	916	917	917	918	921	919	916	915	919	919	926	921	920	921	21
22	917	919	915	916	917	917	921	920	919	917	912	919	928	922	919	921	22
23	919	918	914	916	915	916	919	919	920	917	913	919	927	923	927	927	23

29000 + (C.G.S. UNIT)

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean		Hour \ Day
Midnight	923	921	1015	959	953	946	941	940	941	949	937	No register	No register		931		Midnight
1	923	921	994	953	951	945	939	938	941	941	938				926		1
2	923	921	999	957	951	944	938	937	939	941	937				928		2
3	921	921	975	956	950	942	937	936	940	940	936				926		3
4	921	921	975	953	950	942	937	935	938	939	935				926		4
5	923	922	977	952	950	942	938	935	936	939	935				926		5
6	922	920	957	959	949	941	935	939	937	937	934				924		6
7	925	923	970	969	951	945	937	947	941	938	935				927		7
8	932	926	981	971	961	951	945	947	943	941	941				932		8
9	937	925	995	966	967	957	950	953	947	945	945				936		9
10	941	909	1009	963	963	961	949	959	945	950	driving clock out of order			945	936		10
11	937	900	1015	955	949	953	931	950	939	947				939	932		11
Noon	931	879	1013	947	935	936	917	939	930	933			925	927	923		Noon
13	924	885	1010	933	916	915	903	929	917	920			923	916	914		13
14	913	880	1007	935	918	901	903	923	914	909			921	913	909		14
15	910	892	991	945	921	900	909	920	919	913			926	917	910		15
16	910	930	989	955	921	909	921	925	928	920			930	927	916		16
17	914	959	981	969	931	923	931	931	935	927			933	931	922		17
18	923	991	979	966	945	933	936	935	937	931				930	928		18
19	922	995	971	965	950	937	939	934	940	932				929	929		19
20	924	990	969	963	949	941	945	936	943	933				931	930		20
21	926	1001	962	962	950	941	947	937	945	935				931	931		21
22	924	1025	965	959	950	941	945	939	947	936				931	932		22
23	924	999	965	955	949	941	942	943	948	936					931		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, 1941

Month and Day 1941	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	957.7	17.5	1.2	15.5	88	17.6	95	7.6	9	15.1	16.2	17.9	16.4	19.2	15.0	4.2	15.6	640	4.2	36
2	974.8	17.9	1.2	15.9	89	18.1	90	4.9	9	15.9	16.7	18.6	17.3	20.2	15.0	5.2	10.[illegible]	300	3.1	27
3	975.3	17.4	1.0	15.7	90	17.8	65	4.0	10	17.2	17.9	19.3	17.5	21.0	15.9	5.1	2.7	85	5.9	51
4	974.3	20.9	2.2	17.3	80	19.8	45	5.0	7	17.3	19.9	19.4	17.6	24.6	16.8	7.8	2.5	50	6.1	52
5	972.5	19.5	1.9	16.4	82	18.7	50	1.3	9	17.4	19.8	20.9	18.2	23.0	16.8	6.2	0.2	5	5.9	51
6	970.4	22.5	3.4	16.9	71	19.2	CALM		8	17.5	21.5	22.2	18.7	24.6	16.8	7.8	5.7	120	4.1	36
7	972.1	21.2	2.7	16.7	76	19.0	CALM		4	15.7	20.4	22.0	17.4	23.9	14.5	9.4	0.1	5	5.2	45
8	973.4	20.8	2.9	16.1	75	18.3	140	0.0	3	17.3	20.2	22.4	17.1	23.0	16.3	6.7	...	...	10.7	91
9	971.9	19.9	3.1	14.6	72	16.6	125	4.0	4	16.7	19.2	21.1	17.0	22.3	15.8	6.5	0.7	40	9.4	80
10	971.4	20.2	2.2	16.6	80	18.9	65	4.9	8	16.7	20.0	21.4	18.1	22.6	16.7	5.9	0.9	85	9.7	83
11	970.6	18.5	1.5	16.0	86	18.2	90	4.5	10	17.8	18.2	19.1	18.2	21.2	17.4	3.8	13.9	300	1.0	9
12	970.6	21.1	3.6	15.0	69	17.1	100	4.0	8	17.7	20.4	21.7	17.6	23.6	16.8	6.8	0.1	10	8.8	74
13	970.8	20.9	2.8	16.3	75	18.5	70	2.2	6	16.6	20.0	21.3	18.0	23.4	15.4	8.0	...	...	10.8	91
14	971.8	20.9	2.5	16.8	77	19.1	100	5.4	7	17.3	19.8	21.4	17.2	22.9	16.8	6.1	0.3	25	10.0	84
15	972.4	20.7	2.9	15.9	74	18.1	85	4.9	4	14.9	20.2	20.6	18.3	22.8	14.3	8.5	0.8	25	9.6	81
16	973.3	19.8	1.6	17.2	85	19.6	85	6.7	8	17.5	18.6	20.8	18.3	21.6	17.1	4.5	2.9	75	7.8	66
17	973.0	20.5	2.6	16.2	77	18.4	65	7.6	6	17.2	19.3	20.9	18.4	21.8	16.8	5.0	8.3	185	7.6	64
18	971.5	20.5	1.1	18.8	90	21.7	60	5.4	6	19.8	20.1	21.3	18.1	22.6	17.6	5.0	2.7	70	7.3	61
19	971.1	21.3	1.8	18.4	84	21.2	65	4.5	8	17.3	21.4	22.1	19.1	23.6	16.8	6.8	0.1	5	10.7	88
20	971.4	21.7	3.5	16.0	70	18.2	65	4.9	5	18.5	20.8	22.9	19.0	24.3	17.6	6.7	...	...	10.5	88
21	972.1	21.0	6.0	10.0	49	12.3	110	3.6	4	18.2	20.6	22.3	18.8	23.3	15.8	7.5	...	...	11.1	93
22	971.6	19.3	1.2	17.3	89	19.8	90	2.2	9	17.7	20.4	22.2	18.1	23.5	17.0	6.5	2.1	70	6.1	51
23	971.5	20.9	2.9	16.2	75	18.4	80	3.6	4	17.0	20.6	21.8	18.6	24.6	16.7	7.9	...	...	10.4	86
24	970.6	22.7	3.6	16.9	70	19.2	75	4.5	4	18.2	22.0	23.5	19.8	25.0	18.0	7.0	...	...	9.5	79
25	970.7	23.3	1.5	21.0	87	24.9	55	1.3	9	19.6	22.5	23.0	21.0	26.3	19.5	6.8	18.5	165	3.0	25
26	973.6	21.4	0.7	20.3	94	23.8	55	5.4	10	20.5	21.5	22.9	20.2	24.0	19.8	4.2	1.6	60	4.9	41
27	973.8	22.3	3.6	16.4	69	18.7	60	6.3	5	19.4	22.0	23.3	19.1	24.2	18.7	5.5	0.6	35	9.9	82
28	973.4	22.8	4.1	16.1	66	18.3	CALM		3	17.0	22.2	22.4	19.2	25.7	16.0	9.7	2.5	35	7.4	61
29	973.1	19.7	0.9	18.3	91	21.0	110	7.2	10	18.3	19.1	18.7	17.6	21.0	18.6	2.4	29.2	860	2.1	18
30	973.8	16.9	0.5	16.1	95	18.3	100	6.1	10	17.0	16.7	18.4	16.7	19.0	16.1	2.9	8.4	755	3.7	31
Mean	972.4	20.5	2.4	16.4	79.1	19.0	...	4.1	6.9	17.5	19.9	21.2	17.2	23.0	16.8	6.2	131.1	4005	7.22	60.9
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	+ 41.0 mbs	Amount of Rain	- 63.5 mms
Temperature of the Air	+ 1.1°C	Duration of Sunshine	+ 0.41 hrs
Vapour Pressure	+ 1.3 mbs	Mean of Maximum Temperatures	+ 2.7°C
Relative Humidity	- 0.4 %	Mean of Minimum Temperatures	+ 1.6°C
Velocity of Wind	- 0.8 m.p.s.	Absolute Maximum Temperatures	+ 2.1°C
Amount of Cloud	- 2.0	Absolute Minimum Temperatures	+ 0.7°C

Greatest Rainfall Intensity : 4.7 mms in 5 mins

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF SEPTEMBER, 1941

Month and Day 1941	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 Dines pattern vibrograph	Duration		
SEPT.	mbs	mbs	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs	°C	mms	min	mms	
1	1017.1	+ 2.7	23.6	17.7	5.9	19.9	- 0.4	2.1	16.4	+0.8	81	+ 6	18.7	15.0	6.3	155	2.3	6.1
2	1016.4	+ 2.1	23.9	17.9	6.0	20.3	0.0	2.4	16.3	+0.7	78	+ 3	18.5	14.3	2.2	95	4.4	7.7
3	1016.5	+ 2.2	24.6	18.0	6.6	21.1	+ 0.8	2.9	16.4	+0.8	75	0	18.7	13.5	0.1	5	3.8	4.6
4	1015.5	+ 1.3	25.5	18.3	7.2	21.1	+ 0.7	2.0	17.9	+2.2	82	+ 7	20.5	14.5	1.6	95	5.0	5.0
5	1012.7	- 1.5	25.2	19.3	5.9	22.1	+ 1.7	2.7	17.8	+2.1	77	+ 3	20.4	17.5	0.0	...	3.9	5.5
6	1011.6	- 2.5	26.9	18.1	8.8	21.7	+ 1.3	2.0	18.6	+2.9	82	+ 8	21.4	13.7	9.7	140	5.0	5.0
7	1013.6	- 0.5	26.1	17.2	8.9	20.6	+ 0.1	1.5	18.2	+2.5	86	+ 12	20.9	13.6	3.5	75	4.5	4.0
8	1013.8	- 0.2	26.7	15.4	11.3	21.0	+ 0.5	2.7	16.5	+0.8	76	+ 2	18.8	11.4	0.1	5	2.6	2.8
9	1012.4	- 1.6	25.3	18.9	6.4	21.1	+ 0.6	2.8	16.5	+0.8	75	+ 1	18.8	15.8	0.3	25	5.4	6.4
10	1011.7	- 2.2	25.2	18.5	6.7	21.4	+ 0.9	2.2	17.8	+2.1	80	+ 6	20.4	15.2	2.8	90	4.8	5.0
11	1011.3	- 2.5	24.0	19.1	4.9	21.3	+ 0.7	1.5	18.9	+3.1	86	+ 72	21.8	15.4	5.3	70	2.7	6.7
12	1011.5	- 2.2	25.2	18.9	6.3	21.6	+ 1.0	2.8	17.1	+1.3	76	+ 2	19.5	16.1	0.0	...	3.8	5.8
13	1011.9	- 1.8	25.9	17.4	8.5	21.3	+ 0.7	3.1	16.2	+0.4	73	- 1	18.4	11.9	0.0	...	5.5	2.4
14	1012.9	- 0.8	25.9	18.1	7.8	21.2	+ 0.5	2.8	16.6	+0.7	75	+ 1	18.9	13.2	0.0	...	5.6	2.4
15	1014.1	+ 0.5	25.9	15.0	10.9	20.7	0.0	2.5	16.6	+0.7	78	+ 5	18.9	10.5	0.0	...	4.7	4.2
16	1014.4	+ 0.8	25.8	18.9	6.9	21.6	+ 0.8	2.9	16.9	+0.9	74	+ 1	19.2	14.8	0.8	35	5.0	3.5
17	1013.7	+ 0.2	24.7	18.9	5.8	21.0	+ 0.2	2.0	17.8	+1.8	82	+ 9	20.4	15.6	11.4	135	6.4	7.6
18	1011.8	- 1.7	25.6	19.0	6.6	21.7	+ 0.9	2.4	17.9	+2.1	79	+ 6	20.5	17.8	1.2	20	5.7	5.0
19	1011.9	- 1.6	25.8	17.8	8.0	21.8	+ 0.9	2.1	18.5	+2.6	82	+ 9	21.3	13.5	0.3	15	4.8	3.2
20	1012.7	- 0.8	26.2	19.3	6.9	22.4	+ 1.5	2.9	17.7	+1.8	75	+ 2	20.3	17.1	0.1	5	5.1	3.0
21	1012.5	- 0.9	26.2	17.2	9.0	21.9	+ 0.9	3.4	15.3	-0.7	66	- 7	17.4	13.5	0.0	...	6.1	2.5
22	1012.4	- 1.0	26.0	19.0	7.0	21.7	+ 0.7	2.7	17.3	+1.3	76	+ 3	19.8	15.4	0.8	60	5.2	3.3
23	1012.1	- 1.3	27.3	17.0	10.3	21.6	+ 0.6	2.7	17.2	+1.2	76	+ 3	19.6	12.0	0.0	...	5.9	2.8
24	1010.8	- 2.5	27.7	18.8	8.9	23.3	+ 2.2	2.8	18.8	+2.8	76	+ 3	21.7	13.8	0.0	...	4.6	2.5
25	1011.8	- 1.4	28.4	22.0	6.4	24.3	+ 3.2	1.7	21.8	+5.8	86	+ 13	26.1	20.0	2.6	55	5.8	6.7
26	1014.6	+ 1.4	27.0	22.1	4.9	23.9	+ 2.7	1.7	21.4	+5.3	86	+ 13	25.5	20.9	1.5	30	4.4	7.4
26	1014.6	+ 1.4	27.0	22.1	4.9	23.9	+ 2.7	1.7	21.4	+5.3	86	+ 13	25.5	20.9	1.5	30	4.4	7.4
28	1014.5	+ 1.5	28.2	17.7	10.5	22.4	+ 1.1	2.5	18.4	+2.2	78	+ 5	21.2	13.1	0.7	20	6.3	4.8
29	1015.0	+ 2.1	23.4	19.3	4.1	21.1	- 0.2	1.3	19.1	+2.9	88	+ 15	22.1	15.8	14.5	500	2.3	9.7
30	1015.2	+ 2.3	23.9	19.1	4.8	20.6	- 0.8	2.3	16.8	+0.5	79	+ 6	19.1	16.5	1.5	50	2.5	6.8
Mean	1013.4	- 0.2	25.7	18.4	7.3	21.6	+ 0.8	2.4	17.7	+1.8	78.7	+ 5.1	20.3	15.0	67.6 Sum	1700 Sum	4.7	4.9
Average	1013.6	...	25.1	17.0	8.1	20.8	...	3.0	15.9	...	73.6	...	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, 1941

Except for the first and last days of the month the high pressure belt to the south was rather poorly developed.

The humidity was high throughout the period and rainfall fairly well distributed throughout the month. Rather heavy falls on the 29th contributed to make the monthly totals considerably above the normal.

TABLE VII (Cont'd) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF SEPTEMBER, 1941

Month and Day 1941	Duration of Bright Sunshine	Percentage of Possible 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									
1	7.4	63	5.0	+ 1.0	24.8	24.1	22.7	22.1	cro bcro b
2	4.8	41	4.1	+ 0.1	24.8	24.1	22.6	22.2	bcro c oro cro o c bc
3	7.0	60	4.6	+ 0.6	24.8	24.1	22.6	22.2	bc b bc c bc bcro bc bc
4	7.2	61	3.8	- 0.2	24.7	24.1	22.6	22.3	bo b bc cro oro bc
5	9.0	77	3.5	- 0.5	24.7	24.0	22.7	22.5	bc c bc c bc b
6	6.7	57	1.9	- 2.1	24.8	24.1	22.8	22.8	bo b bc orr oro bc
7	5.8	49	1.7	- 2.2	24.7	23.9	22.9	22.7	b bc cro bc bo
9	6.5	55	3.0	- 0.9	24.7	23.9	23.1	23.2	oro o c bc b
9	6.5	55	3.0	- 0.9	24.7	23.9	23.1	23.2	oro o c bc b
10	9.5	80	3.4	- 0.4	24.7	24.0	23.2	23.4	oro bcro bc bcro bc b
11	3.3	28	3.6	- 0.2	24.7	23.9	23.2	23.4	bcro oro cr c o bcro
12	9.7	82	2.7	- 1.1	24.6	23.9	23.3	23.4	c bc b
13	9.7	82	2.7	- 1.1	24.6	23.9	23.3	23.4	b bc b
14	10.6	89	3.1	- 0.6	24.7	24.1	23.1	23.5	b bc b bo
15	9.9	83	3.3	- 0.4	24.6	24.0	23.4	23.3	bc b
16	10.0	84	4.0	+ 0.3	24.6	24.0	23.4	23.5	b bc cro bc b bo bcro
17	6.2	52	4.5	+ 0.8	24.6	24.0	23.4	23.4	bcro bc cr orr o
18	6.8	57	3.7	- 0.0	24.6	24.0	23.4	23.4	bc bcro cro bo b bo
19	10.0	83	3.4	- 0.3	24.6	24.0	23.4	23.5	o bro bcro bc b
20	11.0	92	3.7	- 0.0	24.6	24.1	23.5	23.8	bo b b b bro
21	10.7	89	2.5	- 1.2	24.6	24.2	23.6	24.0	b bc b
22	6.3	52	2.8	- 0.9	24.6	24.1	23.7	24.2	b bcro bc cro bc bc b bc
23	6.6	55	2.4	- 1.3	24.6	24.2	23.8	24.1	bo b bc b
24	10.6	88	3.7	+ 0.1	24.5	24.0	23.8	24.0	bo b bc b
25	4.8	40	2.8	- 0.8	24.5	24.1	23.9	24.3	b bc cro bc c bcro
26	5.6	46	3.2	- 0.4	24.5	24.1	24.0	25.0	oro o cro bc
27	11.2	92	3.2	- 0.4	24.5	24.1	24.2	25.1	bc bcro b bcro bc b bo
28	5.5	45	1.6	- 2.0	24.5	24.1	24.4	25.1	bo b bc cro c bc c
29	0.8	7	3.8	+ 0.2	24.5	24.2	24.4	24.8	orr oR oro cro oro o
30	6.2	51	5.4	+ 1.8	24.5	24.1	24.4	24.3	b o cro bc cro bc
Mean	7.63	64.0	3.32	-0.45	24.63	24.05	23.40	23.53	
Average	7.98	66.9	3.77	...	24.59	23.71	22.68	22.86	
Column	19	20	21	22	23	24	25	26	27

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF SEPTEMBER, 1941

Element	Highest	hrs	Date	Lowest	Date
Atmospheric Pressure	1019.0 mbs	at 09 & 10	on 1st	1009.0 mbs	at 15.00 hrs on 24th
Temperature of the Air	28.4°C	at 14.20	on 25th	15.0°C	at 04.20 " " 15th
Daily Range of Temperature of the Air	11.3°C		on 8th	4.1°C	on29th
Temperature of the Dew Point	23.1°C	at 10.00	on 25th	12.6°C	at 15.00 " " 21st
Minimum on grass				10.5°C	on15th
Relative Humidity	95.8 %	at 00,04 & 05	on 26th	43.7%	at 15.00 " " 21st
Vapour Pressure	28.3 mbs	at 10.00	on 25th	14.6 mbs	at 15.00 hrs on21st
Evaporation in 24 hrs	6.4 mms		on 17th	2.3 mms	on 1st &29th
Wind Velocity	8.8 m.p.s	at15.00	on 30th	0.6 mps	at 17.00 hrs on28th
Rainfall in 24 hrs	14.5 mms	ending 21.00	on 29th		
Duration of Sunshine	11.2 hrs		on 13th & 27th	0.8 hr	on29th
Mean day temperature of air	23.39°C	Mean night temperature of air		19.87°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
...	10	13	6	1	9	8	3	2	...	...	...

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

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

SEPTEMBER, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	186	169	171	175	152	121	141	151	143	126	120	120	125	131	141	151	Midnight
1	181	164	166	170	147	118	137	150	140	121	118	116	121	129	140	145	1
2	178	160	161	164	141	111	133	143	134	120	116	113	118	122	139	141	2
3	172	153	159	160	139	107	131	140	128	120	112	112	112	121	132	138	3
4	171	151	154	157	133	101	130	137	125	113	110	111	111	120	131	139	4
5	170	151	157	152	130	102	127	137	126	112	110	111	111	121	132	140	5
6	176	157	161	155	131	109	130	142	130	118	113	115	113	126	140	143	6
7	181	165	170	159	136	112	131	148	132	122	119	120	119	131	144	150	7
8	182	170	171	161	140	117	136	150	134	130	124	122	121	136	149	156	8
9	190	175	176	168	142	121	140	151	138	134	126	124	124	140	150	156	9
10	190	174	180	167	141	121	141	150	134	132	122	127	124	139	150	156	10
11	181	170	172	161	134	118	139	148	128	129	120	124	121	132	145	150	11
Noon	171	163	168	152	126	112	132	140	120	120	111	117	117	123	139	141	Noon
13	161	159	159	159	146	119	105	129	130	113	113	106	111	131	138	105	13
14	155	151	151	141	111	100	126	121	110	105	101	104	110	118	129	131	14
15	151	153	151	140	109	097	126	118	104	101	099	100	107	115	126	130	15
16	153	151	153	142	110	100	129	121	105	100	099	101	107	116	129	131	16
17	154	155	156	143	110	110	130	123	109	101	100	101	111	120	130	132	17
18	158	160	158	145	113	120	132	127	113	109	103	105	115	124	136	136	18
19	161	170	163	150	116	126	138	130	116	111	110	112	121	132	142	142	19
20	169	175	173	152	118	133	143	134	120	116	114	119	129	140	150	149	20
21	171	179	176	158	121	141	151	141	126	120	119	124	132	143	156	151	21
22	172	179	179	158	124	141	154	143	125	120	121	126	134	146	156	152	22
23	171	176	180	155	124	141	152	143	123	120	120	126	135	142	155	152	23

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean	Hour \ Day
Midnight	151	137	129	136	144	128	130	120	118	140	153	151	148	160	142	Midnight
1	149	130	113	130	137	126	127	117	111	138	153	150	142	156	138	1
2	141	122	109	122	130	125	123	111	106	135	153	147	137	151	134	2
3	140	119	107	118	123	121	120	110	100	132	151	145	135	146	130	3
4	136	117	103	114	121	120	119	110	100	132	151	146	136	142	128	4
5	137	120	104	112	124	122	120	110	101	137	155	150	140	150	129	5
6	140	122	110	119	129	127	122	109	105	143	161	154	144	155	138	6
7	144	128	115	124	130	130	128	110	114	150	165	157	150	160	138	7
8	150	129	121	132	132	137	131	112	122	156	170	160	151	165	142	8
9	154	131	127	138	137	139	131	114	126	160	164	157	158	166	145	9
10	152	133	130	134	136	138	131	111	125	160	161	152	156	165	144	10
11	147	126	127	130	130	136	127	110	121	156	160	146	153	161	140	11
Noon	140	119	121	123	121	129	120	102	116	154	150	140	150	155	133	Noon
13	129	110	115	116	112	117	113	097	110	147	140	132	143	147	126	13
14	123	103	111	111	109	110	110	091	107	140	137	131	141	139	121	14
15	120	101	109	111	105	107	107	090	106	133	140	129	143	137	120	15
16	120	101	110	113	113	109	106	106	091	110	136	140	129	143	137	16
17	120	102	111	117	111	107	111	096	114	140	139	130	147	139	122	17
18	122	105	118	123	119	111	115	100	121	144	140	131	150	145	127	18
19	128	110	124	131	124	120	120	105	129	150	142	140	159	149	132	19
20	132	117	130	139	130	124	123	111	133	152	142	146	166	155	138	20
21	140	121	138	145	131	130	129	117	140	157	147	151	172	159	143	21
22	141	121	140	148	131	131	127	119	142	158	150	150	171	160	144	22
23	140	120	139	146	129	130	125	120	141	156	151	148	166	159	143	23

TABLE IX - AMOUNT OF CLOUD AT EVERY HOUR OF THE DAY (0 = CLEAR SKY, 10 = OVERVAST SKY)

Hour \ Day	SEPTEMBER, 1941																														
	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
Midnight	9	2	4	1	5	1	4	0	9	1	1	5	3	1	0	1	4	10	0	1	2	1	0	1	1	4	5	0	10	10	3.2
1	9	6	4	0	6	0	3	0	10	10	3	10	2	1	2	1	4	7	1	0	2	1	0	0	2	10	7	0	10	5	3.9
2	9	5	4	0	6	0	2	0	10	10	4	9	2	1	5	1	4	6	1	0	2	1	0	0	2	10	7	0	10	4	3.8
3	9	5	3	0	6	0	1	0	10	10	5	9	2	2	6	1	5	5	1	0	2	1	0	0	2	10	10	0	10	2	3.9
4	9	5	2	0	6	0	1	0	10	10	5	9	2	2	7	1	5	5	2	0	3	1	0	0	4	10	9	0	10	2	4.0
5	10	10	2	1	6	2	1	0	10	5	4	7	2	1	[illegible]	1	5	7	3	1	3	5	0	0	5	10	6	0	10	10	4.5
6	8	10	2	3	7	2	1	0	10	5	4	5	2	1	5	1	5	4	3	1	2	4	0	1	6	10	4	0	10	10	4.2
7	8	10	2	3	7	2	1	0	9	5	6	5	2	1	5	1	5	3	4	1	3	4	1	1	7	10	3	0	10	10	4.3
8	9	10	4	6	8	3	2	2	9	5	8	5	3	3	6	8	6	8	5	3	4	6	2	1	8	9	2	2	10	9	5.5
9	9	9	6	6	8	4	2	3	8	6	10	5	3	4	7	9	6	10	7	5	5	8	4	1	10	9	1	2	10	9	6.2
10	8	9	9	6	7	5	3	3	8	6	10	6	3	5	6	9	8	9	7	5	5	5	9	5	1	9	10	7	3	10	6.6
11	8	8	8	5	6	6	6	4	8	8	9	7	4	6	6	9	9	9	7	6	3	9	5	2	9	7	6	5	10	7	6.7
Noon	8	8	6	5	6	7	7	4	7	7	9	7	4	4	6	9	10	8	8	6	4	9	6	3	9	10	7	7	10	6	6.9
13	6	7	6	5	4	7	8	4	6	5	8	6	4	6	7	6	7	6	6	5	3	5	6	3	8	8	6	9	8	5	6.0
14	7	7	6	8	4	7	10	4	7	5	8	6	4	5	7	5	7	6	4	5	3	4	8	3	6	5	6	9	9	6	6.0
15	5	9	9	9	4	7	10	7	6	4	9	5	4	3	5	4	10	6	5	6	3	4	8	3	7	5	6	8	7	3	6.0
16	4	9	8	9	6	8	10	6	5	4	10	5	2	3	3	3	10	5	3	6	2	3	6	5	8	5	4	9	9	4	5.8
17	3	10	7	10	9	9	9	5	4	4	10	5	1	3	1	3	10	5	2	6	2	3	5	6	9	5	2	9	10	6	5.8
18	3	10	7	10	9	10	9	4	4	4	10	3	1	3	3	3	10	4	2	5	2	1	5	7	9	6	1	9	10	7	5.7
19	2	9	7	8	9	10	5	2	1	2	7	3	1	3	2	2	10	2	1	2	2	0	1	6	10	4	1	8	10	8	4.6
20	2	8	3	8	2	10	2	0	1	1	5	5	1	0	1	1	10	1	1	1	1	0	1	5	8	9	1	7	10	10	3.8
21	2	7	1	6	1	10	0	1	4	0	5	5	3	0	1	0	10	0	1	2	1	0	1	5	8	3	0	7	10	9	3.4
22	2	6	1	5	1	4	0	6	1	1	5	4	3	0	1	0	10	0	1	2	1	0	1	4	8	4	0	8	10	9	3.3
23	2	5	1	5	1	4	0	7	1	1	5	3	1	0	1	3	10	0	1	2	1	0	1	2	4	4	0	9	10	8	3.1

TABLE X - DURATION OF BRIGHT SUNSHINE AT EVERY HOUR OF THE DAY AS RECORDED BY THE CAMPBELL-STOKES SUNSHINE RECORDER

Hour \ Day	SEPTEMBER, 1941																														
	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	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	5	0	14	19	15	1	31	37	0	10	2	0	35	11	5	36	25	4	2	33	31	0	44	27	23	0	38	35	0	24	8.5
8	27	35	59	60	60	60	60	60	0	28	0	50	60	44	55	60	60	19	37	60	60	0	60	60	4	9	50	60	5	36	20.6
9	1	16	44	60	49	60	60	60	0	50	35	60	60	59	34	55	60	26	56	60	28	60	60	16	10	60	60	0	0	0	21.0
10	28	25	15	60	11	27	60	60	46	42	0	60	60	60	60	29	60	45	59	60	60	14	60	60	6	40	60	60	0	0	20.5
11	49	56	55	60	60	60	45	50	55	60	3	60	60	60	58	57	36	11	60	60	60	5	60	60	45	34	60	60	8	6	23.5
Noon	45	39	52	60	55	60	14	60	60	55	27	60	60	60	60	48	34	14	60	60	60	16	60	60	55	5	60	12	0	36	22.5
13	60	30	33	60	48	44	60	60	60	58	31	60	60	60	60	41	50	60	59	60	60	31	44	60	18	19	60	14	10	36	23.4
14	60	44	39	42	60	37	20	60	9	60	27	60	57	60	60	60	49	60	60	60	60	60	0	60	35	60	60	0	22	60	23.3
15	60	1	46	11	60	50	0	14	39	60	25	60	60	60	52	60	0	60	60	60	60	60	0	60	38	60	60	20	3	60	21.0
16	60	17	38	0	58	0	0	6	60	60	28	53	60	60	58	60	0	45	60	60	60	60	6	60	10	46	60	0	0	36	18.7
17	47	24	21	0	45	0	0	13	42	53	15	59	60	60	0	35	60	60	46	60	0	57	30	54	60	9	0	60	53	60	18.0
18	5	0	5	1	15	0	0	0	22	35	0	4	38	40	37	36	0	29	25	27	27	45	3	9	6	3	40	3	0	18	7.9
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
20																															

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, 1941

Day / Hour	1		2		3		4		5		6		7		8		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	18.2	1.4	19.1	2.3	20.2	2.2	19.4	1.4	20.7	1.7	19.3	1.2	19.2	0.8	17.2	0.9	Mid-night
1	18.0	0.9	18.7	1.6	19.9	2.1	19.2	1.2	20.7	1.9	19.0	1.3	18.6	0.7	17.3	0.8	1
2	17.9	1.1	18.1	1.6	19.8	2.0	18.9	1.1	20.9	1.8	18.2	1.1	18.2	0.9	18.6	1.2	2
3	18.0	1.0	18.3	1.2	20.0	2.2	19.0	1.0	20.9	1.8	18.4	1.1	18.0	0.9	17.6	1.2	3
4	17.8	1.0	18.1	1.4	19.1	2.1	18.8	1.1	20.7	1.7	18.7	0.8	17.9	0.9	17.0	1.0	4
5	18.1	1.1	18.1	1.8	18.8	1.6	18.6	1.2	20.5	1.7	18.4	0.7	17.3	0.8	16.0	1.0	5
6	18.0	1.1	18.6	1.6	18.1	1.6	19.1	1.1	20.2	1.5	18.1	0.9	17.2	0.8	15.7	1.0	6
7	18.2	1.0	18.5	1.2	18.6	1.6	20.3	1.5	21.0	2.0	18.9	1.0	18.2	1.0	18.0	1.0	7
8	19.2	1.2	20.3	2.3	22.0	3.7	22.0	1.9	23.1	2.5	23.0	2.0	22.0	1.1	20.9	1.1	8
9	19.2	1.1	20.0	1.9	23.1	4.8	23.3	3.4	23.2	3.1	24.1	2.9	23.8	3.0	23.0	3.0	9
10	20.0	1.7	21.7	3.0	22.2	3.9	24.4	4.2	24.1	3.1	24.3	3.1	24.7	3.9	24.6	4.1	10
11	21.2	2.1	23.1	4.5	23.7	4.4	25.0	4.6	24.7	4.4	26.1	4.3	25.3	3.6	25.2	3.5	11
Noon	21.8	2.5	22.9	4.0	24.3	4.9	25.0	4.5	24.3	3.9	26.1	4.4	24.1	1.8	26.1	4.3	Noon
13	22.5	3.4	23.2	4.9	24.4	5.2	24.5	3.9	24.9	5.2	25.8	4.4	25.2	3.2	26.2	5.2	13
14	23.2	4.1	22.9	3.8	23.3	4.2	22.6	1.6	24.9	4.9	26.2	4.2	24.9	3.2	26.6	5.5	14
15	23.3	4.2	20.0	1.1	22.0	2.9	22.0	1.8	24.7	5.0	25.5	4.1	22.1	1.9	24.6	4.9	16
16	22.3	3.4	21.9	2.8	20.8	2.1	20.9	1.1	24.0	4.2	24.5	3.0	21.1	1.2	24.0	4.9	16
17	21.5	2.9	21.3	3.3	21.3	2.3	20.8	1.7	23.2	3.4	22.1	1.1	21.7	1.2	23.3	4.2	17
18	20.5	2.8	21.0	3.1	21.2	3.2	20.3	1.4	22.3	2.8	21.4	0.7	21.4	0.8	21.6	3.0	18
19	19.5	1.8	20.7	2.4	21.1	2.4	20.5	1.4	21.2	1.6	21.0	1.0	20.4	0.9	20.1	2.6	19
20	19.6	2.4	20.0	2.0	21.1	3.1	20.7	1.6	21.0	1.9	20.9	0.9	19.6	1.0	19.9	2.7	20
21	19.2	2.3	20.0	2.0	20.2	2.5	20.6	1.6	20.0	1.3	20.9	0.9	18.6	1.0	19.7	2.4	21
22	20.1	2.8	20.0	2.1	20.6	2.5	20.1	1.5	19.9	1.7	20.2	0.9	18.1	0.9	19.7	2.1	22
23	19.3	2.1	20.3	2.2	20.3	2.0	20.2	1.2	19.7	1.2	19.6	1.0	17.7	0.8	20.1	2.1	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	20.0	2.0	19.0	1.3	20.9	1.6	20.9	1.6	19.1	1.3	18.9	1.5	18.1	1.4	19.5	1.3	Mid-night
1	20.0	2.0	19.1	1.1	20.3	1.0	20.6	1.5	18.4	1.1	19.0	1.4	17.1	1.0	19.6	1.5	1
2	19.1	1.5	19.0	1.0	19.9	0.9	20.3	1.3	18.0	1.1	18.6	1.3	16.5	1.4	19.4	1.3	2
3	19.0	1.6	18.9	0.9	19.6	0.8	20.3	1.5	17.6	1.3	18.9	1.6	16.0	1.2	19.6	1.6	3
4	19.1	1.6	19.0	0.9	19.3	0.7	19.8	1.5	17.6	1.4	18.9	1.3	15.2	1.3	19.2	1.2	4
5	19.0	1.3	19.1	1.2	19.5	0.9	19.3	1.2	18.0	1.3	18.4	1.4	16.6	1.6	19.2	1.2	5
6	19.0	1.1	19.0	1.0	19.9	0.8	19.1	1.1	18.1	1.2	18.5	1.4	17.6	1.4	19.0	1.2	6
7	19.2	1.1	19.7	1.3	20.1	0.8	19.1	1.4	19.6	1.6	19.3	1.4	19.8	1.7	20.0	1.8	7
8	20.2	1.9	21.7	1.9	20.3	0.6	22.0	2.6	22.0	2.4	21.1	1.5	21.2	2.0	23.1	3.4	8
9	22.1	3.6	22.2	2.5	21.0	1.0	23.2	3.9	24.0	4.4	23.4	4.1	23.3	3.3	23.1	3.3	9
10	23.3	4.6	22.4	2.4	21.7	1.4	23.6	4.3	24.5	4.9	24.8	5.3	24.1	4.9	21.8	2.2	10
11	24.3	5.5	24.8	4.2	22.2	1.9	24.5	4.6	25.1	5.5	24.7	5.0	24.2	4.5	23.7	3.9	11
Noon	24.7	5.6	24.0	3.9	23.0	2.2	25.0	5.2	25.3	6.0	25.2	5.6	24.7	5.1	25.2	5.6	Noon
13	25.1	5.5	24.8	4.8	23.6	2.9	24.2	4.7	25.6	6.5	25.1	5.1	25.2	5.2	24.6	5.3	13
14	24.0	4.9	24.2	4.1	23.1	3.1	24.9	5.8	25.2	5.8	24.9	4.9	23.0	2.8	25.1	5.6	14
15	23.6	4.4	24.0	4.0	23.2	3.1	24.5	5.3	24.8	5.8	24.6	4.7	24.5	4.4	24.6	5.5	16
16	23.6	4.4	23.4	3.4	23.1	2.1	24.1	5.0	24.0	5.0	23.8	4.2	23.1	3.1	24.1	4.9	16
17	22.8	3.8	22.9	3.3	23.2	3.1	23.4	4.2	23.2	4.3	23.1	4.0	23.0	3.5	23.0	4.0	17
18	21.7	2.5	21.7	2.1	22.3	2.3	21.3	2.7	21.9	3.3	21.6	3.0	21.9	2.3	21.7	3.0	18
19	20.1	2.2	20.9	1.7	21.7	1.7	20.3	2.1	20.3	2.2	20.3	2.2	20.9	1.7	20.9	2.6	19
20	19.9	2.5	20.3	1.2	21.5	1.7	20.0	1.9	20.0	2.0	19.3	1.7	20.3	1.3	20.5	2.2	20
21	19.3	1.3	20.9	1.5	21.1	1.2	20.3	1.4	19.9	1.8	19.1	1.7	20.0	1.4	20.3	2.1	21
22	19.2	1.0	21.1	1.5	21.1	1.2	19.5	1.4	19.3	1.3	18.6	1.5	20.1	1.5	20.3	2.1	22
23	19.0	1.1	21.0	1.4	21.0	1.3	19.1	1.5	19.1	1.4	19.0	2.0	19.8	1.3	19.9	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, 1941

Day / Hour	17		18		19		20		21		22		23		24		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	19.3	1.3	20.9	2.1	19.0	1.0	20.9	1.5	19.3	1.2	20.2	1.5	19.0	1.4	20.0	1.4	Midnight
1	19.3	1.1	20.7	1.9	19.0	1.0	20.6	1.4	19.0	1.3	20.2	1.4	18.8	1.6	18.8	1.5	1
2	19.2	1.1	20.4	1.9	18.7	1.0	20.6	1.5	19.4	1.2	20.1	1.6	18.9	1.8	19.2	1.2	2
3	19.1	1.1	20.6	1.6	18.4	1.1	20.0	1.3	19.2	1.2	19.6	1.5	17.2	1.3	19.9	1.2	3
4	19.3	1.2	20.3	1.4	18.2	1.1	20.1	1.3	18.9	1.2	19.3	1.3	18.3	1.6	19.1	1.2	4
5	18.9	1.0	20.3	1.2	19.4	0.8	20.6	1.6	18.3	1.2	19.9	1.6	17.5	1.5	20.2	1.1	5
6	19.1	1.1	19.7	1.4	19.7	0.9	20.3	1.5	17.7	1.1	19.6	1.4	17.0	1.3	20.1	1.2	6
7	20.3	1.7	21.1	1.7	20.5	1.1	21.5	2.3	18.4	0.7	20.1	1.4	20.4	2.1	21.4	1.4	7
8	22.3	3.5	22.2	2.3	22.7	1.7	23.1	3.2	22.2	2.4	21.4	2.0	23.2	3.6	24.2	3.4	8
9	23.1	3.7	21.7	1.9	22.9	1.9	24.2	4.1	23.9	5.5	22.9	2.8	24.4	4.3	25.2	4.0	9
10	23.8	4.0	23.1	2.4	24.1	3.0	24.8	4.8	25.1	6.2	23.4	3.3	25.0	4.9	26.5	5.4	10
11	21.8	1.6	23.2	3.1	24.3	2.7	25.6	5.5	25.4	6.4	23.2	2.3	26.1	4.9	27.0	5.5	11
Noon	21.4	1.6	24.6	4.3	25.4	4.3	25.8	5.6	25.9	6.9	23.3	2.3	26.7	4.9	27.1	5.2	Noon
13	23.1	2.7	25.0	4.3	24.8	3.8	26.0	5.6	26.0	6.8	25.0	4.9	26.0	5.0	27.3	5.5	13
14	23.7	4.5	25.1	4.6	25.0	4.3	25.4	4.8	26.0	6.9	26.0	6.0	25.0	3.9	27.3	5.3	14
15	20.2	1.3	25.0	4.7	25.2	4.2	24.7	4.4	25.9	7.8	25.3	5.1	25.1	4.4	26.6	4.6	15
16	21.8	1.6	24.0	4.2	24.7	3.8	24.5	4.4	25.3	6.3	25.1	5.7	24.3	3.8	26.0	4.2	16
17	21.8	2.1	23.0	3.3	23.7	3.5	23.8	3.8	24.0	4.8	23.9	4.8	23.4	3.3	24.6	3.3	17
18	21.4	2.0	21.7	2.4	22.5	2.5	22.4	2.5	22.2	3.2	22.0	3.0	22.2	2.3	23.3	2.3	18
19	21.2	2.2	20.6	1.6	21.2	1.3	21.6	2.0	21.3	2.2	20.7	2.0	21.2	1.9	23.0	1.9	19
20	21.2	2.1	20.1	1.3	21.1	1.5	21.0	1.9	21.0	2.0	20.3	1.7	20.6	1.6	23.0	2.0	20
21	21.1	2.1	19.9	1.6	21.0	1.4	20.9	1.8	20.7	1.8	19.9	1.9	19.8	1.7	22.4	1.4	21
22	21.1	2.0	19.3	1.2	21.0	1.7	20.4	1.4	20.5	1.6	19.9	1.9	19.3	1.4	22.5	1.5	22
23	21.1	2.0	19.0	1.1	20.9	1.4	20.0	1.4	20.2	1.3	19.6	1.8	18.6	1.6	22.3	1.5	23

Day / Hour	25		26		27		28		29		30		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.			
Midnight	22.2	1.2	23.3	0.5	22.1	1.0	19.1	1.3	20.6	1.4	19.9	1.8	19.8	1.4			Midnight
1	22.0	1.1	23.1	0.8	21.6	1.4	19.0	1.3	21.1	1.1	19.9	1.9	19.6	1.3			1
2	22.0	1.0	23.1	0.9	21.8	1.2	18.7	1.3	20.7	1.1	19.3	1.3	19.4	1.3			2
3	22.1	1.0	23.1	0.8	21.9	1.1	18.9	1.2	21.1	1.1	19.4	1.8	19.4	1.3			3
4	22.1	0.9	23.1	0.5	21.2	1.1	18.3	1.1	21.0	1.0	19.9	1.9	19.2	1.2			4
5	22.2	0.6	23.1	0.5	21.6	0.9	18.1	1.2	20.8	1.0	19.7	1.6	19.2	1.2			5
6	22.4	0.7	23.0	0.9	21.3	1.2	17.9	1.3	20.9	1.0	19.1	1.1	19.1	1.2			6
7	23.0	1.0	23.3	0.7	22.5	1.5	19.8	1.2	20.8	0.8	20.1	1.8	20.0	1.3			7
8	24.0	1.2	24.0	1.9	24.0	2.5	24.0	3.0	22.0	1.3	20.1	2.0	22.1	2.2			8
9	24.1	1.0	24.2	1.3	25.7	4.9	25.3	4.2	21.1	0.8	19.6	1.5	23.0	3.0			9
10	24.8	1.2	25.2	2.2	25.6	4.1	26.2	4.8	21.7	1.0	21.1	2.2	23.8	3.6			10
11	26.2	2.3	25.4	2.0	26.1	4.3	27.6	5.5	22.9	1.7	21.2	1.9	24.5	3.9			11
Noon	27.1	3.2	24.1	1.0	26.2	4.6	26.6	4.7	22.0	1.1	23.2	3.4	24.7	4.1			Noon
13	27.2	3.6	26.0	3.3	26.2	5.0	26.1	4.9	22.2	0.6	23.1	3.5	25.0	4.5			13
14	27.8	3.6	26.9	4.3	26.3	5.1	25.0	3.2	23.1	2.0	23.1	4.0	24.8	4.4			14
15	27.1	3.5	26.3	4.4	26.1	4.8	25.6	3.5	23.0	3.2	23.0	3.9	24.2	4.1			15
16	26.0	2.8	25.8	3.7	25.6	4.5	24.8	4.2	21.0	1.1	22.2	3.3	23.7	3.7			16
17	25.7	2.6	24.9	2.9	24.8	4.2	24.1	3.0	20.4	3.0	21.2	2.9	23.0	3.2			17
18	24.9	1.9	23.6	2.0	23.3	2.8	23.6	2.5	20.1	1.1	20.9	2.8	21.9	2.4			18
19	24.2	1.3	22.9	1.7	22.3	2.0	23.0	1.7	20.2	1.1	20.1	2.2	21.1	1.8			19
20	24.0	1.1	23.1	1.5	22.1	1.9	22.3	1.6	20.0	1.0	20.0	2.0	20.8	1.8			20
21	23.7	1.1	22.9	1.7	21.6	1.7	21.9	1.8	19.7	1.3	19.9	2.1	20.5	1.6			21
22	23.6	0.9	22.6	1.4	20.6	1.5	21.1	1.3	19.4	1.1	19.8	2.1	20.3	1.6			22
23	23.6	0.8	22.1	1.3	19.9	1.4	20.2	1.2	19.8	1.6	19.6	2.0	20.1	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 SEPTEMBER, 1941

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, 1941

Hour \ Day	1		2		3		4		5		6 *		7 *		8 *		9		10		11		12		13		14		15		16	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Mid-night	06	3.3	08	4.1	11	3.7	10	2.4	09	4.1	07	1.8	14	1.9	11	1.5	14	2.0	12	1.8	08	2.7	09	3.3	11	1.8	11	1.6	11	2.0	11	2.0
1	09	3.6	08	3.0	11	3.2	10	2.0	08	3.5	10	1.5	14	1.3	12	2.1	15	1.6	12	2.0	08	2.5	09	3.4	11	1.3	11	1.8	11	1.6	11	2.7
2	10	4.9	09	3.0	09	3.4	11	2.1	10	3.3	10	1.8	14	1.8	12	1.9	15	1.6	11	3.2	08	2.1	09	3.2	11	1.8	11	1.8	11	1.9	11	2.9
3	10	4.9	11	3.2	09	3.6	10	2.3	08	4.4	10	1.9	14	2.2	12	2.4	16	2.0	09	1.4	09	2.3	09	2.4	11	1.5	11	1.8	11	1.3	11	2.6
4	09	4.2	09	3.0	09	3.4	11	2.1	10	3.3	10	1.8	14	1.8	12	1.9	15	1.6	11	3.2	08	2.1	09	2.4	11	1.7	11	1.5	11	0.9	12	2.9
5	10	4.3	12	3.9	10	2.3	10	1.8	11	2.4	10	1.8	14	1.8	13	1.6	16	1.2	10	2.8	09	2.0	09	1.8	11	2.0	11	1.2	11	1.5	12	2.0
6	10	4.0	07	2.7	10	2.2	10	2.3	10	3.9	10	1.7	11	1.5	13	1.6	16	0.8	09	2.7	08	2.4	09	1.3	11	1.7	11	1.8	11	1.8	12	2.2
7	10	5.0	11	2.8	10	2.7	10	3.2	09	3.9	10	1.5	11	1.7	13	0.8	16	0.7	09	2.4	08	2.3	09	2.3	11	1.9	11	1.6	11	2.6	11	2.7
8	10	4.9	08	3.3	10	4.3	07	4.1	10	3.4	10	1.3	11	1.2	13	0.7	16	1.3	09	2.8	09	3.0	09	2.2	10	3.4	09	2.9	12	3.7	12	3.5
9	08	5.4	10	4.1	09	7.5	08	6.1	08	4.3	07	2.3	08	1.5	12	1.0	13	3.7	06	4.5	08	3.9	09	3.0	11	3.7	09	3.9	09	4.0	08	4.9
10	10	6.4	09	6.4	08	4.8	07	6.0	06	4.4	04	2.0	09	1.4	d24	1.8	14	4.4	08	4.8	09	5.2	09	3.5	12	4.9	10	4.6	09	5.1	12	4.4
11	10	6.7	08	6.0	08	7.4	08	5.8	05	5.1	02	3.4	r27	2.6	21	2.3	11	4.0	08	5.1	09	5.4	10	4.2	09	4.5	09	4.9	10	5.5	11	5.8
Noon	09	6.4	07	5.8	10	7.6	08	5.7	06	4.2	03	3.1	27	2.3	24	3.2	11	4.1	09	5.5	07	4.4	10	4.2	10	4.9	12	5.3	11	5.9	11	5.6
13	09	6.6	08	5.2	08	8.4	08	5.0	06	5.1	03	3.8	22	2.6	24	3.1	12	4.6	09	5.5	07	4.9	08	3.8	11	4.8	10	5.9	11	6.0	12	5.9
14	09	7.3	08	6.4	08	6.5	07	5.8	06	5.0	32	2.6	27	2.5	29	3.4	11	3.7	09	4.2	06	5.3	08	4.3	10	4.9	11	5.1	10	4.9	09	6.0
15	09	7.3	10	5.0	08	6.9	10	5.0	06	4.5	04	2.2	d06	1.4	r10	3.1	12	4.2	08	4.3	08	5.0	08	4.4	10	5.6	12	5.1	10	5.4	12	5.8
16	09	6.0	09	3.6	08	6.8	09	3.8	07	3.7	31	1.5	11	0.7	11	2.2	12	4.8	08	5.5	07	5.4	10	4.0	09	5.0	10	4.6	09	5.1	11	5.8
17	09	5.7	12	4.9	10	4.5	10	3.5	08	4.3	r14	2.2	11	1.1	10	1.9	10	4.6	09	4.4	08	4.9	10	3.3	11	4.4	11	5.1	11	4.6	11	5.7
18	09	4.2	10	3.2	09	3.3	12	4.5	06	2.4	14	1.9	11	0.8	14	3.4	11	3.8	09	3.6	08	3.4	10	2.3	11	2.5	11	3.4	11	3.4	11	4.5
19	10	3.1	10	3.9	10	4.9	10	2.6	07	2.0	14	1.2	11	0.9	12	2.8	11	2.8	10	2.5	08	2.9	10	1.2	11	1.9	11	2.0	11	2.4	11	3.5
20	10	4.4	10	2.9	09	4.1	09	3.8	07	1.8	14	1.2	11	1.7	12	2.7	12	3.8	10	2.8	09	3.4	10	1.3	11	1.4	11	1.8	11	1.4	11	3.6
21	11	4.2	10	3.8	10	3.1	09	3.9	07	1.8	14	1.4	11	2.3	12	3.2	11	4.4	09	2.5	09	3.5	11	1.2	11	1.7	11	1.5	11	3.4	10	3.1
22	09	3.4	10	3.7	09	3.3	09	3.5	07	1.1	14	1.1	11	1.4	13	3.0	10	3.1	08	3.1	09	3.4	10	1.6	11	1.7	11	1.9	12	2.8	10	3.5
23	08	3.3	09	4.1	10	2.9	10	4.2	07	1.2	14	1.8	11	1.6	12	1.5	11	2.0	07	3.1	09	2.9	11	1.7	11	1.8	11	1.8	11	2.9	12	3.1

Hour \ Day	17		18		19		20		21		22		23 *		24		25		26		27		*28		29		30			Mean
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		Velocity
Mid-night	10	3.4	09	3.2	09	2.3	09	3.1	10	1.6	11	3.0	11	2.6	12	1.5	11	2.8	07	2.0	07	2.6	11	1.8	15	1.3	11	4.4		2.6
1	09	3.1	09	2.5	09	1.9	09	3.1	10	1.3	11	3.5	12	2.3	12	1.1	10	2.8	07	1.8	08	2.4	11	1.8	18	1.1	12	4.4		2.3
2	10	3.1	09	2.9	09	1.7	09	3.7	10	2.1	11	1.5	12	2.2	12	2.0	11	2.7	07	2.1	08	1.7	11	1.9	18	1.8	12	4.5		2.5
3	10	3.9	09	3.0	11	1.2	09	3.0	10	2.2	18	0.9	12	1.4	11	2.1	11	2.4	07	1.6	08	1.8	11	1.7	18	1.2	11	3.6		2.3
4	09	3.6	09	3.1	11	1.5	09	3.5	10	1.4	17	1.1	14	1.8	11	1.6	10	2.4	07	1.7	08	1.5	11	1.6	13	1.4	12	4.4		2.2
5	09	6.7	08	4.2	08	4.4	08	4.1	10	3.2	10	3.8	16	1.8	11	2.7	10	2.7	07	1.8	08	2.7	11	1.9	12	1.4	12	4.4		2.3
6	10	3.1	09	3.6	10	1.9	09	3.2	10	1.3	14	1.4	15	1.9	12	2.1	10	3.2	06	1.7	08	2.3	11	1.5	13	2.0	10	4.0		2.3
7	10	3.9	09	3.6	10	2.6	09	2.9	10	1.1	14	2.8	15	1.2	12	2.7	09	2.3	07	2.1	08	2.6	11	1.7	12	3.0	12	4.7		2.3
8	08	5.8	09	4.7	08	2.9	09	4.0	11	2.2	12	3.0	12	2.8	10	4.2	10	2.1	08	2.8	08	3.6	11	1.5	11	3.4	13	4.4		3.1
9	09	6.7	08	4.2	08	4.4	08	4.1	10	3.2	10	3.8	12	4.2	09	4.3	09	2.2	08	2.6	07	5.3	07	1.7	11	3.6	12	5.5		4.0
10	09	5.8	05	5.4	07	4.4	06	4.9	10	4.0	11	3.9	12	4.2	10	5.6	06	3.3	07	5.2	07	5.2	04	1.4	13	4.0	12	5.8		4.4
11	10	5.0	08	4.9	07	5.1	06	4.8	10	3.3	11	3.3	09	5.0	10	6.2	07	3.2	06	5.1	06	5.6	29	2.9	11	5.6	12	5.8		4.8
Noon	08	5.8	08	5.2	09	5.1	09	4.4	11	4.2	16	2.2	12	4.4	11	5.8	06	3.1	05	4.4	08	5.8	32	3.1	11	6.1	12	7.4		4.8
13	08	7.4	08	5.4	07	5.2	08	5.0	11	4.0	10	4.0	13	2.9	09	4.8	07	3.2	08	5.1	08	6.0	d08	1.8	11	5.7	13	8.0		5.0
14	09	6.1	08	5.8	06	5.1	08	4.2	11	3.5	08	4.4	d22	1.5	12	5.1	05	3.4	07	4.6	07	5.7	d25	1.6	11	6.0	12	8.3		4.8
15	08	5.6	07	4.8	08	5.0	09	4.8	11	3.2	12	4.7	r13	2.0	11	4.8	06	3.9	08	4.9	10	4.3	25	1.3	11	5.2	12	8.8		4.6
16	08	4.4	10	4.7	07	5.0	09	4.6	12	3.0	13	4.2	11	2.8	11	5.1	05	3.3	09	4.4	05	3.8	22	1.8	11	5.3	13	6.8		4.3
17	09	4.5	09	4.2	09	5.0	09	4.2	12	2.3	11	3.4	10	3.4	10	5.0	07	2.8	09	4.3	08	3.8	22	0.5	11	5.3	13	7.4		4.0
18	09	4.1	09	3.4	09	4.4	10	4.0	11	2.0	10	2.8	11	2.9	11	4.2	07	2.4	09	3.9	08	2.8	22	0.8	11	5.4	13	5.5		3.3
19	09	4.1	09	2.7	09	3.3	10	3.5	11	1.2	10	2.0	12	1.4	10	3.7	08	2.5	09	2.8	08	1.8	22	0.7	11	4.1	13	5.2		2.7
20	09	4.4	09	2.2	09	3.0	09	4.0	11	2.2	10	1.8	12	1.2	10	3.9	08	2.6	09	3.1	08	2.0	22	1.1	12	4.1	13	5.2		2.8
21	09	4.0	09	2.8	09	3.0	09	2.2	11	2.7	10	2.6	12	1.5	09	3.8	09	2.6	09	3.4	07	1.9	22	1.2	12	4.1	13	4.1		2.8
22	09	3.3	09	2.1	09	2.7	10	2.1	11	2.6	11	3.1	12	1.3	10	3.7	09	3.1	09	2.9	07	1.2	16	1.4	11	4.7	13	4.1		2.2
23	10	3.1	09	2.1	10	3.0	10	2.1	10	3.0	11	2.5	12	1.1	12	3.1	06	2.6	09	2.2	07	1.6	12	1.3	11	4.4	14	3.1		2.5

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS) SEPTEMBER, 1941

Hour	Force (0-12) 8 or above	4 to 7	10 to 3	Direction N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
3	..	..	30	..	..	..	..	9	5	12	1	1	2	..	..	..	..	..	..
9	..	4	26	..	..	..	1	20	3	6	..	..	..	..	..	..	..	..	..
15	..	6	24	..	..	1	3	10	6	9	..	..	..	..	..	1	..	..	..
21	..	..	30	..	..	..	..	12	4	12	1	..	..	..	1	..	..	..	..
Total				..	..	1	4	51	18	39	2	1	2	..	1	1	..	..	..

TABLE XIVA - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY FOR SEPTEMBER, 1941

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
	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	1.7	0.1	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..
2	0.5	0.2	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..
3	0.2	0.3	..	..	..	..	..	..	0.2	0.7	..	..	..	..	..	..	0.5	..	..	..	..	..	..	..	..	0.1	..	..	1.0	..
4	0.8	..	..	..	..	..	..	..	..	1.9	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	0.6	..
5	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	0.2	0.1	..	..
6	1.2	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	0.1	0.1	..	..	..	..	..	..	..	..	..	0.7	..
7	0.3	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	0.2	..	..	2.0	..
8	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..
9	0.1	0.2	..	..	..	..	..	..	..	..	1.0	..	..	..	..	..	..	0.4	..	..	..	..	..	..	0.1	..	..	..	6.4	1.4
10	..	0.1	..	..	..	..	..	0.1	..	0.1	3.0	..	..	..	..	0.1	..	0.7	..	..	..	..	..	..	1.8	0.1	0.1	..	0.2	..
11	1.1	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	0.1	1.8	..	..	..	..	..	..	..	..	0.5	..	..	0.3	..
12	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	3.2	..	..	..	..	0.5	..	..	..	0.6	..	..	..	..
13	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.1	..	..	..	..	..	..	..	..	..	..	..	0.5	..
14	..	0.2	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.4	..	..
15	..	0.8	..	0.4	..	..	1.8	..	..	..	..	..	..	..	..	..	1.9	..	..	..	..	..	..	..	..	..	..	0.3	..	..
16	..	..	..	0.8	..	3.0	1.7	..	..	..	..	..	..	..	..	..	1.5	..	..	..	..	..	..	..	..	..	..	..	0.3	..
17	..	..	0.1	0.1	..	2.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..
18	..	..	..	0.2	..	4.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..
20	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	
21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.9	0.1
22	..	..	..	..	..	..	..	..	..	..	0.5	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..
24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.6	..	..	..	..	..	..	..	..	0.4	..	..	..	..	..

TABLE XIVB - RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS, FOR SEPTEMBER, 1941

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
	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	0.8	0.5	..	..	..	..	..	..	..	0.3	1.3	..	..	..	..	..	2.3	..	..	..	..	..	..	..	..	..	..	..	..	..
2	1.2	0.2	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	0.6	..	..	..	..	..	..	3.0	..
3	2.1	0.8	0.1	..	0.2	..	..	..	0.3	..	..	..	..	..	..	..	1.0	..	..	..	..	..	..	..	0.1	0.3	..	..	5.6	0.1
4	1.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.4	..	..	..	..	0.4	..	..	0.1	0.2	..	..	6.9	0.1
5	1.0	0.8	0.2	..	..	..	..	..	0.1	0.1	..	..	..	..	..	..	0.3	0.1	..	..	..	0.1	..	..	0.1	..	0.2	..	0.8	0.3
6	1.3	0.1	..	..	..	..	..	..	0.1	0.1	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	0.2	0.4	0.4	..	1.0	0.2
7	2.1	0.7	..	..	..	..	..	..	..	0.2	0.1	..	..	0.2	..	0.1	..	0.3	..	..	..	..	..	..	..	..	..	..	0.3	0.2
8	0.2	1.7	..	..	..	..	0.1	..	..	..	0.1	0.1	..	0.1	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	1.2	0.1
9	0.3	0.2	0.1	..	..	..	..	..	..	..	2.2	..	..	..	..	1.0	..	0.1	..	..	..	..	..	..	..	..	..	..	1.2	1.0
10	0.3	0.4	1.3	..	..	..	..	..	..	..	4.8	..	..	..	..	0.3	..	..	..	..	..	0.4	..	..	..	0.4	..	..	0.3	0.9
11	0.6	0.3	0.2	..	..	..	..	..	..	..	0.2	..	..	..	..	0.4	0.3	0.9	..	..	..	0.5	..	..	..	..	..	..	0.2	1.2
13	0.3	0.8	0.1	..	..	..	..	..	..	..	0.2	..	..	..	..	0.3	1.4	0.1	..	..	..	..	..	..	..	..	..	..	..	1.3
13	0.3	0.8	0.1	..	..	..	..	..	..	..	0.2	..	0.3	0.4	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	1.3	..
14	0.8	..	0.1	0.2	..	..	..	..	..	..	0.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.9	..
15	0.5	..	0.2	0.6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.5	0.2	..	..	0.6	..
16	0.1	1.0	0.3	0.7	..	4.8	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	5.7	..	..	..	0.5	..
17	0.4	0.2	..	1.0	..	..	..	..	..	..	1.8	..	..	..	..	..	..	..	..	..	..	..	..	..	0.6	..	..	..	0.4	..
18	0.4	..	..	..	..	0.3	..	..	..	..	1.6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..
19	0.1	..	..	..	..	0.2	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.9	0.3
20	0.1	1.3	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	1.4
21	..	0.5	..	..	..	0.1	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.9	1.6
22	0.4	1.0	..	..	..	..	..	..	..	..	0.1	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	1.0	0.2
23	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	0.6	..	..	..	..	..	..	..	..	..	..	..	..	0.6	0.4	0.5
24	0.2	0.2	..	..	..	..	..	..	0.1	0.1	..	..	..	..	0.1	0.8	..	..	..	..	..	..	..	..	0.2	..	..	1.9	0.2	0.1

TABLE XV - ROTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR SEPTEMBER, 1941

RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20	0.90	22.9	1.03	4
	St Antoine	50	1.06	26.9	1.17	3
	Bel Mont	50	1.05	26.7	1.15	4
	Poudre d'or	20	1.13	28.7	1.24	4
	Mon Loisir S.E.	300	2.47	62.7	1.85	13
	Forbach	300	2.31	58.7	1.20	7
	Couroupa	...	1.09	27.6	1.36	3
	Labourdonnais	290	1.34	34.0	1.61	10
	Mapou Water Works Office	...	.55	14.0	...	3
	Beau Sejour	300	2.40	61.0	2.20	13
	Mont Piton	650	2.75	69.9	2.27	11
	Mon Choix	700	2.43	61.7	1.84	12
	Antoinette	640	4.17	105.9	2.19	18
	Mon Songe	620	3.59	91.2	2.49	15
	Botanical Gardens	325	2.70	68.5	1.78	25
	The Observatory	179	2.66	67.6	1.40	22
	Solitude	175	...	...	0.81	..
	St André (Cour)	90	...	...	1.11	..
	La Nicolière	...	7.04	178.8	3.28	22
	California	...	6.84	173.7	.	15
	Australia	...	4.22	107.2	...	15
2 & 3	Union Regnard (Flacq S.E.)	600	5.66	143.8	2.63	22
	Constance la Gaiete	100	3.78	96.0	1.69	17
	Rich Fund	600	5.66	143.8	2.67	17
	La Joffrette	...	4.85	123.2	...	12
	Belle Vue (Allendy)	...	3.92	99.6	2.69	15
4	Sans Souci	900	10.72	272.3	5.83	21
	Beau Champ (G.R.S.E.)	20	...	...	1.71	..
	Olivia	400	...	...	3.15	..
	Trois Ilots	...	...	...	...	..
	Belle Rive	400	...	...	4.13	..
	Sebastopol	700	...	...	...	..
	Bonne Veine	400	9.44	239.8	5.26	21
5	Rose Belle	850	...	...	5.98	..
	New Grove	650	11.98	304.3	5.46	23
	Mon Tresor	...	6.41	162.8	...	16
	Mon Desert (Carie)	75	2.94	74.7	1.53	13
	Ferney	20	9.50	241.3	2.60	16
	Sauveterre	...	4.03	102.4	...	17
	Tivoli	1300	11.79	299.5	5.81	21
	La Flora	1050	10.51	267.0	5.38	22
	Riche Bois (Britannia	650	5.82	147.8	3.78	2
6	Britannia (Estate	700	6.39	162.3	4.03	20
	Savannah Mill	200	2.61	66.3	1.96	12
	St Aubin	300	3.14	79,8	2.70	16
	St Avold	900	9.28	333.7	4.61	22
	Colmar	400	7.30	185.4	3.03	17
	Union S.E.	...	6.67	169.4	2.23	12
	Fontenelle	320	5.06	128.8	2.95	13
	Choisy	200	3.67	93.2	2.60	13
	Beau Bois	...	7.76	197.1	...	17
	BelAir	...	2.77	70.4	1.88	3
	St Felix	...	4.70	119.4	...	3
7, 8, 9 & 10	Bel Ombre	40	2.83	71.9	1.93	14
	Beau Champ(B. du Cap)	70	2.91	73.9	2.00	16
	Frederica	...	3.39	86.1	2.36	14
	Pierrefonds	...	1.72	43.7	1.01	12
	Ste Marie	...	4.59	116.6	...	7
	Hussonia	...	...	...	...	..
11	Curepipe Gardens	1840	9.60	244.0	5.60	21
	Mare-aux-Vacoas (G.End)	1850	10.35	262.9	7.13	25
	Mare-aux-Vacoas (Arnaud)	1830	12.14	308.4	7.14	25
	La Marie Filter Beds	1700	7.80	198.1	4.10	30
	Sophie	...	...	...	...	..
	Reunion	1420	6.14	156.0	3.53	17
	Aerological Station	1393	5.16	131.1	3.40	24
	Phoenix	...	8.72	221.5	...	12
	Quatre Bornes	...	3.56	90.4	...	11
12	Quatre Bornes(Board)	1090	1.86	47.2	1.12	5
	Le Reduit (D. of A.)	1000	3.52	89.5	1.50	30
	Alma	1460	9.06	230.1	4.73	20
	Bagatelle	1250	5.37	136.4	2.69	15
	Highlands	1300	5.23	132.8	3.09	14
	Trianon	950	3.64	92.5	1.70	12
	Val Ory	1100	...	...	1.74	..
	Bassin	...	2.36	59.9	1.36	10
	Hermitage	1450	6.54	166.1	4.62	15
	Ebene	...	4.54	115.3	...	15
	Bega	...	3.63	92.2	...	15
	Mon Reve	...	3.88	98.6	...	15
	Mont Pevril	...	3.59	91.2	...	15
	Minissy	1150	4.02	102.1	2.05	15
	Plaisance	...	3.45	87.6	...	11
	La Ferme	350	1.53	38.9	0.75	12
13	Line Barracks	...	1.33	33.8	...	12
	Tobacco Research Stn.Richelieu	...	2.01	51.0	...	14

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE AEROLOGICAL STATION, VACOAS, 424.5 METRES ABOVE SEA LEVEL, DURING THE MONTH OF SEPTEMBER, 1941

Type		St & Fs		Cumulus Cu.St. &c.		Alto. Cu Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus			St & Fs		Cumulus Cu.St. & c.		Alto. Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
Day	Time	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Bir.	Vel/ Height	Time	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height
		0		0		0		0		0		0			0		0		0		0		0		0	

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NEW SERIES (MONTHLY) VOL. XXVII PART X

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WEATHER BUREAU

MAURITIUS

ROYAL ALFRED OBSERVATORY

LATITUDE 20°5'39S., LONGITUDE 3h 50m 12.6"

RESULTS
OF
MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

OCTOBER, 1941

N.R. Mc CURDY, B.Sc. F.R. MET.SOC.

DIRECTOR

PUBLISHED IN 1965 BY

E.G.DAVY, O.B.E., B.Sc., F.S.S.

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TABLE I - RESULTS OF MAGNETICAL OBSERVATIONS MADE DURING THE MONTH OF OCTOBER, 1941

Month and Day 1941	Mean Declination (West)	Mean Horizontal Force (C.G.S. Units)	Mean Vertical Force (C.G.S. Units)	Daily Range + Declination	Daily Range + Horizontal Force Unit	Daily Range + Vertical Force 1 γ	H.R.h. 10,000	Z.R.z. 10,000
OCT								
1	14° 12'.8	.22404	.29930	7.7	29	28	65	84
2	12.5	407	...	7.7	30	..	67	..
3	12.7	405	...	11.2	22	..	49	..
4	12.3	419	922	13.5	50	65	112	198
5	12.8	415	924	7.3	29	37	65	110
6	12.9	419	924	8.2	45	42	101	126
7	13.1	422	931	11.2	41	27	92	81
8	12.2	412	929	8.0	55	35	123	105
9	12.6	405	927	11.5	17	44	38	131
10	12.8	427	927	12.0	33	36	74	108
11	12.2	398	928	13.5	95	49	213	146
12	12.6	395	932	7.0	41	24	92	72
13	12.9	408	932	10.2	24	22	54	66
14	12.7	409	937	8.5	39	15	87	45
15	12.5	404	935	5.8	48	33	108	99
16	13.6	408	934	5.5	38	16	85	48
17	13.2	421	934	7.[illegible]	33	26	74	78
18	13.5	419	930	8.6	32	44	72	131
19	12.9	421	930	8.0	57	32	128	96
20	12.7	429	933	8.7	32	33	72	99
21	...	437	932	...	36	33	81	99
22	...	427	932	...	128	48	287	143
23	13.9	405	938	9.0	55	31	123	93
24	14.1	407	937	8.0	37	28	83	84
25	13.6	428	935	11.3	43	30	96	90
26	13.1	425	932	8.5	47	25	105	75
27	13.6	418	934	8.0	34	20	76	60
28	13.5	429	934	8.2	37	22	83	66
29	13.3	440	937	7.0	48	20	108	60
30	13.1	440	930	8.0	36	22	81	66
31	14.1	426	938	9.5	75	19	168	57
Mean	14° 13'.04	.22417	.29932	5.83	44.1	31.2	98.8	93.3

Description of the Principal Magnetic Disturbances

Horizontal: Force

Slightly disturbed from 2nd 20h to 3rd 3h
10th second half : gradual commencement with a slightly disturbed trace of a moderate storm culminating in intensity between 11th 12h and the first hours of 12th. Large wave formfluctuations (25 γ) between 11th 20h and 12th 1h. Storm completely subsides after 7h on 12th.
19th : slightly disturbed at end.
22nd second half : A moderate storm with gradual commencement at 12h. Intensity culminates between 22nd 20h and 23rd 1h Minimumforce is reached at 21h 30m after which sharp rapid oscillations take place in the trace. Absolute range 150 γ ; Trace becomes almost quiet after 23rd [illegible]h.
24th very slightly disturbed. At 23h 15m large positive wave (45 γ) starts.
26th and 27th very slightly disturbed.
31st sudden commencement at 7h 40m of an intense storm of fairly long duration. The first part of the storm consists mainly of small pulsations of a slowly decreasing force. More important fluctuations take place after 31st 20h.

T = .37396 : Mean Dip : 53° 10'.17 : X = .21731 : Y = -.05505 : Z = .29932
+ = The daily range is the difference between the greatest and least hourly values

TABLE II - RESULTS OF ABSOLUTE DETERMINATIONS OF THE MAGNETIC ELEMENTS DURING THE MONTH OF OCTOBER, 1941

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	° '	
7.14.33	14.08.6	2. 9.58	.22413	7.13.44	53.07.81	.29917
14.13.36	14.09.5	6. 9.25	.22429	14.13.50	53.10.81	.29930
21.14.33	14.09.0	9.11.38	.22412	21.14.52	53.07.31	.29919
28.14.35	14.13.5	13. 9.18	.22400	28.14.46	53.07.57	.29917
		16. 9.43	.22411			
		20.11.02	.22431			
		27. 9.44	.22422			
		30. 9.48	.22466			

TABLE III - MAGNETIC DECLINATION(WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

OCTOBER, 1941

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
								13° +									
Midnight	14.0	13.0	13.5	13.0	12.3	12.5	12.0	12.3	13.0	13.0	14.0	13.0	14.0	13.5	14.0	14.3	Midnight
1	13.0	13.0	14.0	13.0	12.5	12.5	12.5	12.2	13.0	12.7	14.5	15.0	14.0	13.5	14.0	14.7	1
2	13.0	13.5	14.0	13.0	13.0	12.5	12.3	12.0	12.7	12.7	14.0	14.3	13.5	13.5	13.7	15.0	2
3	13.0	13.3	14.0	13.0	12.7	12.5	12.3	12.3	13.0	12.5	13.9	11.0	13.0	13.3	13.5	14.3	3
4	13.0	13.5	13.8	12.7	12.5	12.7	12.7	12.2	13.5	13.0	14.0	12.5	12.5	12.5	12.0	14.0	4
5	13.0	13.3	14.0	12.5	13.0	13.5	12.5	12.5	13.5	12.7	13.0	13.0	13.0	13.0	12.7	14.0	5
6	12.0	12.5	13.5	13.0	12.3	13.0	12.0	10.0	12.7	12.5	12.5	15.0	13.7	12.5	12.0	14.0	6
7	11.0	13.5	14.0	13.5	12.7	14.0	13.5	11.0	13.5	14.0	14.0	11.0	14.5	13.3	13.7	14.0	7
8	12.7	15.0	15.5	15.0	13.5	15.5	15.5	13.0	14.5	16.0	15.5	13.0	16.0	14.5	13.5	13.0	8
9	14.0	15.7	16.7	18.0	15.5	16.5	18.0	14.0	16.5	17.5	16.3	14.0	16.5	15.5	14.0	14.0	9
10	16.0	15.5	17.5	19.5	17.0	17.5	19.5	15.5	17.5	18.5	16.5	15.0	16.5	16.0	14.0	15.5	10
11	16.7	14.5	15.0	18.5	17.0	17.0	19.0	15.0	16.5	16.0	14.5	14.0	16.0	15.7	13.0	16.0	11
Noon	16.0	12.5	11.0	14.0	14.0	14.7	16.0	13.0	13.0	13.0	12.0	11.0	14.5	14.0	12.0	15.3	Noon
13	11.5	10.5	07.0	08.0	12.0	12.0	12.0	10.0	08.0	08.5	06.0	09.7	11.0	10.3	10.0	14.0	13
14	09.0	09.3	06.3	06.0	10.0	09.5	08.7	07.5	06.0	06.5	03.0	09.5	08.0	08.3	08.5	12.0	14
15	09.5	08.0	08.0	07.5	09.7	09.3	08.3	08.5	06.5	07.0	03.5	08.0	06.3	07.5	10.0	11.0	15
16	10.7	09.0	10.0	10.0	10.5	10.0	10.0	10.0	09.0	08.0	05.0	09.0	08.0	08.7	11.0	10.5	16
17	12.5	10.5	12.0	12.3	12.0	10.5	12.3	11.5	11.5	10.5	08.0	11.0	10.5	10.0	11.5	11.5	17
18	13.0	12.0	12.7	12.7	12.5	11.7	12.5	12.5	12.7	12.3	10.0	13.0	12.5	12.0	12.0	13.0	18
19	12.7	12.0	12.7	12.3	12.5	12.3	12.3	12.7	13.0	14.5	12.5	13.5	13.0	12.0	12.0	12.7	19
20	12.5	12.0	12.5	12.3	12.7	12.3	12.5	13.0	12.7	14.7	13.0	12.7	14.7	13.0	12.5	13.0	20
21	12.7	12.3	12.7	12.3	13.0	12.5	12.7	14.0	13.0	14.7	15.0	14.3	13.3	13.5	12.7	13.0	21
22	12.7	12.5	13.0	12.5	12.7	12.3	12.7	14.0	13.0	13.0	16.0	14.0	13.7	13.5	13.5	13.5	22
23	13.0	12.7	13.0	12.5	12.5	12.5	12.3	13.3	13.0	13.5	16.0	14.0	13.5	13.7	14.3	13.7	23

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
								13.° +									
Midnight	13.7	13.3	13.7	13.3	13.5		15.5	14.5	14.0	14.0	13.7	13.5	14.5	14.0	14.0	13.6	Midnight
1	14.5	13.5	13.9	13.5	13.7		17.0	14.3	14.2	13.5	13.5	13.5	14.0	14.3	14.3	13.7	1
2	14.5	13.5	14.0	13.5	14.0		14.7	13.8	14.5	13.5	14.7	13.5	13.5	14.5	14.5	13.6	2
3	14.5	13.8	14.0	13.5	14.2		14.5	14.2	14.5	14.0	14.0	13.0	13.7	14.5	14.7	13.5	3
4	14.7	14.0	14.0	13.5	14.5		14.7	14.0	14.0	14.2	13.5	13.3	14.5	14.5	14.0	13.4	4
5	14.5	13.7	14.0	13.7	14.7		15.0	15.5	15.5	14.2	14.7	13.7	12.5	14.7	14.7	13.6	5
6	14.3	13.5	14.0	13.5	14.0		16.0	17.0	16.0	14.0	15.5	14.0	13.0	15.0	14.7	13.6	6
7	14.5	14.5	14.0	14.0	15.0		16.7	17.0	17.0	15.5	16.7	16.0	16.0	16.0	14.5	14.3	7
8	15.5	16.5	14.5	14.7	15.3		16.3	17.5	17.0	16.5	17.0	16.7	17.0	16.0	16.5	15.3	8
9	16.3	18.0	15.5	15.7	15.3		16.5	17.0	18.0	16.5	17.5	16.5	16.5	15.5	15.5	16.1	9
10	16.3	18.3	16.0	15.5	14.5		15.7	16.0	18.3	14.3	16.0	16.0	15.5	14.3	14.0	16.3	10
11	15.5	17.5	14.5	14.0		13.5	14.5	14.7	15.0	14.0	14.7	14.7	14.5	13.0	13.0	15.3	11
Noon	12.0	15.5	13.0	11.0		12.0	12.0	11.0	13.5	12.3	12.5	12.7	12.7	11.5	12.5	13.0	Noon
13	09.5	12.5	10.5	08.0		09.5	08.5	09.5	09.0	09.5	10.5	11.0	09.7	10.5	11.0	10.0	13
14	09.0	10.3	08.0	07.0		08.0	08.0	09.5	07.0	08.0	09.5	08.7	10.0	08.0	09.5	08.3	14
15	08.7	09.7	08.5	09.5		08.3	09.0	10.0	07.3	08.5	09.7	08.5	10.0	08.3	10.0	08.5	15
16	09.7	10.0	10.0	10.7		09.0	11.0	12.5	09.0	10.0	10.0	10.0	11.3	09.7	11.0	09.8	16
17	11.5	11.5	11.7	12.3		10.0	13.7	13.0	11.5	12.0	11.0	12.5	12.5	11.0	13.0	11.6	17
18	12.3	12.0	12.3	12.5		11.0	14.3	13.5	12.7	12.5	12.7	14.0	13.0	12.5	13.7	12.6	18
19	12.7	12.0	12.5	13.0		11.7	13.7	14.5	13.3	12.7	13.5	13.7	12.7	13.5	14.0	12.9	19
20	13.0	12.5	12.3	13.0		12.5	14.0	14.0	13.5	13.0	13.3	13.5	12.7	13.0	14.0	13.0	20
21	13.0	12.5	13.0	12.7		15.5	14.3	14.7	13.5	13.5	13.5	13.7	13.0	13.3	16.0	13.0	21
22	13.3	13.0	13.3	12.7		19.5	14.0	15.0	14.0	13.5	13.7	15.5	13.0	13.5	19.0	13.7	22
23	13.5	13.5	13.5	13.0		15.5	13.7	15.7	14.0	15.3	14.0	15.3	14.0	14.7	13.7	13.7	23

TABLE IV - MAGNETIC HORIZONTAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

OCTOBER, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	391	399	406	403	417	409	408	412	400	409	421	416	400	415	405	400	Midnight
1	410	402	399	400	417	410	407	413	402	415	420	390	399	412	407	392	1
2	399	400	402	400	420	411	417	417	412	420	420	398	401	413	410	396	2
3	399	402	413	403	418	412	415	420	409	421	418	405	403	415	415	401	3
4	401	403	407	405	417	419	404	421	409	422	417	419	411	420	425	405	4
5	401	405	403	413	415	418	405	415	411	424	425	410	408	421	420	407	5
6	398	406	402	415	411	419	419	423	410	428	430	399	407	421	419	411	6
7	405	409	406	420	415	421	423	422	407	430	427	[illegible]	405	416	423	409	7
8	409	411	409	420	417	425	427	419	405	433	430	[illegible]	406	415	423	412	8
9	407	413	405	420	420	428	425	420	407	431	435	[illegible]	412	415	430	413	9
10	412	417	408	423	422	439	445	428	407	430	[illegible]	[illegible]	410	419	430	423	10
11	420	420	411	430	430	445	435	435	407	441	420	[illegible]	420	421	420	425	11
Noon	416	425	417	435	431	441	439	427	402	442	432	395	423	419	410	425	Noon
13	416	413	413	450	450	427	435	443	419	437	400	395	423	413	407	421	13
14	414	410	409	445	429	436	437	415	395	436	370	390	417	407	390	419	14
15	410	409	405	435	415	430	433	411	395	431	345	380	405	395	385	417	15
16	403	405	406	427	411	421	428	408	397	433	355	378	402	398	392	415	16
17	400	407	400	420	414	411	425	403	398	425	340	383	403	400	383	405	17
18	397	405	397	417	406	403	417	407	399	428	360	389	403	403	387	402	18
19	396	400	395	413	403	402	416	405	409	429	362	385	408	395	383	403	19
20	399	396	397	413	402	405	416	403	411	431	373	390	407	382	383	411	20
21	399	395	398	416	403	400	415	380	410	415	357	399	407	397	385	390	21
22	395	403	403	415	407	407	412	381	410	418	375	400	409	407	382	387	22
23	400	411	403	417	405	409	413	392	406	413	385	395	411	406	389	400	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	407	417	410	413	421	434	380	399	431	419	403	422	419	440	433	412	Midnight
1	415	421	415	415	423	434	380	400	409	419	405	421	422	441	431	411	1
2	413	423	421	419	427	436	375	409	412	422	409	423	422	441	435	414	2
3	416	423	421	421	428	437	410	412	410	422	410	422	421	442	437	416	3
4	419	421	422	423	429	436	400	416	423	424	420	423	422	441	442	418	4
5	421	420	423	421	431	433	397	412	428	426	417	422	429	441	444	418	5
6	432	420	423	420	428	435	403	410	427	426	416	424	433	442	446	419	6
7	425	419	430	429	435	438	405	413	430	431	419	429	439	440	459	422	7
8	430	422	431	433	436	439	404	405	433	432	419	433	444	445	482	424	8
9	435	430	433	437	441	445	417	407	440	435	425	437	455	457	465	427	9
10	440	435	436	437	442	445	427	406	447	440	430	439	462	459	445	430	10
11	435	430	431	433	455	450	430	416	450	441	432	440	465	454	440	431	11
Noon	426	427	440	432	456	461	429	423	452	447	437	441	467	456	445	433	Noon
13	432	416	443	431	457	463	426	413	447	446	425	447	460	453	445	429	13
14	428	417	437	430	455	460	417	412	441	434	417	445	451	450	433	424	14
15	421	417	430	429	453	451	413	417	430	428	411	437	445	440	425	418	15
16	415	418	425	426	448	442	409	413	426	423	413	436	441	433	412	411	16
17	412	419	415	420	440	429	402	409	423	421	416	430	439	426	417	411	17
18	411	416	400	410	431	425	400	401	420	420	413	420	436	423	420	409	18
19	411	413	400	405	429	425	390	395	420	413	414	410	440	424	415	407	19
20	416	417	407	409	428	400	389	396	419	417	41[illegible]	418	440	430	407	407	20
21	414	409	386	417	427	360	395	395	417	416	417	419	437	431	375	403	21
22	414	403	405	423	431	335	410	389	418	410	418	425	436	430	351	403	22
23	415	403	409	421	432	355	410	386	414	400	420	425	435	432	360	405	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, 1941

29000 + (C.G.S. UNIT)

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	931			931	925	929	930	930	932	931	931	935	935	932	941	936	Midnight
1	931			930	925	929	930	930	932	931	931	939	937	933	941	936	1
2	931			930	925	929	929	929	931	929	930	937	936	933	941	936	2
3	931			930	925	929	928	928	930	929	930	935	935	933	940	935	3
4	931	of order	- do -	931	927	928	929	927	930	929	930	935	935	933	940	934	4
5	931			931	929	930	930	929	930	929	930	934	935	933	940	935	5
6	931			931	928	929	929	926	930	929	929	939	936	931	940	933	6
7	933			933	931	933	934	930	934	930	934	933	939	936	941	937	7
8	936			940	939	937	939	939	941	939	937	939	939	941	941	938	8
9	937	937	941	943	943	939	941	941	941	943	940	940	939	945	941	940	9
10	941	936	933	941	951	935	943	944	943	943	933	937	936	943	947	941	10
11	940	932	917	929	945	930	943	940	940	933	931	933	934	945	942	936	11
Noon	929	925	918	905	931	913	932	927	923	922	917	928	936	941	932	929	Noon
13	913		919	878	919	900	921	915	904	913	901	923	918	932	920	927	13
14	913		920	879	914	897	916	909	899	907	896	916	917	930	914	926	14
15	919		919	895	917	901	920	915	902	910	905	916	917	936	918	925	15
16	925	driving gear out	925	909	921	907	929	921	911	915	916	923	933	936	925	927	16
17	931		932	920	925	912	931	927	919	920	925	929	930	937	932	931	17
18	931		933	923	928	919	931	928	925	923	933	933	932	937	935	936	18
19	931		933	925	930	923	929	929	925	923	938	932	931	937	934	935	19
20	931		933	927	931	927	930	930	926	924	937	934	931	939	939	936	20
21	931		932	927	932	930	931	933	928	925	939	935	932	940	936	936	21
22	931		932	927	931	930	931	936	930	929	945	936	932	941	935	939	22
23	931		931	926	931	930	931	935	931	931	945	935	932	941	935	938	23

29000 + (C.G.S. UNIT)

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	936	934	935	936	935	933	945	941	940	939	939	937	937	935	933	935	Midnight
1	938	933	934	935	935	933	947	941	939	938	939	938	937	934	935	935	1
2	936	933	933	934	934	932	945	940	939	937	939	938	937	935	935	934	2
3	937	934	933	933	933	932	941	940	939	937	939	937	939	935	936	934	3
4	938	935	935	935	935	932	942	939	939	937	937	939	938	935	937	934	4
5	937	936	936	937	935	935	943	940	939	937	939	939	939	936	937	935	5
6	936	937	936	936	936	938	946	942	939	938	941	939	937	937	937	935	6
7	940	941	937	939	940	939	946	946	943	939	941	940	937	940	938	937	7
8	943	945	936	943	943	936	945	945	945	940	939	941	939	935	930	940	8
9	943	945	937	945	947	933	943	943	944	933	928	939	931	930	939	940	9
10	940	947	934	941	943	930	937	942	939	925	931	937	939	927	937	939	10
11	933	929	925	937	935	927	935	935	935	921	930	933	936	925	940	934	11
Noon	923	916	915	929	923	923	929	927	924	920	927	928	931	920	940	925	Noon
13	921	906	909	917	916	915	920	920	915	915	923	921	923	916	931	916	13
14	917	903	907	912	914	911	916	917	916	917	921	919	924	915	932	913	14
15	921	907	915	919	920	914	923	921	923	922	925	920	928	917	936	918	15
16	939	915	923	921	924	921	930	927	931	927	929	925	935	921	940	924	16
17	935	923	927	927	929	927	937	935	935	934	931	930	940	929	941	929	17
18	936	927	930	931	930	931	939	936	935	935	934	935	941	931	940	932	18
19	937	930	933	934	931	930	938	937	934	936	935	936	941	933	[illegible]	933	19
20	937	931	937	937	931	933	940	939	935	935	935	936	941	[illegible]	[illegible]	934	20
21	936	933	939	936	933	943	941	941	936	935	935	935	942	932	941	934	21
22	935	935	938	936	934	959	943	942	937	938	936	939	943	933	950	937	22
23	934	936	936	935	934	950	939	944	939	940	937	935	943	933	947	936	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, 1941

Month and Day 1941	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
OCT.	mbs	°C	°C	°C	%	mbs	o	m.p.s		°C	°C	°C	°C	°C	°C	°C	mms	mins	hrs	%
1	973.0	18.0	1.1	16.2	89	18.4	105	8.9	9	16.5	17.4	19.3	17.3	20.0	16.0	4.0	5.2	465	6.0	50
2	972.7	19.8	3.9	13.0	65	15.0	110	4.9	4	17.2	19.3	21.0	15.4	22.3	16.0	6.3	0.3	30	10.5	87
3	971.3	20.7	4.8	12.2	59	14.2	90	1.3	3	10.1	20.4	21.9	16.7	24.6	13.1	11.5	...	...	8.1	66
4	969.5	21.1	4.5	13.3	61	15.3	CALM		2	14.3	20.7	20.9	17.0	24.6	13.2	11.4	...	...	6.3	52
5	968.9	22.5	4.8	14.4	60	16.4	CALM		7	15.6	22.1	21.7	17.6	26.0	13.5	12.5	...	...	7.4	61
6	971.5	21.2	1.5	18.8	86	21.7	95	6.3	3	16.8	21.0	21.6	17.6	23.0	15.1	7.9	0.1	10	11.0	90
7	972.7	20.7	2.3	16.9	79	19.2	95	8.1	6	16.4	19.9	21.4	17.7	22.9	16.2	6.7	...	...	10.8	88
8	971.6	21.2	3.9	14.6	66	16.6	90	5.0	2	16.8	20.4	22.2	17.2	25.2	16.8	8.4	...	...	9.8	80
9	969.7	21.1	2.2	17.5	80	20.0	90	0.9	10	16.3	20.7	23.3	18.3	25.1	16.5	8.6	...	...	4.4	36
10	970.7	21.9	3.2	16.7	73	19.0	100	5.8	6	17.2	21.3	22.6	18.2	24.4	17.4	7.0	1.8	65	10.2	83
11	972.6	21.2	2.5	17.1	77	19.5	80	3.6	6	17.1	20.4	22.1	18.3	23.8	17.0	6.8	0.7	50	10.4	84
12	972.7	22.3	3.9	15.9	67	18.1	70	3.3	5	16.1	21.9	22.7	19.0	25.0	16.2	8.8	0.4	25	9.0	73
13	971.4	22.1	1.7	19.5	86	22.7	50	3.1	8	17.2	21.8	22.4	17.8	24.7	18.0	6.7	0.2	5	9.0	73
14	971.3	22.2	1.7	19.6	85	22.8	95	0.9	9	16.3	22.3	22.9	18.3	25.1	16.5	8.6	0.5	30	3.9	31
15	971.8	23.7	5.1	15.2	59	17.3	75	2.2	6	17.4	22.8	23.3	18.6	26.6	17.3	9.3	...	...	6.6	53
16	973.2	22.7	3.1	17.8	74	20.4	80	1.3	8	17.8	22.0	24.0	18.6	25.6	17.6	8.0	...	...	9.4	75
17	972.8	23.5	1.2	21.7	90	26.0	85	4.5	5	18.0	23.0	23.2	18.3	25.4	17.4	8.0	...	...	9.8	79
18	972.6	22.9	2.8	18.4	76	21.2	90	3.6	4	17.9	22.6	23.4	18.6	25.3	16.9	8.4	0.2	15	10.5	84
19	972.3	23.3	1.9	20.4	84	24.0	90	1.3	5	17.1	22.7	23.6	18.3	25.3	16.4	8.9	...	...	9.7	78
20	971.4	23.9	3.6	18.2	71	20.9	65	3.1	9	18.0	23.0	23.9	19.0	25.3	17.6	7.7	...	...	10.7	85
21	971.5	21.7	1.5	19.4	87	22.5	50	3.6	9	17.9	19.4	23.4	20.0	26.4	17.6	8.8	1.1	25	4.9	39
22	970.6	23.0	1.8	20.2	85	23.7	35	2.7	9	19.5	22.1	24.7	20.3	26.7	19.4	7.3	4.2	40	4.7	38
23	969.2	23.9	2.2	20.5	81	24.1	325	1.8	9	20.1	23.2	23.8	20.6	26.6	19.5	7.1	2.8	80	4.7	38
24	968.4	19.9	0.3	19.4	97	22.5	CALM		10	19.1	19.5	25.2	19.3	26.5	18.7	7.8	22.4	215	2.4	20
25	968.8	25.1	1.8	22.4	85	27.1	CALM		2	18.0	24.6	24.9	18.2	27.6	16.8	10.8	...	...	7.7	61
26	970.9	23.7	3.4	18.0	70	20.6	CALM		9	17.6	23.1	26.2	20.0	27.5	16.9	10.6	0.8	35	8.1	64
27	972.2	21.1	1.1	19.4	90	22.5	100	7.2	10	17.3	19.4	20.5	18.7	21.7	18.0	3.7	36.5	1080	5.3	42
28	972.5	20.7	1.2	18.8	89	21.7	90	8.9	6	18.0	20.5	21.3	19.0	23.0	18.5	4.5	9.1	370	7.8	62
29	972.3	21.9	0.6	21.0	95	24.9	90	6.7	5	18.2	21.6	22.2	18.6	23.6	18.0	5.6	0.2	15	10.7	85
30	971.7	23.4	4.7	15.7	62	17.8	65	5.8	7	18.2	23.0	23.3	19.4	24.8	18.0	6.8	0.9	65	10.2	81
31	970.9	22.6	0.8	21.4	93	25.5	90	6.0	8	18.6	22.3	23.1	19.2	24.7	17.9	6.8	2.8	50	10.0	79
Mean	971.4	22.0	2.6	17.9	78.1	20.7	...	3.6	6.5	17.3	21.4	22.8	18.4	24.8	16.9	7.9	90.2	2670	8.06	65.0
Average	970.0	21.1	3.2	15.8	71.6	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	+ 41.0 mbs	Amount of Rain	- 53.1 mms
Temperature of the Air	+ 0.8 °C	Duration of Sunshine	+ 0.92 hrs
Vapour Pressure	- 0.5 mbs	Mean of Maximum Temperatures	+ 2.7 °C
Relative Humidity	- 5.5 %	Mean of Minimum Temperatures	+ 2.0 °C
Velocity of Wind	- 0.3 m.p.s.	Absolute Maximum Temperatures	+ 2.2 °C
Amount of Cloud	- 1.8	Absolute Mihimum Temperatures	+ 0.7 °C

Greatest Rainfall Intensity at Vacoas = 10 mms in 15 mins.

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF OCTOBER, 1941

Month and Day 1941	Atmospheric Pressure		Temperature of the Air					Excess of Air Temp over Evaporation Temperature	Temperature of the Dew Point		Relative Humidity (Sat. = 100)		Vapor 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 Dines pluviograph	Duration		
OCT.	mbs	mbs	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs	°C	mms	mins	mms	
1	1014.6	+ 1.8	25.1	18.9	6.2	21.0	- 0.4	2.8	16.4	+ 0.1	75	+ 2	18.7	16.33	1.2	105	6.1	6.4
2	1013.2	+ 0.5	25.9	15.7	10.2	21.2	- 0.2	4.0	14.4	- 1.9	65	- 8	16.4	15.5	0.0	...	6.2	2.1
3	1011.8	- 0.9	26.3	13.8	12.5	20.1	- 1.4	3.6	13.9	- 2.5	67	- 6	15.9	8.7	0.0	...	6.8	3.4
4	1010.1	- 2.5	26.7	14.6	12.1	20.7	- 0.8	3.6	14.6	- 1.8	68	- 5	16.6	10.1	0.0	...	4.0	2.9
5	1010.3	- 2.2	27.2	15.6	11.6	21.6	0.0	3.6	15.6	- 0.8	69	- 4	17.7	10.5	0.0	...	6.1	3.9
6	1013.1	+ 0.6	26.7	15.6	11.1	21.6	0.0	3.8	15.3	- 1.1	68	- 5	17.4	10.8	0.0	...	5.9	2.3
7	1014.2	+ 1.8	26.8	19.0	7.8	22.4	+ 0.7	4.1	15.6	- 0.9	65	- 8	17.7	15.3	0.0	...	8.3	2.6
8	1012.1	- 0.2	26.9	19.1	7.8	22.5	+ 0.8	3.9	16.1	- 0.4	67	- 6	18.3	16.6	0.0	...	7.0	1.8
9	1010.8	- 1.4	27.2	19.0	8.2	22.2	+ 0.4	2.4	18.4	+ 1.8	79	+ 6	21.2	14.2	0.9	40	5.8	6.5
10	1012.1	0.0	27.2	19.0	8.2	22.5	+ 0.7	3.0	17.7	+ 1.1	74	+ 1	20.2	14.5	0.0	...	4.6	3.7
11	1014.1	+ 2.1	27.0	19.1	7.9	22.6	+ 0.8	3.1	17.7	+ 1.1	74	+ 2	20.3	14.0	0.1	10	6.5	5.1
12	1013.8	+ 1.8	27.5	18.1	9.4	22.5	+ 0.6	2.8	18.0	+ 1.3	75	+ 3	20.6	13.3	0.1	5	6.0	4.0
13	1012.3	+ 0.4	27.1	19.6	7.5	22.8	+ 0.9	2.9	18.2	+ 1.5	75	+ 3	20.9	16.3	0.5	30	6.3	5.0
14	1011.9	+ 0.1	26.9	18.2	8.7	22.4	+ 0.4	2.8	17.9	+ 1.1	76	+ 4	20.5	13.2	0.8	55	5.3	5.4
15	1013.5	+ 1.8	28.0	20.4	7.6	23.6	+ 1.6	3.4	18.3	+ 1.5	72	0	21.0	17.2	0.4	30	5.9	6.9
16	1014.9	+ 3.3	28.4	19.0	9.4	23.1	+ 1.0	3.3	17.8	+ 0.9	72	0	20.4	15.0	0.4	20	6.0	4.8
17	1014.3	+ 2.8	27.1	19.2	7.9	23.0	+ 0.9	3.6	17.2	+ 0.3	70	- 2	19.6	14.4	0.0	...	7.5	3.8
18	1013.8	+ 2.4	28.1	19.3	8.8	23.2	+ 1.0	3.8	17.1	+ 0.1	69	- 3	19.5	14.8	0.2	10	8.0	3.2
19	1013.0	+ 1.6	28.0	18.3	9.7	23.0	+ 0.8	3.7	17.1	+ 0.1	69	- 3	19.5	13.7	0.0	...	8.2	3.5
20	1012.4	+ 1.1	27.0	20.0	7.0	22.8	+ 0.5	3.0	18.1	+ 1.1	75	+ 3	20.8	16.4	1.2	30	7.3	5.3
21	1011.9	+ 0.6	28.1	19.[illegible]	8.4	23.5	+ 1.2	3.0	18.8	+ 1.7	75	+ 3	21.7	16.4	2.3	40	7.0	5.4
22	1010.6	- 0.6	29.0	21.6	7.4	24.6	+ 2.2	2.6	20.6	+ 3.4	78	+ 6	24.2	18.9	5.6	95	6.3	8.2
23	1009.5	- 1.6	29.3	22.0	7.3	24.8	+ 2.3	2.1	21.7	+ 4.3	83	+ 11	25.9	19.8	3.9	35	6.0	7.9
24	1009.0	- 2.1	28.1	20.4	7.7	23.7	+ 1.2	1.9	20.8	+ 3.4	84	+ 12	24.6	18.6	2.9	180	3.3	6.7
25	1010.0	- 1.0	29.8	18.7	11.1	24.0	+ 1.4	3.0	19.4	+ 2.1	76	+ 4	22.5	17.0	0.0	...	5.4	2.7
26	1012.0	+ 1.1	29.8	19.4	10.4	24.4	+ 1.8	3.1	19.7	+ 2.4	75	+ 3	23.0	15.7	0.0	...	7.3	5.8
27	1014.0	+ 3.2	26.2	20.0	6.2	22.8	+ 0.1	2.2	19.4	+ 2.0	81	+ 9	22.5	18.9	15.0	130	5.8	8.5
28	1014.1	+ 3.4	27.1	21.0	6.1	23.5	+ 0.8	3.1	18.7	+ 1.3	75	+ 3	21.6	19.6	0.6	45	5.6	7.0
29	1013.5	+ 2.8	27.0	21.0	6.0	23.5	+ 0.7	4.4	16.3	- 1.2	64	- 8	18.5	19.3	0.0	...	9.5	3.4
30	1012.3	+ 1.7	28.0	20.7	7.3	23.6	+ 0.8	3.8	17.6	+ 0.1	69	- 3	20.1	[illegible]	[illegible]	25	8.0	4.9
31	1011.7	+ 1.1	28.1	20.7	7.4	23.9	+ 1.0	4.1	17.4	- 0.1	67	- 5	19.9	18.1	0.0	...	8.4	3.5
Mean	1012.4	+ 0.7	27.5	18.9	8.6	22.8	+ 0.7	3.2	17.6	+ 0.7	72.6	+ 0.3	20.2	15.5	Sum 37.1	Sum 885	6.5	4.7
Average	1011.7	...	26.8	18.0	8.8	22.1	...	3.3	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, 1941

General anticyclonic conditions were experienced during the first 20 days of the month. Weather was of the seasonal dry type and generally slightly warmer than usual although with a few very cool nights in the beginning of the month.

With the development of an extratropical depression to the south of the Mascarenes onthe 21st warm or humid weather set in and the total rainfall for the month became normal or, over high ground, substantially exceeded the normal.

TABLE VII (Cont'd) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF OCTOBER, 1941

Month and Day 1941	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
OCT.	hrs	%	m.p.s.	m.p.s.	°C	°C	°C	°C	0h 3h 6h 9h 12h 15h 18h 21h 24h
1	6.8	56	5.3	+ 1.7	24.5	24.2	24.0	24.5	cdd bc b
2	11.5	94	4.0	+ 0.4	24.5	24.2	23.9	24.3	b bo
3	7.1	58	2.4	- 1.2	24.6	24.2	23.9	24.3	b bc c b
4	9.8	80	2.4	- 1.2	24.5	24.2	23.8	24.4	b bc b
5	8.9	72	2.4	- 1.2	24.7	24.2	23.8	24.4	b bc c bc b
6	11.7	95	3.7	+ 0.1	24.5	24.2	23.8	24.4	bc b bc b
7	11.4	93	5.3	+ 1.8	24.5	24.2	23.8	24.5	b bc b
8	10.9	89	3.7	+ 0.2	24.4	24.2	23.8	24.5	b bo
9	3.8	31	2.6	- 0.9	24.4	24.3	23.9	24.9	b c cro c bc bcro
10	8.1	65	3.4	- 0.1	24.5	24.2	23.9	24.8	b bc c bc b
11	10.9	88	3.6	+ 0.1	24.5	24.3	24.0	25.1	bc b
12	9.3	75	3.1	- 0.4	24.6	24.3	24.1	25.1	c bcro b bc cro bc b
13	8.1	65	3.1	- 0.4	24.4	24.3	24.2	25.5	bcro b bc bc b
14	2.6	21	2.3	- 1.2	24.4	24.2	24.3	25.2	b c bc cro c
15	7.6	61	2.5	- 1.0	24.5	24.2	24.3	25.5	o c bc bcro
16	11.4	91	3.0	- 0.4	24.4	24.2	24.3	25.3	cro bc b
17	10.7	86	3.1	- 0.3	24.4	24.3	24.4	25.5	b bc c bc b
18	11.7	94	3.4	0.0	24.5	24.4	24.5	25.6	bc b bro
19	11.5	91	3.1	- 0.3	24.4	24.5	24.6	25.8	bo b bc b bc
20	9.9	79	3.0	- 0.4	24.5	24.4	24.7	25.6	bcr bc c bc b
21	7.1	56	2.7	- 0.7	24.4	24.4	24.8	25.9	bro bcro c bcro
22	7.3	58	2.7	- 0.7	24.5	24.4	24.8	26.0	cr c bc bcR
23	6.8	54	1.8	- 1.6	24.5	24.4	25.0	26.4	bc cR c bc bcl
24	9.6	76	2.1	- 1.3	24.4	24.4	25.3	26.7	bcl bcro cro oro bcro bc b
25	12.0	95	2.0	- 1.4	24.4	24.4	25.3	26.4	bo b bc b
26	9.6	76	2.1	- 1.3	24.4	24.4	25.3	26.7	b bc c
27	6.6	52	4.9	+ 1.5	24.4	24.6	25.5	26.8	ctl oRR cro c cro
28	10.8	85	6.2	+ 2.8	24.4	24.5	25.5	26.4	cro bcro bc c bc
29	11.3	89	5.1	+ 1.7	24.4	24.6	25.4	26.4	b bc
30	7.5	59	4.4	+ 1.0	24.5	24.7	25.4	26.4	b cr bc b
31	11.7	92	4.6	+ 1.2	24.5	24.5	25.4	26.5	b bc b
Mean	8.98	71.8	3.33	-0.14	24.47	24.34	24.50	25.48	
Average	8.18	65.5	3.47	...	24.43	24.03	23.98	24.39	
Column	19	20	21	22	23	24	25	26	27

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF OCTOBER, 1941

Element	Highest	hrs	Date	Lowest	Date
Atmospheric Pressure	1016.0 mbs	at 09 & 10 hrs	on 16th	1007.4 mbs	at 15hrs on 24th
Temperature of the Air	29.8°C	at 12.15 & 12.00	on 25th & 26th	13.8°C	at 05.15" on 3rd
Daily Range of Temperature of Air	12.5°C		on 3rd	6.0°C	on 29th
Temperature of the Dew Point	22.4°C	at 13.00 hrs	on 24th	11.4°C	at 05.00 on 3rd
Minimum on grass				8.7°C	on 3rd
Relative Humidity	96.6 %	at 06.00 hrs	on 27th	45.5 %	at 11.00 on 7th
Vapour Pressure	27.1 mbs	at 13.00	on 24th	13.5 mbs	at 05 hrs on 3rd
Evaporation in 24hrs	15.2 mms	ending 03.00 hrs	on 28th		
Wind Velocity	8.9 mps	at 12 & 14 hrs	on 1st & 27th	0.6 mps	often
Rainfall in 24 hrs	15.2 mms	ending 03.00 hrs	on 28th		
Duration of Sunshine	12.0 hrs		on 25th	2.6 hrs	on 14th
Mean Day Temperature of Air	25.09°C	Mean Night Temperature of Air		20.53°C	

NUMBER OF DAYS OF

Mean Cloud Amount: 0	1 - 3	4 - 6	7 - 8	10	Rainfall: 0.1 - 0.9	1.0 - 4.9	5.0 - 9.9	10.0 - 24.9	25.0 & over	Lightning	Thunderstorm
...	11	14	6	...	9	6	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 tosea level).
(The cistern of the barometer is 55.2 metres above mean sea level)

OCTOBER, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day / Hour
Midnight	156	146	133	115	101	130	150	141	119	121	140	152	139	124	134	150	Midnight
1	150	140	127	110	097	125	148	140	112	118	134	150	135	120	131	149	1
2	147	136	121	103	094	120	143	130	109	112	131	145	130	114	129	146	2
3	146	131	117	097	091	116	142	128	101	109	130	140	126	110	124	144	3
4	145	131	116	097	090	115	141	124	100	109	130	139	125	110	128	146	4
5	145	133	119	101	091	119	143	126	100	110	132	140	129	113	130	150	5
6	149	140	121	106	093	121	148	128	104	111	139	144	130	117	133	151	6
7	151	142	126	110	100	126	151	130	111	116	141	149	131	121	140	159	7
8	156	147	130	113	103	131	156	131	115	123	146	151	132	128	141	160	8
9	158	147	131	113	106	138	158	131	117	127	147	151	133	131	141	160	9
10	153	144	130	111	104	140	155	130	114	126	147	150	130	130	139	156	10
11	152	140	123	106	101	139	147	128	110	122	145	147	127	137	152	127	11
Noon	141	131	119	099	100	132	139	120	108	117	143	138	122	124	130	149	Noon
13	134	125	111	091	099	128	132	112	100	114	138	130	113	116	125	140	13
14	130	119	105	088	096	123	126	109	097	110	131	122	110	108	120	134	14
15	128	113	100	081	092	120	123	101	090	110	130	121	107	100	121	130	15
16	129	111	100	081	091	120	121	101	091	111	131	121	106	100	123	132	16
17	134	114	103	082	092	123	126	105	097	117	134	122	109	100	130	136	17
18	140	120	107	090	101	130	130	110	105	122	140	126	112	110	135	142	18
19	148	127	112	100	110	137	139	112	111	131	148	130	117	119	143	150	19
20	152	131	119	102	116	142	142	118	115	138	151	136	121	126	149	153	20
21	156	138	121	105	123	149	146	121	120	142	153	141	127	130	150	159	21
22	155	138	121	107	130	150	147	121	121	145	157	140	130	132	154	159	22
23	151	136	119	105	131	150	147	121	123	144	157	140	128	135	154	156	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Day / Hour
Midnight	152	150	147	133	134	121	106	094	102	118	139	144	146	140	119	132	Midnight
1	149	141	142	130	116	100	090	100	109	131	140	140	140	130	111	127	1
2	141	133	138	124	121	111	098	099	093	103	130	138	131	122	108	122	2
3	140	130	131	120	114	109	091	082	091	100	130	131	131	121	106	119	3
4	140	129	130	117	113	110	090	081	090	098	131	134	130	120	107	118	4
5	141	131	131	116	115	110	090	084	092	109	135	136	130	122	110	120	5
6	148	139	133	120	117	112	095	090	096	114	140	137	136	128	117	124	6
7	150	142	140	122	125	118	102	091	100	124	146	142	140	131	122	129	7
8	151	144	142	129	130	120	107	095	100	126	150	147	140	137	129	133	8
9	153	146	143	136	131	110	097	121	100	130	150	151	143	139	131	135	9
10	151	142	140	136	129	120	106	097	099	125	149	151	143	136	130	133	10
11	145	141	135	130	123	113	101	096	098	123	144	150	140	130	127	129	11
Noon	141	138	128	122	119	103	099	095	098	121	141	148	133	126	120	124	Noon
13	138	130	121	118	112	098	090	089	093	118	138	141	129	120	112	118	13
14	130	125	115	113	110	090	087	081	091	113	130	131	121	112	109	112	14
15	127	121	110	111	105	084	080	074	090	111	129	129	120	110	103	109	15
16	125	121	109	110	104	086	080	075	090	111	128	129	119	110	103	109	16
17	127	127	111	111	109	090	081	081	095	112	131	130	120	111	106	112	17
18	131	132	113	119	112	094	084	083	100	120	139	134	130	114	113	117	18
19	140	142	120	123	118	099	091	094	106	126	142	142	136	120	120	124	19
20	147	149	131	131	121	106	099	100	111	130	150	145	141	123	122	130	20
21	151	153	140	139	127	109	100	101	114	137	152	149	146	124	130	134	21
22	153	155	141	140	127	111	099	103	120	140	152	150	148	123	131	135	22
23	151	151	140	136	125	110	099	108	120	140	150	148	146	122	130	135	23

TABLE IX - AMOUNT OF CLOUD AT EVERY HOUR OF THE DAY (0 = CLEAR SKY, 10 = OVERCAST SKY)

Hour \ Day	OCTOBER, 1941																															
	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	Mean
Midnight	3	3	0	2	1	2	1	3	0	4	1	3	2	1	8	2	1	5	0	7	1	9	7	6	0	2	8	9	7	3	2	3.3
1	8	3	0	3	1	3	1	3	1	3	7	3	5	1	10	9	1	5	0	9	1	9	7	6	0	1	8	9	2	1	1	3.9
2	10	3	0	3	1	3	2	2	2	2	10	1	5	1	10	9	1	5	0	8	1	9	7	6	0	2	8	9	2	1	1	4.0
3	10	2	1	3	1	6	2	3	3	2	10	0	6	0	10	5	1	5	0	4	1	9	7	6	0	2	8	9	2	1	1	3.9
4	10	3	1	2	1	6	2	3	3	3	9	1	6	1	10	4	1	5	0	4	1	9	8	5	0	2	8	7	2	9	1	4.1
5	7	2	1	3	1	2	1	4	10	4	5	1	3	3	9	4	1	6	2	4	1	9	9	8	0	3	10	7	2	7	1	4.2
6	8	5	1	2	1	1	1	2	9	6	2	1	1	4	8	4	1	6	2	5	4	9	9	9	1	4	10	8	3	3	1	4.4
7	7	3	1	2	1	1	1	2	9	8	2	0	1	7	8	5	1	5	2	6	4	9	9	9	9	1	4	10	7	3	1	4.4
8	7	3	1	1	3	2	2	2	9	7	3	2	2	9	7	6	4	4	3	7	6	9	10	9	6	2	7	4	2	5	9	4.9
9	7	2	2	1	5	3	4	2	9	7	4	4	4	10	5	8	7	3	4	9	8	10	10	9	3	6	7	5	2	7	6	5.6
10	7	2	2	2	5	4	5	2	10	6	4	4	5	8	4	6	7	3	5	6	7	10	9	10	4	6	9	6	3	6	5	5.6
11	7	3	3	3	5	4	4	2	9	5	5	4	7	8	4	6	8	3	5	6	8	9	10	10	5	6	9	7	3	5	4	5.7
Noon	6	3	5	5	4	5	3	2	8	4	5	5	8	8	4	5	7	3	5	6	8	8	8	10	6	7	9	6	3	5	5	5.7
13	6	3	3	5	5	2	4	2	9	5	6	5	8	7	6	5	7	3	5	6	8	8	8	9	5	5	9	5	2	7	6	5.6
14	5	3	7	4	4	2	4	2	9	6	7	7	8	7	6	5	7	3	5	6	8	8	7	7	4	6	8	5	3	7	5	5.6
15	5	3	7	5	5	2	5	3	6	6	7	9	8	9	7	5	8	4	4	6	7	8	7	5	4	9	7	5	4	7	5	5.9
16	6	1	8	5	6	1	3	2	7	4	6	8	7	5	7	6	6	3	4	5	7	8	7	6	4	8	8	6	5	6	5	5.5
17	6	1	8	5	8	1	3	1	8	2	5	8	7	1	7	7	3	2	3	5	8	7	7	7	4	8	8	8	6	6	5	5.3
18	8	1	8	5	9	1	2	1	8	2	4	9	7	1	7	7	3	2	3	4	8	7	7	8	4	8	8	9	4	6	4	5.3
19	8	1	9	3	7	1	3	1	8	1	6	9	6	1	7	4	3	3	1	3	8	7	6	6	9	7	8	8	9	3	4	5.2
20	4	1	9	2	8	1	2	0	5	1	4	5	4	9	5	2	3	1	5	2	5	6	10	6	3	8	8	7	6	2	4	4.5
21	3	1	1	2	4	1	2	0	3	1	4	3	4	8	4	1	3	1	8	2	4	7	9	2	3	9	8	7	4	2	4	3.7
22	3	0	1	1	3	1	1	0	4	1	3	2	3	8	9	1	3	1	7	2	3	7	9	1	3	9	9	7	5	2	3	3.5
23	3	0	1	1	3	1	3	0	3	1	3	2	3	8	7	1	3	1	6	2	9	7	4	0	2	9	9	7	5	2	3	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 1941																															
	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	Mean
	m	m	m	m	m	m	m	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	14	1	0	0	0	0	0	0.0
7	11	37	27	44	48	50	40	43	0	0	22	40	20	2	46	59	55	31	43	59	15	5	0	17	60	59	1	23	28	11	54	10.3
8	0	60	60	60	60	60	60	60	0	5	60	60	54	35	60	59	60	60	60	60	3	18	0	31	60	60	5	60	60	14	60	15.8
9	45	60	60	60	60	60	60	60	7	55	60	60	50	4	60	50	60	60	60	39	18	6	0	10	60	60	52	58	60	48	60	22.7
10	19	60	60	60	42	60	60	60	9	20	60	60	58	0	60	60	60	60	60	8	60	31	12	0	60	60	43	60	60	60	60	24.4
11	55	60	60	60	43	60	60	60	43	50	60	60	60	4	60	60	60	60	60	57	50	44	22	0	60	60	48	60	60	60	60	24.0
Noon	60	60	36	35	55	60	60	60	53	60	60	60	46	0	60	60	60	60	60	60	60	59	40	0	60	60	48	60	60	58	60	26.9
13	60	60	44	18	5	60	60	60	50	60	60	60	20	0	60	60	60	60	60	60	60	60	60	0	60	60	45	60	60	59	60	27.2
14	55	60	60	60	15	60	60	60	5	58	60	60	10	20	44	60	50	60	60	54	45	60	60	60	60	49	35	60	60	58	60	26.0
15	42	60	10	50	60	60	60	60	5	10	55	47	12	0	0	60	49	60	60	56	52	56	52	58	60	54	45	60	60	56	60	25.4
16	27	60	0	60	60	60	60	60	52	60	57	29	60	4	0	60	42	60	60	60	30	48	60	60	60	43	48	26	60	11	60	24.8
17	9	60	9	60	60	60	60	60	3	53	50	10	60	51	1	46	31	60	60	60	19	46	54	46	60	33	21	55	60	9	60	23.9
18	26	53	1	21	24	55	45	11	0	9	45	15	35	33	24	8	53	49	60	35	15	2	47	15	47	15	3	6	52	4	40	22.1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	1	14.8

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, 1941

Day / Hour	1		2		3		4		5		6		7		8		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	19.5	2.2	20.0	2.4	15.7	1.9	16.8	1.8	18.5	2.0	18.8	2.4	20.3	3.2	21.1	2.5	Mid-night
1	19.3	2.0	19.6	2.1	15.8	1.8	16.1	1.5	18.6	2.4	17.5	1.8	19.9	3.0	20.8	2.5	1
2	19.6	2.4	19.6	2.5	14.9	1.8	15.8	1.6	17.9	2.0	16.3	1.5	19.2	2.6	20.6	2.4	2
3	18.9	1.2	19.6	2.4	14.4	1.4	15.6	1.5	17.3	2.0	16.0	1.7	19.3	2.3	20.5	2.3	3
4	18.9	1.2	19.2	2.1	14.3	1.3	15.1	1.4	17.2	1.8	15.6	1.6	19.9	2.8	20.1	2.1	4
5	19.0	1.8	19.3	2.1	14.0	1.4	14.8	1.6	16.0	1.8	17.1	1.8	19.1	3.0	20.0	2.2	5
6	19.1	1.4	19.0	2.0	14.1	1.4	15.0	1.9	15.9	1.7	18.2	1.8	19.2	2.6	19.8	2.5	6
7	20.2	2.2	20.7	3.1	16.0	1.3	18.0	1.9	19.6	2.4	21.0	2.8	21.7	3.8	21.3	3.1	7
8	21.1	3.1	22.6	4.6	22.1	4.1	22.0	4.4	22.9	4.1	23.5	4.7	23.7	5.6	23.1	4.9	8
9	22.0	3.1	23.9	5.8	23.8	5.7	23.6	5.5	24.5	5.3	24.1	5.2	24.7	5.3	24.6	5.8	9
10	23.5	4.4	24.3	6.1	24.6	6.6	24.7	6.4	24.9	5.6	24.9	5.4	25.1	6.0	25.1	6.1	10
11	23.6	4.1	25.1	6.4	25.1	6.9	25.3	6.2	25.6	5.4	26.0	6.3	26.0	7.5	25.8	6.8	11
Noon	24.8	5.2	25.8	6.6	25.0	5.1	24.8	5.7	27.0	5.7	26.0	6.2	25.9	6.9	26.0	7.1	Noon
13	23.5	4.2	25.5	6.2	26.0	5.6	26.0	5.2	25.1	4.9	26.2	6.3	25.7	6.4	26.3	6.5	13
14	23.8	4.7	25.0	6.4	25.7	5.7	26.1	5.2	26.2	5.5	25.8	6.2	25.7	6.0	25.9	6.4	14
15	23.3	4.4	24.7	6.2	23.8	5.1	26.1	5.8	25.8	5.7	25.4	6.2	24.9	5.2	25.9	6.2	15
16	23.1	4.3	24.0	5.9	23.6	5.0	25.8	5.6	25.7	5.6	24.9	5.8	24.7	5.6	25.2	5.5	16
17	21.2	2.2	22.9	6.1	22.7	4.7	23.8	4.8	24.9	4.9	23.8	5.0	23.2	4.0	24.0	4.8	17
18	20.7	2.4	21.1	4.3	21.9	4.3	22.3	4.0	23.1	4.1	22.2	3.5	22.2	3.7	22.3	3.3	18
19	20.3	2.3	19.2	2.8	21.1	3.9	21.6	3.7	21.7	3.6	21.2	2.9	21.3	3.4	21.2	2.7	19
20	19.8	1.8	18.1	2.2	20.7	3.6	20.6	3.3	20.9	3.0	21.0	2.8	21.6	2.5	21.0	2.9	20
21	19.9	2.1	17.2	2.2	19.6	3.1	19.6	2.8	20.4	2.8	20.9	3.2	21.2	2.2	20.2	2.3	21
22	19.9	2.1	17.0	2.1	18.9	2.7	18.8	2.4	20.1	2.9	20.3	2.7	21.1	2.5	20.0	2.2	22
23	19.7	2.4	16.6	2.0	17.9	2.1	18.3	2.1	19.2	2.2	20.1	2.5	21.1	2.5	19.5	2.0	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	19.2	2.0	20.2	1.2	20.3	1.8	19.9	1.8	21.1	1.1	20.0	1.7	21.5	1.8	20.8	1.5	Mid-night
1	19.1	1.9	20.0	1.4	19.9	1.7	19.4	1.4	21.0	1.2	19.1	1.5	21.1	1.6	20.5	1.4	1
2	19.8	1.9	20.0	1.3	19.1	1.3	19.3	1.4	21.0	1.1	18.9	1.6	20.6	1.4	20.2	1.2	2
3	19.4	1.6	19.8	1.1	20.0	1.8	18.6	1.5	20.6	1.3	18.5	1.4	20.8	1.8	20.0	1.1	3
4	19.3	1.4	19.4	1.2	19.7	1.5	18.2	1.3	20.0	1.1	18.4	1.3	20.7	1.8	19.6	0.9	4
5	20.0	1.8	19.0	1.1	20.0	1.3	18.1	1.1	19.7	1.2	18.7	1.5	20.9	1.7	19.1	0.7	5
6	19.8	2.5	20.3	1.3	19.6	1.4	18.2	1.2	19.9	1.1	18.6	1.4	21.0	1.4	19.1	0.7	6
7	21.6	1.7	20.9	1.6	22.1	2.2	22.1	2.5	21.8	1.8	20.7	1.5	23.1	2.2	21.0	2.0	7
8	22.3	2.1	22.1	2.1	23.8	3.7	24.3	4.0	23.4	2.7	23.0	2.3	24.6	3.5	23.0	3.2	8
9	22.5	1.4	23.9	3.8	25.1	4.6	25.4	4.7	25.3	4.5	23.2	2.3	26.0	5.0	25.1	4.3	9
10	23.6	2.1	25.0	4.0	25.7	5.0	26.0	5.7	26.0	4.8	24.3	3.4	27.1	6.4	26.8	5.7	10
11	25.7	3.6	25.7	5.5	26.2	5.4	26.1	5.5	26.5	5.0	26.2	5.9	27.1	5.1	27.0	5.7	11
Noon	25.0	3.9	26.6	6.3	26.0	5.3	27.1	6.4	26.3	5.3	26.1	5.0	27.2	5.5	27.9	4.0	Noon
13	26.2	5.1	26.1	5.4	26.4	5.7	27.1	6.3	26.1	5.4	26.6	5.2	27.6	6.5	27.7	7.0	13
14	25.2	3.2	26.6	5.6	26.2	5.2	26.9	5.9	26.1	5.1	26.8	5.8	26.7	6.3	27.1	6.4	14
15	25.2	4.2	26.3	5.2	25.5	4.9	25.1	4.1	25.8	5.6	26.4	6.4	26.0	4.4	27.1	6.2	15
16	25.1	4.1	25.5	4.7	25.0	4.8	24.0	3.0	25.3	5.0	25.2	5.0	25.7	4.0	26.9	6.1	16
17	23.9	3.8	23.6	3.6	23.8	4.2	23.3	2.2	24.3	4.2	24.7	4.5	25.0	4.1	24.7	4.5	17
18	23.0	3.0	22.3	3.0	22.7	3.4	22.0	1.4	23.1	3.2	23.5	3.3	23.9	4.3	23.7	3.8	18
19	21.8	1.9	22.0	2.9	22.0	2.4	22.0	1.4	22.5	2.7	22.5	2.5	22.9	3.3	22.6	2.7	19
20	21.1	1.8	21.3	2.4	21.5	2.2	22.0	1.6	21.8	2.5	21.5	1.4	22.3	2.6	21.9	2.2	20
21	21.0	1.8	21.1	2.2	21.2	2.0	21.9	1.7	21.0	2.0	21.6	1.4	21.9	2.2	21.3	1.7	21
22	21.1	1.4	21.3	2.3	20.6	1.7	21.6	1.4	20.2	1.6	21.7	1.1	21.6	2.0	21.0	1.8	22
23	20.8	1.5	21.2	2.1	20.2	1.6	21.2	1.4	20.0	1.7	21.7	1.3	21.2	1.7	20.3	1.4	23

TABLE XI(C'd)- 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, 1941

Day / Hour	17		18		19		20		21		22		23		24		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	20.3	1.4	20.1	1.9	20.2	1.3	20.9	1.7	20.6	1.6	22.0	1.3	23.0	0.8	23.1	2.1	Mid-night
1	20.0	1.7	19.9	1.8	20.0	1.7	21.3	1.3	20.6	1.6	21.9	1.0	23.0	0.7	22.9	1.0	1
2	19.9	1.7	20.0	1.7	19.9	1.8	21.2	1.1	20.1	1.4	22.0	0.9	22.9	0.7	22.6	0.9	2
3	19.8	1.7	19.8	1.7	19.2	1.4	20.2	1.2	19.9	1.6	22.0	1.3	22.0	0.7	22.1	1.0	3
4	19.4	1.4	19.3	1.3	19.0	1.5	20.1	1.1	19.8	1.6	22.3	1.0	22.0	0.7	21.9	1.0	4
5	19.7	1.6	20.0	1.7	18.7	1.6	20.1	1.4	20.0	1.1	22.5	1.2	22.0	0.8	22.0	1.0	5
6	19.9	1.8	20.7	1.7	18.7	1.6	20.2	1.5	20.3	1.2	22.8	1.5	22.6	0.7	22.0	1.0	6
7	22.4	2.4	23.1	2.9	21.8	2.0	22.7	2.5	22.0	1.5	24.0	1.9	22.9	0.9	23.6	1.1	7
8	25.0	4.1	24.9	4.6	24.2	4.1	23.9	3.7	22.6	2.0	25.0	2.9	23.4	1.2	24.9	2.0	8
9	25.1	4.8	26.1	6.1	25.6	5.3	22.0	2.1	25.0	3.8	26.1	3.8	25.0	1.9	25.3	2.0	9
10	26.5	6.5	27.2	7.4	26.9	6.8	24.0	3.9	26.2	4.8	27.3	4.4	26.3	2.4	25.1	2.3	10
11	26.3	6.0	27.4	7.4	27.3	6.9	26.1	5.2	26.6	5.1	27.5	4.8	27.9	3.7	23.2	1.8	11
Noon	25.0	4.0	27.7	7.4	27.1	6.6	26.6	5.5	27.0	5.4	28.1	4.9	28.4	4.2	23.6	1.3	Noon
13	26.8	5.6	27.4	7.0	27.2	6.6	26.0	5.3	27.3	5.6	27.9	4.9	29.1	4.8	24.6	1.5	13
14	26.8	6.4	27.1	6.9	27.4	6.8	26.2	6.0	26.4	4.7	27.9	5.0	28.9	4.8	26.0	3.8	14
15	26.1	6.5	26.4	6.3	26.7	6.2	26.0	5.9	27.0	5.4	27.2	4.8	28.0	4.2	27.7	4.7	15
16	26.3	7.0	25.7	5.7	25.9	5.8	25.7	5.7	26.1	4.5	26.8	4.5	27.3	3.9	27.3	4.2	16
17	25.4	5.6	25.1	5.2	24.6	5.3	24.9	5.0	25.2	4.0	25.3	2.6	26.2	3.2	26.2	3.6	17
18	23.7	4.0	23.6	4.0	24.1	5.0	23.3	3.3	24.6	3.7	24.7	2.6	25.6	2.7	24.6	2.5	18
19	22.1	2.8	22.4	2.9	22.1	3.1	22.1	2.2	23.7	2.6	24.0	2.0	24.2	2.0	24.1	2.1	19
20	21.9	2.7	21.2	2.1	21.7	2.6	22.0	2.1	23.6	2.5	23.3	1.4	24.2	1.4	23.2	1.9	20
21	22.0	2.7	20.9	2.1	21.2	1.7	21.1	1.9	23.2	2.1	23.3	1.4	23.8	1.7	22.1	0.8	21
22	21.1	2.1	20.6	1.7	21.1	1.4	20.9	1.9	23.4	2.1	23.6	1.6	23.5	1.3	21.1	1.2	22
23	20.7	2.0	20.7	1.6	21.1	1.5	20.8	1.8	22.4	1.6	23.2	1.1	23.1	1.1	21.1	1.2	23

Day / Hour	25		26		27		28		29		30		31		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	20.4	1.3	20.5	1.4	22.0	1.6	21.4	1.0	21.9	2.0	21.2	2.5	22.1	2.4	20.4	1.7	Mid-night
1	19.9	1.6	20.3	1.2	22.0	2.7	21.1	1.3	21.7	2.0	21.1	2.2	21.8	2.5	20.2	1.7	1
2	19.8	1.5	19.9	1.6	22.0	2.3	21.1	1.1	21.6	2.1	21.1	2.4	21.9	2.6	19.7	1.5	2
3	19.8	1.6	19.6	1.4	21.7	2.4	21.4	1.3	21.4	2.2	21.0	2.5	21.8	2.6	19.7	1.6	3
4	19.0	1.5	20.1	1.1	21.3	2.0	21.5	1.3	21.2	2.1	21.0	2.1	21.2	2.2	19.5	1.5	4
5	19.0	1.7	20.0	1.0	20.7	1.2	21.7	1.6	21.1	2.1	21.0	1.9	21.0	2.1	19.5	1.5	5
6	19.8	1.7	20.2	1.0	20.3	0.4	21.8	1.7	21.0	2.3	21.0	1.8	21.0	2.3	19.7	1.6	6
7	23.0	1.6	23.0	1.3	21.5	0.8	22.9	2.6	23.1	3.9	22.2	2.7	23.9	3.9	21.7	2.1	7
8	25.2	3.3	26.1	3.1	22.7	1.6	24.2	3.3	24.6	5.1	23.2	3.3	25.1	5.1	23.6	3.5	8
9	26.9	4.7	27.0	4.1	24.7	3.2	24.9	3.6	25.8	6.5	24.8	4.7	26.4	6.3	24.8	4.4	9
10	27.0	4.5	27.8	4.3	25.2	3.5	26.0	4.5	26.1	6.6	26.2	5.4	27.0	6.2	25.7	5.1	10
11	28.1	5.1	29.1	5.4	25.9	4.1	26.3	5.0	26.7	7.2	27.0	6.4	27.0	6.1	26.3	5.5	11
Noon	29.2	5.2	29.8	5.8	25.5	3.9	26.6	5.1	26.6	7.1	27.2	6.7	27.2	6.3	26.5	5.5	Noon
13	29.1	5.2	29.1	5.8	24.2	2.4	26.7	5.5	26.6	7.0	27.2	6.7	27.0	6.3	26.6	5.6	13
14	28.8	5.2	29.1	6.1	25.8	3.7	26.3	5.3	26.7	7.1	26.7	6.2	27.1	6.4	26.5	5.6	14
15	28.4	5.1	28.9	5.7	24.7	3.3	25.1	4.4	26.1	6.5	26.2	6.1	26.8	5.9	26.1	5.4	15
16	27.8	4.8	27.7	4.6	23.3	2.2	25.3	4.7	25.8	6.5	25.6	5.5	26.7	6.0	25.6	5.0	16
17	27.2	4.3	27.1	3.5	22.9	2.1	24.1	3.0	24.3	5.2	24.9	4.9	25.1	4.8	24.5	4.3	17
18	25.9	3.4	24.0	3.0	22.2	1.6	23.1	3.1	23.2	4.2	23.9	3.7	23.8	4.3	23.2	3.4	18
19	24.7	2.5	23.2	2.5	22.0	1.7	22.7	2.7	22.0	3.8	23.0	3.0	23.0	3.7	22.3	2.7	19
20	23.2	1.9	23.0	2.2	22.0	1.8	22.2	2.6	21.9	3.0	22.7	2.8	22.6	3.5	21.8	2.4	20
21	22.1	1.5	23.0	2.2	21.9	1.4	22.2	2.6	21.7	3.2	22.6	2.5	22.3	3.3	21.4	2.3	21
22	21.3	1.6	23.0	2.3	21.9	1.3	22.1	2.2	21.3	3.2	22.5	2.5	21.7	2.7	21.1	2.0	22
23	20.9	1.6	22.3	1.7	22.0	1.7	22.0	2.2	21.2	2.8	22.2	2.4	21.6	2.5	20.8	1.9	23

TABLE XII - DIRECTION AND VELOCITY OF THE WIND AT EVERY HOUR OF THE DAY AS RECORDED BY THE ROBINSON CUP ANEMOMETER DURING THE MONTH OF OCTOBER, 1941

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

The velocities are given in metres per second, using the factor 2.2
(The days on which the Normal Trade Winds are interrupted are indicated by an asterisk *)

OCTOBER, 1941

Hour \ Day	1 Dir.	1 Vel.	2 Dir.	2 Vel.	3 Dir.	3 Vel.	4 Dir.	4 Vel.	5 Dir.	5 Vel.	6 Dir.	6 Vel.	7 Dir.	7 Vel.	8 Dir.	8 Vel.	9 Dir.	9 Vel.	10 Dir.	10 Vel.	11 Dir.	11 Vel.	12 Dir.	12 Vel.	13 Dir.	13 Vel.	14 Dir.	14 Vel.	15 Dir.	15 Vel.	16 Dir.	16 Vel.
Mid-night	12	3.8	12	3.0	11	2.0	13	2.0	13	1.8	13	2.6	11	3.5	12	3.7	11	2.5	10	2.3	12	1.7	11	2.1	08	1.5	10	2.1	11	1.4	11	2.3
1	13	3.5	11	2.8	11	2.2	13	2.2	13	2.6	13	1.8	11	3.2	11	3.3	11	2.0	10	2.6	12	1.4	11	1.6	08	2.0	10	2.0	12	1.3	11	2.5
2	13	4.1	12	3.3	11	1.8	13	2.5	13	2.6	13	1.0	11	3.0	10	4.1	11	2.3	10	2.1	12	1.9	11	1.9	08	2.0	10	1.7	12	1.0	12	2.9
3	10	4.1	12	3.7	11	2.0	13	2.6	13	2.4	13	0.8	11	3.0	13	3.2	12	2.0	10	2.3	12	2.0	11	1.7	08	1.8	10	1.8	12	2.0	12	1.9
4	11	4.1	11	2.9	11	1.6	13	2.3	13	2.6	13	1.3	11	3.4	11	2.9	12	1.8	10	2.0	11	2.2	11	2.2	08	1.8	10	2.0	12	1.8	12	1.5
5	12	4.4	09	3.7	11	1.8	13	2.3	13	2.2	13	2.3	11	3.5	10	3.4	12	1.5	11	1.5	11	3.0	11	2.0	08	1.9	10	2.2	12	1.7	12	2.4
6	11	3.8	11	2.9	11	2.1	13	2.5	13	2.4	14	2.1	11	3.8	11	3.6	12	1.8	11	2.1	12	3.0	11	2.1	08	2.0	10	1.9	12	2.1	12	2.3
7	11	4.4	12	4.1	11	1.4	13	1.8	13	1.4	13	2.3	11	4.1	10	4.2	12	1.8	11	2.3	11	3.5	11	2.1	08	2.3	10	1.7	12	2.2	12	2.0
8	11	6.3	10	5.3	11	2.0	11	2.2	13	2.1	11	5.0	10	6.4	09	5.8	09	2.8	10	3.0	12	4.3	11	3.5	09	3.9	04	3.1	10	3.5	11	3.2
9	13	6.1	11	6.0	11	3.0	10	2.8	11	2.0	12	4.7	10	7.3	09	5.6	05	2.5	11	4.1	11	5.1	10	4.4	09	4.5	d12	2.2	11	3.3	10	3.8
10	10	8.2	11	6.4	10	2.8	12	2.3	08	1.2	12	5.0	10	8.0	08	5.3	07	3.1	07	4.4	12	5.9	08	4.5	07	5.1	12	1.9	09	3.4	08	4.2
11	10	7.8	11	5.3	09	3.2	09	2.5	25	1.6	10	5.6	12	7.3	10	4.9	08	3.8	11	4.9	10	5.4	09	4.8	07	5.1	r03	1.9	04	4.4	09	4.1
Noon	11	8.7	12	5.6	r20	1.5	d17	2.0	26	2.6	13	5.2	12	7.9	09	4.4	10	4.3	08	4.4	10	5.4	10	4.4	07	5.3	31	1.6	07	4.3	08	4.4
13	10	8.6	12	5.4	22	3.5	22	2.5	23	2.4	13	5.6	12	7.4	08	4.5	10	3.2	11	4.2	09	6.0	05	4.8	05	5.2	r09	3.8	06	4.4	11	4.8
14	12	7.8	10	5.2	28	2.4	21	2.2	24	3.4	12	5.7	09	7.2	08	4.4	d18	2.2	11	4.5	09	5.9	09	4.3	09	4.7	06	3.6	11	2.9	10	4.4
15	10	7.4	13	5.7	r10	2.1	24	3.2	25	3.3	12	5.4	09	7.9	10	4.4	11	2.4	10	4.6	11	5.0	08	4.3	10	4.4	08	3.3	d19	1.8	11	4.7
16	11	7.2	11	5.6	12	2.9	21	2.8	24	3.0	11	5.9	10	8.1	10	4.4	09	4.0	12	4.9	09	4.7	09	4.3	06	4.4	09	4.0	18	1.1	12	4.6
17	11	5.8	13	5.2	12	3.6	r12	2.4	24	1.9	11	5.1	10	6.9	09	4.3	10	3.7	10	4.9	09	4.9	07	3.8	08	4.1	09	4.1	12	2.6	12	4.2
18	11	4.4	12	4.0	13	3.4	11	3.0	r14	1.7	12	4.3	10	5.9	12	2.6	11	2.3	11	5.0	10	3.8	09	3.8	08	3.2	12	2.7	12	2.4	12	3.3
19	12	4.5	12	2.5	12	2.9	13	2.8	14	2.5	12	3.3	10	4.3	12	2.5	11	2.1	11	3.5	11	2.2	08	2.7	08	1.8	10	1.9	12	2.4	12	1.9
20	12	3.8	12	2.1	12	2.9	13	2.3	13	2.3	11	3.2	10	3.8	11	2.5	11	2.1	11	3.3	11	2.2	09	2.5	08	2.0	12	2.2	11	2.5	12	1.7
21	11	2.9	12	1.9	12	2.3	13	2.3	13	3.4	12	4.7	11	3.6	12	2.1	11	1.9	11	3.6	11	2.1	08	3.0	08	1.5	12	1.2	11	2.5	12	1.7
22	11	3.0	11	2.2	13	2.1	13	2.3	13	3.5	12	3.4	10	4.1	12	2.4	10	3.0	11	2.7	11	2.2	08	2.1	10	1.8	12	1.1	11	2.4	12	1.8
23	11	3.1	11	1.7	13	2.1	13	1.6	13	3.3	10	2.9	13	3.5	13	1.8	10	2.4	12	1.8	11	2.1	08	1.5	10	2.5	12	1.4	12	1.7	12	1.8

Hour \ Day	17 Dir	17 Vel.	18 Dir.	18 Vel.	19 Dir.	19 Vel.	20 Dir.	20 Vel.	21 Dir.	21 Vel.	22 Dir.	22 Vel.	23 Dir.	23 Vel.	24 Dir.	24 Vel.	25 Dir.	25 Vel.	26 Dir.	26 Vel.	27 Dir.	27 Vel.	28 Dir.	28 Vel.	29 Dir.	29 Vel.	30 Dir.	30 Vel.	31 Dir.	31 Vel.	Mean Velo-city
Mid-night	12	1.8	12	1.2	11	2.0	11	2.1	11	2.8	09	1.8	02	1.2	28	0.6	08	0.7	17	1.4	13	1.8	12	5.9	11	6.2	11	3.8	09	3.8	2.4
1	12	1.8	13	1.8	11	2.6	06	1.4	11	2.5	08	1.8	02	1.1	28	0.6	08	0.5	16	1.4	13	2.2	11	5.0	10	4.9	11	3.2	10	3.9	2.3
2	12	2.0	12	1.8	11	1.5	05	0.7	11	3.0	08	2.5	02	0.6	28	0.6	08	1.0	12	1.1	14	2.2	12	4.8	12	5.3	10	3.9	09	3.8	2.3
3	12	2.1	12	2.0	10	3.0	08	1.5	11	1.9	08	1.6	02	1.0	28	1.2	11	1.7	12	1.6	14	2.2	11	4.7	12	4.7	10	2.9	09	3.9	2.4
4	11	1.5	12	2.2	11	1.6	11	2.0	11	2.1	08	1.7	07	1.0	28	0.9	12	1.1	12	1.5	14	2.6	12	4.6	12	4.8	10	2.6	09	3.4	2.2
5	11	2.4	12	2.6	11	2.0	11	2.0	11	1.8	08	1.8	07	0.9	28	0.7	12	1.8	13	1.8	12	2.0	10	4.6	10	3.8	10	2.7	10	2.4	2.4
6	11	1.7	12	2.2	11	1.9	11	2.7	11	1.8	08	1.8	r30	1.1	28	1.1	12	1.8	13	1.5	09	1.0	12	4.9	10	4.1	08	3.6	10	2.5	2.4
7	11	2.6	10	4.2	11	1.5	10	2.4	11	2.2	07	2.9	02	1.7	28	1.1	12	1.1	13	1.1	12	2.9	10	6.1	09	5.5	10	3.6	09	4.5	2.7
8	11	4.0	10	4.9	10	3.9	10	3.7	07	2.9	06	5.0	02	0.9	29	1.1	09	2.1	07	1.0	12	4.8	12	6.8	11	5.4	09	5.0	09	6.5	3.9
9	09	4.9	12	6.2	10	3.4	07	4.1	09	3.6	07	3.0	02	2.1	25	1.6	06	2.4	r29	1.8	12	6.9	09	6.8	10	6.8	09	5.0	11	6.3	4.3
10	11	5.0	11	5.8	10	4.2	06	3.8	06	3.9	06	4.4	31	3.4	25	2.1	06	2.7	28	2.0	11	6.1	10	7.9	11	7.2	10	6.6	08	6.3	4.6
11	08	4.5	08	4.8	12	3.8	06	4.2	09	3.5	06	4.1	01	4.2	r13	2.0	04	3.0	28	3.7	12	7.0	12	8.1	10	7.3	10	5.8	08	5.7	4.7
Noon	08	4.4	10	4.7	10	4.4	07	4.5	09	3.2	07	4.4	02	3.6	p27	1.4	02	3.6	24	3.4	12	7.9	10	8.1	10	6.4	09	5.4	09	5.8	4.6
13	12	4.5	11	4.9	10	4.4	07	4.9	08	4.2	07	3.7	27	3.7	21	1.9	31	4.5	26	3.8	12	6.8	12	8.5	09	6.1	08	5.1	09	5.7	4.8
14	08	4.9	12	5.1	09	5.2	07	5.1	08	3.7	08	4.3	29	3.8	21	1.7	27	3.6	24	3.0	13	8.7	11	8.1	10	6.0	08	5.3	10	5.2	4.7
15	08	4.4	11	4.9	10	5.0	08	4.7	04	3.4	06	3.7	26	3.1	d32	1.5	24	3.3	24	3.0	12	5.3	11	8.1	10	6.1	09	5.4	09	5.3	4.4
16	09	4.4	12	5.2	08	4.4	07	4.3	06	3.3	07	3.2	28	2.7	29	3.0	30	2.9	25	2.9	12	8.4	12	7.4	09	6.3	10	5.4	10	5.6	4.6
17	10	4.5	12	4.4	11	4.3	07	4.4	07	2.5	06	3.2	29	2.1	25	1.5	23	2.1	24	3.1	12	7.4	12	6.9	09	6.5	10	5.1	09	6.3	4.3
18	10	3.6	11	3.8	10	3.0	10	3.0	07	2.9	06	2.1	28	1.3	r12	1.2	24	1.6	r11	1.9	12	5.4	12	5.5	11	4.9	11	4.7	09	5.1	3.4
19	10	2.3	11	1.8	11	2.1	10	2.1	08	2.3	06	1.6	28	0.8	12	0.6	24	0.9	11	1.8	12	4.9	12	6.2	11	3.1	10	3.5	09	3.6	2.6
20	11	2.1	11	2.0	11	2.0	10	2.9	08	2.2	06	1.2	28	0.5	12	0.6	24	0.7	11	2.1	12	5.2	12	5.8	11	3.1	10	4.2	09	3.6	2.6
21	12	3.1	11	1.7	12	2.5	11	1.9	08	2.0	06	1.8	28	0.6	12	0.6	24	1.1	12	2.8	12	4.5	12	5.0	11	3.5	10	3.5	09	3.4	2.5
22	12	1.8	11	2.0	12	2.8	11	2.1	09	1.1	06	1.5	28	0.7	12	1.6	17	1.3	13	1.7	12	5.2	10	3.4	10	3.2	09	4.6	10	3.5	2.5
23	12	1.5	11	2.2	12	2.0	11	1.9	09	2.8	04	1.8	28	1.0	13	1.4	17	1.5	13	1.4	12	4.7	11	5.7	11	2.3	10	4.0	10	3.9	2.4

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS), OCTOBER, 1941

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.
3	-	-	31	-	1	-	-	4	5	19	1	-	-	-	-	-	-	-
9	-	8	23	-	1	1	1	8	6	12	-	-	-	-	1	-	1	-
15	-	7	24	1	-	1	1	7	7	8	-	-	-	-	5	-	1	-
21	-	-	31	-	-	-	1	4	1	23	-	-	-	-	1	-	1	-
Totals	-	-	-	1	2	2	3	23	19	62	1	-	-	-	7	-	4	-

TABLE XIVa - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY FOR OCTOBER, 1941

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	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
1	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	0.1	0.1	0.2	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.4	..	..	..	1.1	..	0.6	..	..	..	..	..	..	..	..	..
3	0.2	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	0.2	..	..	..
4	0.9	..	..	..	..	..	..	..	..	..	0.1	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	1.2	0.4	..	0.2	..
6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	3.9	..	..	..	11.2	..	..	0.8	..
7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.8	..	..	0.1	..	..	2.3	..	..	..	..
8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..
9	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	2.0	..	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	0.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	0.1	..	..	0.2	..	..	..	1.1	..	..	..	..	..	..	..	..	..
24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.1	3.6	..	..	..	..	..	..	..	..	..

TABLE XIVb - RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS, FOR OCTOBER, 1941

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	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
1	0.1	..	..	..	..	..	..	..	..	0.6	..	..	0.2	..	..	..	..	..	..	..	..	0.1	2.2	..	..	..	1.1	1.8	..	0.1	0.1
2	0.8	..	..	..	..	..	..	..	..	0.8	..	..	..	..	..	..	..	0.1	..	..	..	..	0.1	..	..	..	1.7	0.4	..	0.1	1.8
3	0.5	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	0.5	..	..	..	15.4	0.9	..	..	0.2
4	0.5	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.4	..	..	..	7.3	2.7	..	0.1	..	0.1
5	1.2	0.1	..	..	..	..	..	..	..	0.1	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.3	2.3	..	0.1	..
6	1.3	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.6	0.7	..	0.1	0.2
7	0.4	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	0.1	..	..	..	..	..	1.0	..	..	0.8	0.3	0.2	..	0.4
8	0.1	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.5	..	..	0.2	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.8	..	..	13.5	..	..	0.3	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	0.3	..	..	5.9	..	..	0.2	..	..	..	..
11	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.3	..	..	0.2	..	..	..	..
12	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..
14	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..
16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..
17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.5	..	..	..	..
18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.7	..	..	..	..
19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.7	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.6	..	..	..	..
21	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	1.5	..	..	..	..
22	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.4	..	..	0.3	..
23	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.8	..	..	0.1	..
24	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	3.7	..	..	..	0.8	0.9	..	..	..	..

TABLE XV - TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR OCTOBER, 1941

RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall Millimetres		Normal in Inches	Number of days
1	Mare Seche	20	1.50	38.1	2.16	7
	St Antoine	50	2.97	75.4	1.48	7
	Bel Mont	50	2.72	69.1	1.68	4
	Poudre d'Or	20	1.63	41.4	1.74	4
	Mon Loisir S.E.	300	4.58	116.3	2.28	10
	Forbach	300	2.79	70.9	2.06	6
	Couroupa	...	2.53	64.3	1.86	11
	Labourdonnais	290	1.59	40.5	2.01	6
	Mapou Water Works Office	...	1.20	30.5	...	3
	Beau Sejour	300	4.07	103.4	2.49	7
	Mont Piton	650	2.73	69.3	2.52	6
	Mon Choix	700	2.32	58.9	2.27	7
	Antoinette	640	4.39	111.5	2.33	9
	Mon Songe	620	3.33	84.6	2.53	8
	Botanical Gardens	325	1.77	45.0	2.09	20
	The Observatory4	179	1.46	37.1	1.67	17
	Solitude	175	...	...	1.18	..
	St Andre (Cour)	90	...	...	1.43	..
	La Nicoliere	...	3.45	87.6	2.07	13
	California	...	3.72	94.5	...	8
	Australia	...	3.64	92.5	...	10
2 & 3	Union Regnard (Flacq S.E.)	600	3.38	85.9	2.39	10
	Constance la Gaiete	100	3.26	82.8	2.21	8
	Rich Fund	600	6.60	167.6	2.64	9
	La Joffrette	...	6.08	154.4	...	7
	Belle Vue (Allendy)	...	2.72	69.1	2.70	7
4	Sans Souci	900	13.70	348.0	5.51	14
	Beau Champ (G.R.S.E.)	20	...	...	2.32	..
	Olivia	400	...	...	4.13	..
	Trois Ilots	...	...	...	...	..
	Belle Rive	400	...	...	5.11	..
	Sebastopol	700	...	...	...	..
	Bonne Veine	400	9.00	228.6	5.05	18
5	Rose Belle	850	...	...	6.19	..
	New Grove	650	4.62	117.3	6.36	13
	Mon Tresor	...	8.87	225.3	...	10
	Mon Desert (Carie)	75	4.11	104.4	2.80	13
	Ferney	20	2.60	66.0	3.50	7
	Sauveterre	...	2.55	64.8	...	9
6	Tivoli	1300	14.90	380.7	5.69	13
	La Flora	1050	11.88	301.8	5.28	14
	Riche Bois (Britannia)	650	5.20	132.1	4.08	11
	Britannia (Estate)	700	7.58	192.5	4.35	12
	Savannah (Mill)	200	2.24	56.9	2.79	12
	St Aubin	300	1.73	43.9	2.75	11
	St Avold	900	9.97	253.2	4.33	13
	Colmar	400	7.25	184.2	3.35	12
	Union S.E.	...	2.97	75.4	2.31	8
	Fontenelle	320	2.60	66.0	2.92	7
	Choisy	200	3.98	101.1	2.30	4
	Beau Bois	...	9.48	240.8	...	10
	Bel Air	...	2.42	61.5	2.53	3
	St Felix	...	3.25	82.3	...	5
7, 8, 9 & 10	Bel Ombre	40	2.58	65.5	2.22	12
	Beau du Champ (B. du Cap)	70	2.87	72.9	2.15	11
	Frederica	...	4.11	104.4	2.76	9
	Pierrefonds	...	2.53	64.3	1.83	8
	Ste Marie	...	3.37	85.6	...	11
	Hussonia	...	...	...	...	..
11	Curepipe Gardens	1840	7.72	196.0	4.64	17
	Mare aux Vacoas (G.E.)	1850	9.83	249.7	5.87	16
	Mare-aux-Vacoas (Arnaud)	1830	12.99	329.9	5.79	21
	La Marie Filter Works	1700	5.52	140.2	3.60	14
	Sophie	...	...	...	...	..
	Reunion	1420	4.07	103.4	2.97	7
	Aerological Station	1393	3.55	90.2	2.65	19
	Phoenix	...	3.21	81.5	...	4
	Quatre Bornes	...	2.02	51.3	...	4
12	Quatre Bornes (Board)	1090	1.62	41.1	1.57	-
	Le Reduit (D. of A.)	1000	1.57	39.9	1.75	22
	Alma	1460	6.09	154.7	4.68	13
	Bagatelle	1250	3.95	100.3	2.05	6
	Highlands	1300	4.88	124.0	3.21	8
	Trianon	950	1.80	45.7	1.86	4
	Val Ory	1100	...	...	2.04	..
	Bassin	...	2.42	66.5	2.00	6
	Hermitage	1450	5.25	133.4	3.66	7
	Ebene	...	1.70	43.2	...	8
	Bega	...	1.45	36.8	...	7
	Mon Reve	...	2.24	56.9	...	8
	Mont Pevril	...	1.67	42.4	...	7
	Minissy	1150	2.52	64.0	2.15	8
	Plaisance	...	2.06	52.3	1.20	5
	La Ferme	350	2.06	52.3	1.20	5
	Line Barracks	...	.69	17.4	...	10
	Tobacco Research Stn Richelieu	...	.50	12.8	...	4

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE AEROLOGICAL STATION, VACOAS, 424.5 METRES ABOVE SEA LEVEL, DURING THE MONTH OF OCTOBER, 1941

Type / Day	Time	St & Fs	Cumulus Cu.St. & c.	Alto. Cu. Alto. St.	Cirro Cumulus	Cirro Stratus	Cirrus	Time	St. & Fs.	Cumulus Cu. St. & c.	Alto. Cu. Alto. St.	Cirro Cumulus	Cirro Stratus	Cirrus
		0	0	0	0	0	0		0	0	0	0	0	
1														
2														
3														
4														
5														
6														
7														
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31														

MAURITIUS

ROYAL ALFRED OBSERVATORY

LATITUDE 20°51'39"S., LONGITUDE 3h50m 12.6"

RESULTS OF MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

NOVEMBER, 1941

N.R. Mc CURDY, B.Sc. F.R. MET. SOC.

DIRECTOR

PUBLISHED IN 1965 BY

E.G. DAVY, O.B.E., B.Sc., F.S.S.

DIRECTOR OF METEOROLOGICAL SERVICES, MAURITIUS

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THE DIRECTOR, EAST AFRICAN METEOROLOGICAL SERVICE

TABLE I - RESULTS OF MAGNETICAL OBSERVATIONS MADE DURING THE MONTH OF NOVEMBER, 1941

Month and Day 1941	Mean Declination (West)	Mean Horizontal Force (C.G.S.) Units	Mean Vertical Force (C.G.S.) Units	Daily Range + Declination	Daily Range + Horizontal Force (Unit 1 γ)	Daily Range + Vertical Force (Unit 1 γ)	H.R.H. 10,000	Z.R.Z. 10,000
NOV.								
1	14° 12'.4	.22347	.29948	14.0	128	38	286	114
2	13.7	392	948	8.0	47	24	105	72
3	13.9	406	941	7.0	48	27	108	81
4	13.1	413	943	6.8	27	24	61	72
5	13.4	415	940	7.0	41	26	92	78
6	13.3	387	941	9.3	76	29	170	87
7	13.6	354	939	9.2	33	32	74	96
8	13.5	411	941	7.5	45	12	101	36
9	13.5	418	940	9,5	86	21	193	63
10	14.1	412	940	7.5	88	19	197	57
11	13.5	414	941	8.0	48	20	108	60
12	14.5	416	940	7.7	24	22	54	66
13	14.1	419	940	8.0	27	30	61	90
14	13.6	429	935	6.5	45	25	101	75
15	13.7	428	937	7.5	18	22	40	66
16	14.7	440	934	8.5	31	30	69	90
17	13.9	417	937	12.2	94	42	211	125
18	14.4	400	950	11.0	51	16	114	48
19	13.5	421	941	10.8	47	20	105	60
20	14.1	414	935	9.3	20	34	45	101
21	14.7	419	938	11.0	31	25	69	75
22	14.5	414	934	13.0	25	48	56	143
23	13.6	406	939	9.0	40	30	90	90
24	14.1	417	938	10.0	31	20	69	60
25	13.8	430	932	10.0	24	31	54	93
26	14.2	426	937	7.3	25	16	56	48
27	13.7	434	935	10.6	33	17	74	51
28	13.5	381	949	9.5	29	27	65	81
29	14.8	375	953	8.0	45	23	101	69
30	14.7	407	948	7.0	15	20	34	60
Mean	14° 13'.87	.22409	.29940	9.02	44.1	25.7	98.8	76.9

T = .37397 ; Mean Dip = 53° 11'.18 ; X = .21721 ; Y = -.05509 ; Z = .29940

+ = The daily range is the difference between the greatest and least hourly values

Description of the Principal Magnetic Disturbances

Horizontal Force : 1st very disturbed: continuation and culmination between 18h and 20h of the storm which gradually commenced during the second half of October 31st. During the 1st half of 1st two sharp important posttive waves (40γ - 50γ) on minor irregular fluctuations gradual and sustained decrease in force takes place from 6h onwards to 18h. At 18h a sharp and exceedingly deep positive wave (75 γ) sets in and recovery is attained at 20h. After 20h 15m the storm ends with gradual return to normal force values. 4th and 5th slightly disturbed. 5th second half : gradual commencement of a very moderate storm, ending during first hours of 7th. Storm intensity culminates during second half of 6th. Major irregular fluctuations (35γ - 40γ) between 17h and 23h on 6th. 7th and 8th slightly disturbed, 9th second half : slightly disturbed. 10th second half : moderately disturbed - large fluctuations inforce, but slow and gradual. 11th slightly disturbed. 13th small positive bay (20 γ) between 1h and 2h. 17th moderately disturbed: small sharp positive wave (20 γ) between 4h and 5h; with mainly minor irregular features during first half. From 12h disturbance gradually increases and culminates in intensity between 18h and 21h. Large irregular features and a succession of bays (25 γ) between 17th 18h and 18th 2h. 18th second half and 19th slightly disturbed. 23rd small bay (25 γ) between 0h and 2h. 25th slightly disturbed. 27th sudden commencement at 7h 35m of a long period of slightly to moderately disturbed trace. 28th force decreases gradually until14h (137 γ) after a sudden commencement at 4h 15m. Between 22h and 24h on 28th large abrupt oscillation (±40 γ). 29th 1h to 2h small bay (33 γ).

TABLE II - RESULTS OF ABSOLUTE DETERMINATIONS OF THE MAGNETIC ELEMENTS DURING THE MONTH OF NOVEMBER, 1941

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.	° '	
4.14.47	14. 08.2	5. 9.34	.22425	4.14.37	53.10.06	.29932
18.12.46	14. 07.7	10.11.05	.22440	18.13.02	53.10.62	.29941
21.14.31	14. 09.7	17. 9.46	.22440	21.14.42	53.10.75	.29944
28.14.39	14.13.2	22. 9.48	.22430	28.14.55	53.18.87	.29963
		26. 9.35	.22426			
		29.10.00	.22394			

TABLE III - MAGNETIC DECLINATION (WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

NOVEMBER, 1941

13° +

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	20.5	14.0	14.0	13.5	13.0	13.5	14.3	14.5	14.3	14.3	15.0	15.0	14.0	14.3	14.5	14.3	Midnight
1	13.0	14.3	14.0	13.5	13.0	13.5	14.7	14.7	14.0	14.2	14.5	14.5	14.0	14.3	14.7	14.7	1
2	15.0	14.3	14.5	13.0	13.5	14.0	13.5	14.5	14.0	14.0	14.0	13.7	13.0	14.5	15.0	14.7	2
3	15.0	14.5	14.7	13.0	13.5	14.5	13.0	15.0	14.3	14.3	14.3	14.3	14.3	14.5	15.0	15.0	3
4	16.0	14.7	15.5	14.0	13.5	14.0	14.5	15.5	14.5	14.5	12.5	14.5	14.5	15.0	15.0	15.5	4
5	13.0	15.0	15.0	13.7	13.7	15.0	14.3	16.5	14.5	15.0	14.0	15.5	15.3	15.0	15.5	16.0	5
6	11.0	16.0	16.0	13.0	14.5	15.5	15.7	16.0	16.0	15.5	15.0	16.0	16.0	16.0	16.5	18.0	6
7	08.0	17.5	16.5	14.3	16.0	17.0	17.0	14.7	17.0	16.0	17.0	17.5	18.0	16.5	17.5	20.5	7
8	06.5	13.5	16.5	14.5	16.5	16.5	17.5	13.5	17.0	17.0	16.0	18.0	18.3	16.0	16.0	20.5	8
9	09.0	17.0	16.5	14.0	16.0	15.5	17.0	13.5	17.5	17.0	15.0	18.0	17.0	15.0	15.0	18.5	9
10	09.0	16.0	15.0	14.0	14.5	14.3	16.5	13.0	15.0	16.0	14.0	16.0	15.5	13.5	13.5	16.0	10
11	07.0	13.5	14.5	13.7	13.0	14.5	15.0	13.5	13.0	13.5	13.0	13.0	14.0	12.5	12.5	14.0	11
Noon	07.5	12.0	12.5	12.5	10.5	10.0	11.5	12.5	11.0	13.0	11.0	12.3	10.7	12.0	13.0	13.0	Noon
13	07.0	13.0	10.5	10.0	09.5	08.5	09.0	10.0	09.0	10.0	09.7	10.3	11.0	10.0	10.5	12.0	13
14	07.5	09.5	09.5	07.7	09.5	07.7	08.5	09.0	08.5	09.5	09.0	10.5	10.3	10.0	10.0	12.0	14
15	10.5	09.7	1013	09.0	10.0	09.0	09.0	09.0	08.0	10.0	10.0	12.0	11.0	11.0	10.3	12.0	15
16	12.5	10.5	12.0	11.0	12.0	09.0	10.5	10.5	09.5	10.7	11.0	16.7	12.3	12.0	11.5	12.0	16
17	14.5	12.5	13.0	13.5	13.0	12.0	12.0	12.3	12.0	12.0	12.5	14.0	13.7	13.7	12.7	12.3	17
18	18.0	13.0	13.5	14.5	14.0	13.5	13.0	14.7	14.0	15.0	12.7	14.5	14.0	14.3	13.0	12.7	18
19	16.5	13.3	14.3	14.3	14.5	13.0	13.5	14.0	15.0	15.3	13.3	14.0	13.0	14.0	13.5	13.7	19
20	17.5	13.5	14.3	14.3	14.5	16.0	13.7	13.5	14.0	14.3	12.5	14.3	13.7	14.0	13.5	14.0	20
21	17.0	13.3	13.7	14.5	15.0	15.0	14.5	13.0	13.5	16.0	15.0	14.5	14.5	13.7	13.5	14.0	21
22	15.0	13.5	13.5	14.5	15.0	13.0	14.3	15.0	14.0	16.3	15.5	14.7	14.5	13.5	14.0	14.0	22
23	14.5	14.0	13.5	14.5	14.0	14.0	14.0	14.7	14.0	15.7	15.0	15.0	14.7	13.5	14.0	14.0	23

13° +

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean	Hour \ Day
Midnight	13.5	15.0	15.5	14.5	14.3	14.0	14.3	14.0	14.7	15.0	14.5	14.0	16.5	14.3	14.6	Midnight
1	14.0	15.0	14.5	14.5	14.0	13.5	13.5	14.3	14.7	15.5	14.5	14.0	15.0	14.3	14.2	1
2	14.5	15.3	15.0	15.5	13.7	14.0	14.0	14.5	14.5	15.0	14.5	13.5	13.5	14.0	14.2	2
3	15.0	15.5	15.5	15.5	14.5	14.3	14.0	14.0	14.7	15.0	14.7	13.0	14.0	14.5	14.4	3
4	14.7	15.7	16.0	16.0	14.5	15.0	14.0	14.5	15.0	15.0	15.0	13.5	14.5	14.3	14.7	4
5	16.0	15.7	16.0	16.0	16.0	15.7	14.0	15.0	15.5	15.3	15.0	14.0	15.5	15.0	15.1	5
6	18.5	16.0	17.0	17.0	16.5	16.5	14.0	15.5	16.5	15.0	15.5	14.0	17.0	15.7	15.7	6
7	19.7	19.5	17.5	19.0	21.0	15.5	15.5	16.5	18.5	16.0	16.5	16.0	18.5	17.5	16.9	7
8	19.5	17.5	18.3	18.0	20.5	21.0	17.5	18.0	17.5	17.0	17.0	13.5	19.0	18.0	16.9	8
9	17.0	15.0	15.0	16.5	19.5	21.0	17.0	18.5	16.5	17.3	18.3	10.0	18.0	18.0	16.3	9
10	14.0	14.5	13.0	14.3	17.0	20.3	17.0	18.0	15.5	16.5	17.0	10.0	16.5	15.0	15.0	10
11	10.0	11.5	10.0	12.3	15.0	17.0	15.5	14.5	14.5	16.0	15.0	11.0	15.0	13.0	13.4	11
Noon	08.5	10.0	08.0	10.3	12.0	13.0	11.5	12.0	11.0	14.3	14.0	11.0	13.0	12.0	11.5	Noon
13	07.5	08.5	07.5	09.7	10.3	10.0	10.0	10.0	10.0	12.0	14.0	12.5	12.0	11.0	10.2	13
14	09.5	09.7	08.5	09.7	10.0	08.0	09.0	09.0	09.5	10.5	10.7	13.5	11.0	11.5	09.6	14
15	09.0	10.5	10.7	10.3	10.7	08.5	08.5	08.5	08.5	10.0	09.0	13.7	12.5	12.5	10.1	15
16	09.7	13.0	13.0	12.0	12.5	09.7	10.0	09.7	10.0	07.7	12.3	13.5	14.7	10.0	11.4	16
17	11.5	13.5	14.0	13.5	14.0	12.0	12.5	12.5	11.0	12.0	09.0	13.0	14.3	16.0	12.8	17
18	15.0	14.0	13.5	14.5	15.5	14.0	12.7	14.5	12.7	13.5	10.5	12.7	14.5	16.0	13.9	18
19	17.0	14.0	13.5	14.0	14.5	14.7	14.0	14.5	13.5	13.5	12.3	12.3	14.0	15.0	14.1	19
20	15.0	16.0	13.0	13.5	14.5	15.5	14.0	14.7	12.7	13.5	12.7	14.0	14.5	15.0	14.2	20
21	15.0	15.0	13.0	13.5	14.3	15.0	14.0	14.5	14.0	14.3	13.5	14.5	14.3	15.0	14.4	21
22	15.5	16.0	13.5	14.0	14.0	15.5	14.5	15.0	14.5	14.5	14.0	19.5	14.3	14.7	14.7	22
23	14.3	19.0	14.0	14.3	14.0	14.5	14.7	15.0	15.0	14.5	14.3	16.5	14.3	14.5	14.6	23

TABLE IV - MAGNETIC HORIZONTAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

NOVEMBER, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Day / Hour
Midnight	370	363	400	406	412	402	340	419	404	410	389	407	412	412	426	441	Midnight
1	415	367	402	409	410	345	415	410	407	417	397	413	415	417	424	435	1
2	400	372	400	411	408	401	355	419	450	413	405	409	424	421	424	443	2
3	395	375	400	415	415	397	352	415	453	415	405	407	417	421	430	445	3
4	391	376	397	415	416	399	349	417	456	419	435	407	414	420	425	447	4
5	383	377	393	409	417	400	350	423	455	417	425	407	413	419	422	441	5
6	405	379	397	403	419	400	345	407	410	416	417	413	410	423	423	437	6
7	395	380	400	407	420	399	343	410	414	423	427	415	411	430	423	440	7
8	390	382	404	412	426	400	343	413	423	439	425	420	413	439	427	443	8
9	355	391	410	415	427	416	347	430	433	440	433	423	415	447	430	449	9
10	330	400	413	419	430	413	355	437	439	445	437	425	420	450	433	455	10
11	330	407	425	420	427	405	362	427	440	440	431	427	435	457	437	457	11
Noon	320	410	433	423	429	391	370	423	447	440	427	440	429	437	436	456	Noon
13	321	407	433	430	425	384	367	413	440	425	415	427	433	447	433	453	13
14	317	405	429	427	422	375	358	405	427	423	403	423	433	440	430	441	14
15	320	401	420	419	421	365	347	400	405	433	410	420	420	429	421	430	15
16	305	398	414	416	420	345	339	399	390	432	410	418	423	424	419	426	16
17	295	396	405	409	417	340	337	400	383	395	402	417	423	420	425	427	17
18	287	397	400	407	412	375	348	392	385	357	403	417	421	416	427	430	18
19	325	400	385	407	403	365	351	395	370	370	405	413	421	419	426	430	19
20	287	398	387	407	400	380	351	400	387	389	411	412	419	420	429	429	20
21	300	400	397	406	402	375	365	400	400	387	410	405	415	417	428	427	21
22	340	405	403	407	389	402	362	407	406	379	413	409	412	425	433	437	22
23	357	403	405	409	395	385	370	410	409	380	400	407	409	425	434	438	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean		Day / Hour
Midnight	447	390	393	422	425	417	409	410	420	430	425	437	350	405	406		Midnight
1	440	415	402	412	421	421	433	412	433	430	427	432	350	402	411		1
2	453	395	407	402	425	423	410	419	427	429	427	431	373	407	413		2
3	443	400	425	407	423	421	413	419	427	439	427	439	372	403	414		3
4	447	400	429	405	420	417	415	421	430	425	427	434	370	407	414		4
5	445	407	415	411	417	419	412	413	431	429	428	435	373	409	413		5
6	453	405	430	410	415	423	410	414	431	430	427	417	380	412	412		6
7	442	403	423	410	413	424	397	409	439	427	427	413	382	413	412		7
8	445	405	430	410	417	419	399	405	431	427	452	405	381	410	415		8
9	445	411	427	411	431	417	400	436	400	423	453	405	387	410	417		9
10	443	419	439	415	438	421	400	410	440	425	445	389	343	413	418		10
11	430	426	433	418	433	421	403	426	441	433	446	345	345	412	418		11
Noon	429	420	440	420	430	413	397	431	435	449	337	380	431	407	418		Noon
13	415	419	437	413	427	412	402	427	433	437	440	317	370	408	414		13
14	420	407	423	411	420	409	410	423	435	432	431	310	370	407	409		14
15	413	400	427	411	417	409	411	423	432	427	425	320	367	406	405		13
16	395	395	422	412	410	417	405	422	427	420	429	339	365	402	401		16
17	370	387	405	417	411	413	393	421	425	412	429	345	375	401	396		17
18	365	379	413	413	410	410	393	417	421	420	420	367	381	403	396		18
19	387	380	418	419	407	405	397	415	430	420	431	375	387	405	399		19
20	360	395	415	420	409	411	405	418	430	419	435	385	391	400	400		20
21	359	387	413	420	411	403	408	419	427	421	440	373	392	409	400		21
22	395	375	412	419	411	399	409	417	425	422	437	359	397	409	404		22
23	385	379	415	417	415	402	409	416	417	421	435	370	398	410	404		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, 1941

29000 + (C.G.S. UNIT)

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	953	951	945	941	941	941	946	941	943	943	946	943	943	942	939	939	Midnight
1	940	951	943	940	940	939	947	941	941	941	945	941	943	941	940	938	1
2	944	951	945	940	940	941	944	940	941	941	943	942	941	941	941	939	2
3	945	951	946	940	940	941	943	941	941	941	943	943	943	941	951	939	3
4	949	952	947	941	941	942	945	941	942	941	944	944	944	942	941	939	4
5	945	953	947	942	941	943	945	941	941	942	944	945	945	943	942	941	5
6	944	959	951	944	945	945	949	941	944	943	945	945	946	945	945	945	6
7	940	961	953	949	950	950	950	939	947	944	949	949	950	943	947	949	7
8	939	961	951	949	951	947	949	939	945	945	945	949	946	937	942	945	8
9	941	956	949	955	950	942	949	942	945	944	941	948	945	932	936	937	9
10	941	945	941	953	945	945	941	942	939	940	939	941	942	930	934	935	10
11	933	943	935	951	940	940	936	945	935	937	936	937	941	928	932	923	11
Noon	935	937	930	947	937	933	931	943	930	935	930	932	934	921	933	919	Noon
13	935	939	926	938	930	927	931	935	926	931	932	927	933	920	929	919	13
14	939	940	926	931	924	923	915	934	926	931	935	928	920	922	931	921	14
15	949	941	931	935	927	929	922	937	929	930	929	931	925	929	924	923	15
16	956	943	935	939	932	932	930	941	937	931	939	933	934	931	937	930	16
17	963	947	937	943	936	944	935	943	943	933	941	937	937	932	937	931	17
18	971	949	939	945	937	946	935	946	945	943	941	938	939	935	937	933	18
19	959	948	941	943	939	941	937	944	944	946	942	939	939	935	939	935	19
20	963	947	944	943	940	952	939	943	943	943	941	939	940	936	938	936	20
21	965	947	942	942	942	946	941	943	943	945	941	940	941	937	929	936	21
22	959	946	943	941	943	951	940	946	943	947	942	941	941	939	937	934	22
23	955	946	941	941	943	950	940	942	943	949	943	943	942	939	938	934	23

29000 + (C.G.S. UNIT)

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean		Hour \ Day
Midnight	933	947	947	941	937	940	940	941	940	939	940	939	951	947	941		Midnight
1	934	945	945	940	937	937	937	941	940	939	940	940	952	948	942		1
2	936	945	945	943	936	937	939	941	939	939	940	940	949	947	942		2
3	937	947	946	942	937	938	939	940	940	939	941	940	951	950	943		3
4	941	949	945	943	939	939	939	941	940	939	941	941	953	950	944		4
5	941	949	947	945	940	941	939	941	940	939	941	941	957	951	946		5
6	945	951	951	947	941	945	940	943	941	939	941	942	961	955	949		6
7	947	957	950	951	950	957	947	947	943	943	943	950	966	959	947		7
8	941	956	950	949	955	951	952	943	940	941	940	941	966	956	945		8
9	933	953	943	943	951	946	953	940	935	941	937	939	963	951	941		9
10	933	951	937	939	937	943	949	933	930	939	933	945	965	949	936		10
11	927	949	933	923	937	930	935	929	920	935	929	950	961	943	932		11
Noon	915	943	932	919	932	930	923	927	913	930	929	953	951	941	930		Noon
13	910	941	935	917	930	910	923	927	912	931	928	961	947	939	929		13
14	920	947	931	919	931	909	925	929	914	929	927	966	943	930	932		14
15	925	948	935	923	931	913	927	932	915	927	926	965	949	945	936		15
16	930	952	937	929	931	919	934	937	921	930	927	955	951	949	940		16
17	939	953	940	931	934	926	941	941	929	937	931	953	950	951	942		17
18	950	953	937	932	936	931	943	942	933	940	934	949	950	951	941		18
19	952	951	937	932	935	933	941	940	933	939	935	949	948	947	942		19
20	947	954	939	935	937	936	940	939	932	939	936	949	947	947	942		20
21	951	949	940	934	939	937	941	939	933	939	936	949	947	947	943		21
22	949	953	941	937	939	939	941	939	937	939	936	959	947	946	943		22
23	948	954	941	939	939	939	941	940	939	939	937	947	947	945	942		23

TABLE VI - RESULTS OF METEOROLOGICAL OBSERVATIONS MADE AT THE AEROLOGICAL STATION, VACOAS (424.5 metres above mean sea level) DURING THE MONTH OF NOVEMBER, 1941

Month and Day 1941	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
NOV.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s		°C	°C	°C	°C	°C	°C	°C	mms	mins	hrs	%
1	971.4	22.5	0.8	21.3	93	25.3	90	2.2	8	18.5	22.2	23.7	19.1	25.3	18.2	7.1	...	...	9.4	74
2	971.5	21.3	0.6	20.4	95	24.0	80	4.0	5	18.2	21.1	21.4	19.1	25.0	18.0	7.0	1.5	30	8.0	63
3	971.0	22.8	0.9	21.5	92	25.6	65	6.3	7	18.1	22.4	23.5	18.8	24.8	18.1	6.7	1.2	50	10.5	82
4	969.8	20.6	0.3	20.1	97	23.5	80	2.7	10	18.4	20.2	19.7	18.3	24.0	18.3	5.7	4.3	130	2.6	21
5	968.7	22.9	3.2	17.8	73	20.4	75	4.5	4	18.0	22.4	24.7	17.2	25.8	17.2	8.6	...	...	10.7	83
6	968.3	23.3	2.4	19.5	80	22.7	75	3.1	8	18.0	22.3	24.0	18.5	25.1	17.6	7.5	0.2	5	9.6	75
7	967.5	22.6	4.2	15.7	65	17.8	85	1.8	7	17.0	23.2	23.0	18.8	26.4	15.8	10.6	...	...	9.8	76
8	966.6	21.7	2.1	18.4	82	21.2	45	3.3	10	17.5	19.0	22.5	18.3	25.1	17.6	7.5	1.4	35	2.1	17
9	966.8	24.5	3.0	19.9	75	23.2	65	0.9	8	18.3	23.5	22.2	19.0	25.8	18.3	7.5	2.2	50	6.7	52
10	968.2	21.9	1.5	19.6	87	22.8	85	4.9	9	18.5	21.0	23.6	19.8	25.3	18.5	6.8	2.3	115	10.6	82
11	968.9	22.4	1.3	20.4	89	24.0	110	5.2	8	18.3	21.9	23.7	19.9	25.0	19.1	5.9	1.2	25	10.5	81
12	969.5	23.6	3.6	17.9	71	20.5	90	4.5	6	18.8	22.7	25.0	19.0	26.4	18.9	7.5	...	...	11.0	85
13	969.4	24.1	3.6	18.4	71	21.2	70	5.4	5	18.8	23.3	25.5	25.6	26.6	18.7	7.9	1.0	60	10.4	80
14	967.2	23.1	4.3	16.0	65	18.2	40	2.7	5	17.0	22.7	23.7	18.0	26.3	17.4	8.9	...	...	7.1	55
15	965.3	24.7	3.1	20.0	75	23.4	30	2.5	7	17.8	24.4	25.6	18.5	27.6	17.8	9.8	...	...	10.8	83
16	965.8	22.7	1.0	21.2	91	25.2	CALM		10	19.1	22.4	25.8	21.3	27.6	18.4	9.2	2.8	100	3.9	30
17	966.3	23.1	1.1	21.4	90	25.5	CALM		9	20.0	22.5	25.5	20.6	26.6	18.4	8.2	0.9	50	1.1	9
18	966.7	26.3	2.2	23.1	83	28.3	CALM		8	19.6	25.9	26.9	20.8	28.3	19.6	8.7	...	...	9.6	74
19	966.6	22.7	1.1	21.0	90	24.9	CALM		10	20.4	22.4	25.4	21.2	26.9	20.4	6.5	11.8	150	2.1	16
20	965.9	23.2	1.5	20.9	87	24.7	340	1.8	9	19.9	23.0	25.1	20.0	27.0	19.9	7.1	...	...	7.0	54
21	968.4	24.2	2.5	20.3	79	23.8	CALM		9	19.1	23.7	22.0	22.4	25.8	19.1	6.7	12.9	100	4.4	34
22	968.7	25.4	3.3	20.5	74	24.1	CALM		10	18.9	23.5	22.9	20.5	26.7	18.4	8.3	0.4	15	2.3	18
23	969.2	23.5	0.7	22.5	94	27.3	65	3.6	8	20.4	23.0	22.0	20.3	25.1	19.6	5.5	8.2	165	4.1	32
24	970.2	24.7	2.6	20.7	79	24.4	115	2.2	7	19.9	23.9	24.7	20.8	26.0	19.9	6.1	0.1	5	1.2	10
25	968.9	23.2	1.6	20.8	87	24.6	75	1.1	8	18.2	22.9	24.9	19.8	26.8	18.8	8.0	...	...	6.6	51
26	966.8	23.5	2.0	20.5	71	24.1	40	3.1	10	19.4	22.8	22.5	19.6	24.6	19.2	5.4	3.2	70	3.5	27
27	968.1	24.4	4.3	17.6	66	20.1	55	2.2	2	18.2	23.9	25.0	19.9	26.6	17.9	8.7	...	...	10.8	82
28	970.2	23.5	2.5	19.6	79	22.8	50	6.3	4	19.7	22.8	25.5	19.7	26.5	19.6	6.9	0.7	25	10.8	82
29	969.4	24.6	5.1	16.3	60	18.5	70	5.8	4	19.6	24.0	25.5	19.6	26.8	19.6	7.2	0.2	5	10.6	81
30	967.3	24.7	5.5	15.7	57	17.8	75	3.4	3	18.2	24.1	25.2	19.4	27.3	17.3	10.0	...	...	8.1	62
Mean	968.3	23.4	2.4	19.6	79.9	23.0	...	2.8	7.2	18.7	22.8	24.0	19.8	26.1	18.5	7.6	56.5	1185	7.50	55.7
Average	968.3	22.8	3.1	18.0	78.8	20.8	...	...	8.5	...	...	...	...	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 + 40.5 mbs	+ 40.5 mbs	Amount of Rain	- 15.4 mms
Temperature of the Air	+ 1.0°C	Duration of bright sunshine	+ 0.36 hrs
Vapour Pressure	- 0.3 mbs	Mean of Maximum Temperatures	+ 3.1°C
Relative Humidity	- 5.7 %	Mean of Minimum Temperatures	+ 2.2°C
Velocity of Wind	+ 0.2 mps	Absolute Maximum Temperatures	+ 3.7°C
Amount of cloud	- 2.2	Absolute Minimum Temperatures	- 0.2°C
Greatest Rainfall Intensity at Vacoas	3.0 mms in 15 mins.		

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF NOVEMBER, 1941

Month and Day 1941	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 Cloud Amount (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 Dines' pluviograph	Duration		
NOV.	mbs	mbs	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs	°C	mms	mins	mms	
1	1012.2	+ 1.7	27.8	20.2	7.6	23.4	+ 0.5	3.4	18.0	+ 0.5	72	0	20.6	17.4	0.8	25	7.8	6.1
2	1012.4	+ 1.9	28.2	20.2	8.0	23.7	+ 0.7	3.5	18.2	+ 0.6	71	- 1	20.9	18.1	0.0	...	7.6	3.7
3	1011.5	+ 1.1	27.7	20.7	7.0	23.7	+ 0.7	3.7	17.8	+ 0.2	70	- 2	20.4	18.6	1.0	25	8.0	5.4
4	1010.2	- 0.2	28.1	20.4	7.7	22.7	- 0.4	2.6	18.6	+ 0.9	78	+ 6	21.4	18.5	6.6	150	8.4	7.7
5	1009.3	- 1.0	27.7	19.4	8.1	23.1	0.0	3.5	17.5	- 0.2	71	- 1	20.0	16.7	0.2	10	4.3	3.5
6	1009.1	- 1.2	28.1	19.3	8.8	23.3	0.0	3.4	17.8	0.0	72	0	20.4	15.6	1.3	20	7.9	6.1
7	1008.0	- 2.2	28.3	17.0	11.3	23.1	- 0.2	3.7	17.2	- 0.7	69	- 3	19.6	12.8	0.2	15	7.7	3.8
8	1007.0	- 3.2	27.8	20.0	7.8	23.3	0.0	2.8	18.8	+ 0.9	76	+ 4	21.7	16.9	1.2	20	6.9	6.2
9	1007.6	- 2.5	28.9	20.2	8.7	23.4	0.0	2.6	19.3	+ 1.3	78	+ 6	22.4	11.7	4.6	115	4.8	5.4
10	1008.9	- 1.1	28.5	20.8	7.7	24.2	+ 0.8	3.3	19.0	+ 1.0	73	+ 1	22.0	16.5	0.0	...	4.9	3.8
11	1009.8	- 0.2	29.2	21.0	8.2	24.5	+ 1.0	3.4	19.2	+ 1.1	72	0	22.2	16.8	0.2	15	9.2	4.0
12	1010.5	+ 0.5	29.1	19.9	9.2	24.3	+ 0.8	4.1	17.8	- 1.3	67	- 5	20.4	15.5	0.3	10	9.1	3.3
13	1009.6	- 0.8	29.1	20.6	8.5	24.4	+ 0.8	4.2	17.7	- 0.4	66	- 6	20.2	17.6	0.1	5	9.6	3.3
14	1007.6	- 2.3	30.1	19.1	11.0	23.8	+ 0.2	4.0	17.4	- 0.7	68	- 4	19.9	15.0	0.0	...	9.3	2.9
15	1005.9	- 4.0	31.3	19.7	11.6	25.2	+ 1.5	3.9	19.1	+ 0.9	69	- 3	22.1	15.9	0.2	40	7.2	3.9
16	1006.1	- 3.7	32.0	22.0	10.0	25.9	+ 2.2	2.3	22.5	+ 4.3	82	+10	27.3	17.2	2.4	50	6.7	8.5
17	1006.8	- 3.0	29.9	23.2	6.7	25.5	+ 1.7	2.2	22.3	+ 4.0	83	+11	27.0	22.1	2.6	190	6.6	7.6
18	1006.8	- 3.0	31.2	21.9	9.3	26.2	+ 2.4	3.4	21.1	+ 2.8	74	+ 2	25.0	19.2	0.0	...	6.8	5.1
19	1006.3	- 3.4	27.6	22.5	5.1	24.6	+ 0.7	1.8	21.9	+ 3.3	85	+13	26.3	21.5	4.1	55	5.5	8.5
20	1006.2	- 3.4	31.1	23.0	8.1	26.4	+ 2.5	3.7	20.8	+ 2.2	72	0	24.6	20.8	0.0	...	6.7	5.5
21	1008.1	+ 1.4	30.2	20.1	10.1	25.3	+ 1.3	2.6	21.4	+ 2.7	79	+9	25.5	19.1	0.0	...	7.3	7.1
22	1009.6	+ 0.2	31.0	20.9	10.1	25.1	+ 1.1	2.9	20.7	+ 2.0	76	+ 4	24.4	17.8	1.0	35	5.8	4.0
23	1010.3	+ 1.0	29.3	22.2	6.1	24.3	+ 0.2	1.8	21.5	+ 2.8	85	+13	25.8	19.1	7.5	80	4.3	6.8
24	1010.5	+ 1.3	29.0	22.4	6.6	25.1	+ 1.1	2.9	20.7	+ 1.8	76	+ 4	24.4	19.2	0.7	30	5.1	5.5
25	1008.8	- 0.3	28.9	20.8	8.1	24.7	+ 0.5	3.0	20.1	+ 1.2	77	+ 5	23.5	17.5	0.0	...	6.6	4.4
26	1007.7	- 1.2	28.9	21.3	7.6	24.0	- 0.3	2.4	20.3	+ 1.3	80	+ 8	23.8	18.3	2.0	50	4.5	6.0
27	1009.5	+ 0.7	30.0	20.1	9.9	24.7	+ 0.3	3.4	19.5	+ 0.4	73	+ 0	22.7	16.4	0.0	...	6.8	1.9
28	1010.9	+ 2.2	29.3	21.8	7.5	24.7	+ 0.2	2.9	20.2	+ 1.0	76	+ 3	23.7	18.1	2.2	45	7.0	5.1
29	1009.7	+ 1.1	29.0	21.3	7.7	24.7	+ 0.2	3.6	19.1	- 0.1	71	- 2	22.1	17.8	.9	25	8.3	3.7
30	1007.1	- 1.4	29.7	20.0	9.8	24.7	+ 0.1	4.5	17.6	- 1.9	65	- 8	20.1	16.6	0.0	...	8.4	1.9
Mean	1008.8	- 0.9	29.2	20.7	8.5	24.4	+ 0.7	3.2	19.4	+ 1.1	74.2	+ 2.1	22.7	17.5	Sum 41.1	Sum 1010	7.0	5.0
Average	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
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

General Weather Conditions during the month of November 1941

Weather conditions were nearly seasonal except for a brief spell of warm and humid weather around the middle of the month. Rainfall was rather unevenly distributed with nearly normal falls in the month whilst Vacoas on the central plateau had only about 40%.

TABLE VII (Cont'd) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF NOVEMBER, 1941

Month and Day 1941	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
NOV.	hrs	%	m.p.s.	m.p.s.	°C	°C	°C	°C	0h 3h 6h 9h 12h 15h 18h 21h 24h
1	11.0	86	3.3	- 0.1	24.7	24.6	26.0	26.1	bc c bcro bc bcro bc
2	11.2	88	4.1	+ 0.7	24.5	24.7	26.1	26.1	b bc b
3	10.0	78	4.0	+ 0.6	24.5	24.9	26.1	26.1	cro bc bcro bc b
4	3.3	26	4.2	+ 0.8	24.5	24.7	26.1	26.2	bc oro bcro
5	11.9	92	3.3	- 0.1	24.5	24.7	26.1	26.0	bc bcro bc b
6	9.0	70	3.6	+ 0.2	24.4	24.7	26.1	26.0	oro bc b
7	9.5	74	2.8	- 0.6	24.5	24.8	26.1	25.7	b bc bcro c bc b
8	4.8	37	2.4	- 1.0	24.5	24.8	26.1	26.0	b bc cro bc
9	7.8	60	2.2	- 1.2	24.5	24.8	26.2	26.0	cro bcro bc bcro b
10	11.3	88	3.7	+ 0.2	24.4	24.9	26.2	26.2	b bc b
11	11.8	91	4.1	+ 0.6	24.4	24.8	26.2	26.3	bc bro b bc bcro bc b
12	11.8	91	3.6	+ 0.1	24.4	24.9	26.2	26.7	b bcro bc b
13	11.9	92	3.5	0.0	24.4	24.9	26.3	26.7	bc bcro bc b
14	10.1	78	2.9	- 0.6	24.4	24.8	26.5	26.8	b bc b bo
15	10.5	81	2.7	- 0.8	24.4	24.9	26.6	26.7	bcro bc b bo
16	3.4	26	2.2	- 1.3	24.5	25.0	26.7	27.1	o oro cro bc c bc
17	2.1	16	2.3	- 1.2	24.5	25.0	26.8	27.6	oro cro c bc
18	11.0	85	2.5	- 0.9	24.5	25.0	27.0	27.3	bc b
19	2.6	20	2.0	- 1.4	24.5	25.0	27.1	27.7	c oro o oro c bc c o
20	10.5	80	2.6	- 0.8	24.5	25.0	27.1	27.5	c bc b bc
21	2.3	18	1.9	+ 1.5	24.5	25.0	27.3	27.6	bc c bc
22	6.4	49	1.9	- 1.5	24.4	25.1	27.3	27.4	b bc oro bc b
23	5.3	40	2.8	- 0.6	24.5	25.2	27.3	27.3	bc cR c cro bc bcro
24	7.2	55	3.3	- 0.1	24.5	25.1	27.3	27.2	b bc cro c cro bc bcro
25	6.9	53	2.7	- 0.7	24.5	25.3	27.3	27.2	b bc c bc b
26	2.0	15	2.2	- 1.2	24.6	25.3	27.3	27.1	bc cro oro bc b
27	10.9	83	2.9	- 0.5	24.6	25.2	27.1	26.8	bo b bc b bo
28	10.2	77	3.2	- 0.2	24.7	25.2	27.2	27.1	bcro cro bc b
29	11.0	83	3.3	0.0	24.7	25.3	27.3	27.1	bcro bc b bo
30	12.0	91	2.7	- 0.7	24.4	25.3	27.3	27.6	b bc b
Mean	8.32	64.1	2.96	- 0.46	24.49	24.96	26.68	26.77	
Average	8.80	67.7	3.42	...	24.40	24.70	25.45	26.07	
Column	19	20	21	22	23	24	25	26	27

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF NOVEMBER, 1941

Element	Highest	hrs	Date	Lowest	hrs	Date
Atmospheric Pressure	1014.1 mbs	at 22.00	on 1st	1004.1 mbs	at 15.00 hrs	on 15th
Temperature of the Air	32.0°C	at 14.30	on 16th	17.0°C	at 05.15	on 7th
Daily range of temperature of air	11.6°C		on 15th	5.1°C		on 19th
Temperature of the Dew Point	24.2°C	at 11.00	on 16th	15.9°C	at 14.00	on 3rd
Relative Humidity	95.8 %		often	47.4 %	at 15.00 hrs	on 15th
Minimum on grass					11.7°C	on 9th
Evaporation in 24 hrs	9.6 mms		on 13th	4.3 mms		on 5th and 23rd
Vapour Pressure	30.2 mbs	at 11.00	on 16th	18.1 mbs	at 14.00	on 3rd
Rainfall in 24 hrs	8.0 mms	ending 13.00 hrs on 23rd				
Duration of Sunshine	12.0 hrs		on 30th		2.0	on 26th

Mean Day Temperature of Air 26.64°C Average 26.34°C Mean Night Temperature of Air 22.14°C Average 21.30°C

Wind Velocity 6.6 m.p.s. at 12.00 on 4th 0.6 m.p.s. often

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	Lightning	Thunderstorm
...	6	18	6	...	8	11	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.

NOVEMBER, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	123	130	130	111	100	100	094	085	076	089	100	114	111	091	067	064	Midnight
1	116	123	129	107	090	094	091	080	071	082	096	110	106	082	060	057	1
2	111	120	121	100	088	091	088	076	064	081	091	107	100	076	056	044	2
3	110	118	117	096	086	090	079	070	063	080	090	101	096	074	053	047	3
4	111	117	112	094	089	086	080	070	063	081	091	103	099	076	056	048	4
5	112	120	112	098	090	087	080	069	067	087	093	106	100	075	060	048	5
6	120	124	118	103	092	091	080	070	070	092	100	111	102	077	065	057	6
7	126	130	123	105	098	092	081	072	079	096	104	115	108	080	070	062	7
8	129	132	123	110	101	094	082	077	080	097	106	116	111	082	071	070	8
9	131	139	126	111	103	097	084	080	081	099	106	118	111	085	071	071	9
10	131	133	125	110	100	095	085	079	084	096	104	113	110	086	068	070	10
11	125	130	121	105	097	092	081	071	081	091	101	110	104	081	061	070	11
Noon	120	125	116	103	095	091	078	067	079	089	098	102	098	078	059	066	Noon
13	113	119	111	103	087	090	072	059	071	081	090	093	090	072	051	061	13
14	110	112	101	096	081	086	071	052	070	080	087	092	084	071	049	051	14
15	109	111	100	091	080	081	069	051	069	078	083	091	081	069	041	050	15
16	110	111	100	092	080	081	069	053	069	079	083	091	080	066	043	050	16
17	112	113	101	091	081	083	071	056	070	080	084	092	080	066	045	051	17
18	121	120	105	097	088	090	076	063	074	081	090	097	081	069	051	057	18
19	125	123	111	102	093	091	081	070	080	088	099	101	085	071	058	063	19
20	131	130	115	104	100	093	083	074	087	096	107	102	090	073	062	070	20
21	138	132	118	107	106	094	086	081	090	100	111	109	092	074	068	071	21
22	141	136	119	109	109	099	087	081	091	105	113	112	096	076	071	076	22
23	138	131	116	107	108	099	086	079	091	103	116	112	096	073	071	075	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean		Hour \ Day
Midnight	069	077	071	070	078	098	108	110	107	081	090	111	114	089	095		Midnight
1	061	071	061	060	071	092	101	106	101	074	085	106	110	081	089		1
2	058	068	055	053	071	089	100	101	095	070	081	100	104	076	085		2
3	054	066	052	050	070	086	099	103	091	069	080	100	100	074	082		3
4	053	063	051	051	070	085	100	106	091	070	080	101	100	075	082		4
5	053	070	053	053	071	087	101	109	091	071	082	106	106	075	084		5
6	060	071	060	060	072	091	105	111	094	079	090	113	107	080	089		6
7	069	076	070	068	073	094	109	114	097	081	092	121	110	081	093		7
8	071	079	075	069	080	100	110	118	097	087	093	125	110	082	096		8
9	077	080	080	071	082	101	111	120	098	087	096	122	111	081	098		9
10	080	079	080	070	084	101	109	119	099	087	096	121	106	078	097		10
11	076	077	080	068	086	100	104	113	094	082	097	118	101	075	093		11
Noon	072	071	076	061	083	096	103	108	089	079	094	110	098	070	089		Noon
13	068	063	069	059	080	091	097	101	086	070	091	103	090	061	083		13
14	061	055	052	052	072	090	092	094	079	063	090	099	081	052	078		14
15	059	051	048	051	073	089	089	091	072	061	086	094	078	049	075		15
16	057	050	043	050	072	090	090	089	070	060	086	092	077	047	074		16
17	059	051	045	048	076	091	093	091	071	066	091	096	080	051	076		17
18	062	059	051	056	080	096	099	094	074	072	100	101	085	058	082		18
19	071	065	060	062	086	102	103	101	079	080	110	109	091	064	087		19
20	079	070	068	070	091	108	110	104	082	083	115	112	092	070	092		20
21	089	073	070	076	095	110	111	108	086	090	119	114	096	071	096		21
22	090	074	071	080	100	111	113	110	089	094	119	116	099	078	099		22
23	087	073	071	080	099	110	111	107	084	091	116	115	097	077	097		23

TABLE IX - AMOUNT OF CLOUD AT EVERY HOUR OF THE DAY (0-CLEAR SKY, 10 - OVERCAST SKY)

Hour \ Day	NOVEMBER, 1941																														
	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
Midnight	5	1	8	3	6	10	1	2	5	3	3	3	4	1	2	10	9	5	5	9	4	3	2	1	3	2	0	6	7	0	4.1
1	6	1	9	3	5	10	1	2	7	3	5	3	5	1	2	10	10	5	8	9	5	2	3	1	3	2	0	6	7	0	4.5
2	8	1	9	5	4	10	1	2	10	3	5	3	6	1	3	10	10	6	9	9	5	1	4	1	3	2	0	8	7	1	4.9
3	9	1	6	6	3	10	2	2	9	3	4	3	9	1	4	10	10	6	10	9	6	1	5	1	0	2	0	8	5	1	4.9
4	8	1	4	6	4	10	1	2	6	3	4	7	7	1	4	10	8	6	10	9	7	1	6	1	1	6	0	8	8	1	5.0
5	9	1	4	7	4	9	1	9	6	4	3	5	4	1	4	10	8	5	9	6	8	2	7	8	1	10	0	5	10	1	5.4
6	7	1	5	7	4	9	3	8	6	5	2	3	4	1	5	10	9	5	9	5	9	2	8	8	2	10	0	4	7	1	5.3
7	6	1	6	7	4	9	3	8	6	5	3	3	4	1	6	10	9	5	9	5	9	2	9	8	3	9	0	4	6	1	5.4
8	6	3	7	7	3	8	4	9	6	5	3	4	4	4	8	9	9	5	10	6	9	4	9	7	4	9	1	5	5	2	5.8
9	6	5	8	8	3	4	5	10	7	5	3	5	5	6	7	9	9	6	10	6	9	6	9	7	7	9	3	6	5	3	6.4
10	6	6	4	7	4	6	5	9	6	5	3	4	5	4	6	9	9	7	10	6	8	5	8	8	9	10	2	8	6	4	6.3
11	7	7	4	8	4	6	5	9	4	5	4	4	5	3	8	8	9	7	10	6	8	4	9	9	8	10	2	8	5	4	6.3
Noon	6	6	7	8	6	5	5	9	4	5	4	3	4	4	8	8	9	5	10	4	8	4	9	8	8	9	3	8	4	4	6.2
13	5	8	7	10	5	5	8	7	5	5	3	3	3	4	6	7	8	5	8	5	8	6	8	8	8	8	3	7	3	4	6.0
14	5	7	7	10	5	7	8	7	5	4	4	3	3	6	4	7	8	5	8	5	8	6	8	8	9	6	5	5	2	4	6.0
15	5	7	6	10	5	8	8	6	9	4	5	3	1	6	5	8	8	5	7	5	8	9	8	8	9	7	5	5	2	3	6.2
16	5	6	6	10	3	7	7	6	8	4	5	3	1	5	3	8	8	6	5	4	8	9	8	5	8	7	5	4	1	2	5.6
17	6	5	6	10	1	6	6	7	6	4	6	3	1	4	2	8	8	7	4	2	9	9	8	4	6	4	5	4	1	2	5.1
18	6	4	6	10	1	6	8	8	5	3	7	3	1	3	2	7	6	7	5	4	9	8	6	3	3	7	5	4	1	2	5.0
19	6	5	5	10	1	2	5	6	2	3	7	2	1	3	0	7	5	5	6	4	9	6	6	3	3	7	3	2	0	2	4.2
20	6	3	1	10	1	2	1	6	2	3	4	2	1	2	0	7	4	3	10	4	5	4	6	4	2	2	0	2	0	2	3.3
21	5	2	3	8	3	1	1	6	2	3	3	2	1	2	0	7	4	2	10	4	4	1	6	7	2	2	0	3	0	2	3.2
22	5	2	3	7	1	1	1	4	2	2	3	2	1	2	0	8	4	1	10	4	4	1	6	7	2	2	0	3	0	0	2.9
23	5	2	1	6	1	1	1	4	2	3	2	1	2	0	8	4	3	10	4	4	1	6	7	2	2	0	3	0	0	0	2.9

TABLE X - DURATION OF BRIGHT SUNSHINE AT EVERY HOUR OF THE DAY AS RECORDED BY THE CAMPBELL-STOKES SUNSHINE RECORDER

Hour ending \ Day	NOVEMBER, 1941																														
	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	hrs
6h	0	2	0	0	0	0	10	4	0	0	5	1	2	3	0	0	0	1	0	1	0	12	0	0	12	0	11	1	0	5	1.2
7	17	59	16	14	49	56	60	57	39	34	49	46	59	56	16	10	0	58	0	24	16	59	2	15	60	0	60	20	22	58	17.3
8	58	59	58	27	60	60	60	50	60	60	60	60	43	60	50	1	18	59	0	22	40	48	51	58	60	0	60	32	32	60	22.8
9	60	48	55	56	60	60	60	8	60	60	60	60	60	60	53	8	43	53	0	42	0	21	48	59	56	0	60	31	59	60	22.6
10	58	60	59	3	60	60	60	0	60	52	60	60	60	60	58	4	15	30	0	60	1	5	48	38	11	0	60	60	60	60	20.4
11	54	60	60	50	60	54	60	7	60	58	60	60	60	60	36	2	7	55	0	56	31	39	58	12	42	0	60	46	60	60	22.0
Noon	60	60	60	40	60	55	59	36	60	60	60	60	60	60	60	2	7	60	0	57	31	59	0	8	50	0	60	60	60	60	22.7
13	60	60	60	0	60	52	59	10	60	53	60	60	60	60	56	10	32	60	0	60	8	60	0	3	16	3	49	60	60	60	20.9
14	60	58	60	0	60	7	47	38	8	58	60	60	60	28	60	59	0	60	9	60	2	47	25	48	7	14	23	60	60	60	19.9
15	60	60	60	3	60	30	1	42	0	60	60	60	60	32	60	60	0	60	38	60	9	0	40	16	6	11	60	60	60	60	19.8
16	60	60	60	1	59	26	47	31	18	60	60	60	60	35	60	45	3	60	31	60	0	2	17	49	7	26	49	60	60	60	20.0
17	60	60	50	0	60	59	40	0	7	60	60	60	60	40	60	0	0	60	50	60	0	30	7	59	42	36	57	60	60	60	20.9
18	55	8	3	0	60	24	43	0	36	53	56	58	60	45	59	0	0	44	25	60	0	0	19	60	43	28	35	51	60	57	17.4
19	[illegible]	0	0	0	3	0	7	0	0	8	7	3	8	8	4	0	0	0	4	9	0	0	5	9	6	0	6	6	5	0	1.4
20																															

TABL E 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, 1941

Day / Hour	1		2		3		4		5		6		7		8		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	21.4	2.1	20.9	1.8	21.7	1.9	21.8	2.3	20.8	1.5	19.4	1.5	20.3	2.1	21.2	1.9	Midnight
1	21.0	1.9	20.8	1.7	21.0	1.9	21.8	1.9	20.6	1.6	19.4	1.5	20.1	2.1	21.7	1.7	1
2	20.3	1.4	20.6	1.7	21.1	1.9	22.0	2.1	20.1	1.4	20.4	1.3	19.1	4.5	21.2	2.2	2
3	20.7	1.7	20.4	1.7	21.0	1.3	21.5	1.9	20.0	1.5	21.2	1.5	18.9	1.8	20.1	1.8	3
4	20.2	1.5	20.5	1.9	21.0	1.5	21.2	2.1	20.6	1.6	21.3	1.4	19.1	1.9	20.8	1.7	4
5	20.7	1.7	20.3	1.7	20.7	1.6	21.1	1.1	20.1	1.3	21.2	1.4	17.8	1.7	20.4	1.2	5
6	21.1	1.9	20.8	2.0	21.1	1.6	22.1	2.8	20.2	1.2	21.7	1.8	18.1	1.8	21.3	1.1	6
7	22.1	1.1	22.9	3.0	23.0	2.3	23.7	3.1	23.2	2.6	24.1	3.1	23.5	3.2	23.4	2.3	7
8	24.7	4.1	24.1	3.9	24.8	3.9	25.3	4.0	24.3	3.8	24.9	3.7	25.1	4.1	22.1	2.1	8
9	25.2	4.8	25.1	4.3	25.6	4.5	24.9	4.0	25.5	4.9	26.1	5.4	26.0	5.4	23.3	3.1	9
10	26.2	6.0	26.3	4.6	26.6	5.7	25.9	4.7	26.3	5.2	25.8	4.8	27.0	6.1	23.8	2.1	10
11	27.0	6.3	27.0	6.0	26.5	6.5	27.2	5.7	26.8	6.1	26.3	5.2	27.2	6.0	25.4	4.2	11
Noon	26.8	5.8	27.3	6.2	27.2	6.8	25.4	4.7	26.7	5.8	26.4	5.5	26.8	6.1	25.2	3.6	Noon
13	27.3	6.2	27.3	5.7	27.4	6.6	22.1	1.1	27.1	6.5	26.3	5.4	28.0	6.7	26.2	4.6	13
14	27.4	6.4	27.2	5.7	27.3	7.1	23.4	2.2	26.9	6.1	26.3	5.2	26.5	5.9	27.2	5.9	14
15	27.1	6.8	26.3	5.0	26.7	6.4	24.2	3.4	26.3	6.1	26.0	5.5	26.2	6.1	27.0	6.0	15
16	26.1	6.0	26.7	5.7	26.5	6.3	24.2	3.4	26.0	6.1	25.9	5.4	26.5	6.2	26.2	5.2	16
17	25.8	5.7	25.0	3.9	25.0	4.9	21.2	1.3	25.2	5.7	25.2	5.1	25.0	4.7	25.0	3.9	17
18	23.2	3.2	24.0	3.2	24.0	4.0	24.1	3.9	21.6	1.6	23.8	4.0	23.4	3.4	24.1	2.8	18
19	22.3	2.3	23.8	3.1	22.9	3.2	20.6	1.6	22.0	2.8	22.1	3.1	22.2	2.4	22.9	2.2	19
20	22.0	1.9	23.1	3.0	22.1	2.4	20.8	1.5	21.2	2.2	21.3	2.6	21.3	1.8	22.7	2.1	20
21	21.8	1.9	23.0	3.0	22.0	2.3	20.9	1.7	21.1	2.0	20.8	2.3	21.2	2.0	22.8	2.1	21
22	21.2	1.3	22.8	2.8	22.2	2.2	21.0	1.4	20.1	1.8	20.9	2.6	21.2	1.8	22.1	1.9	22
23	21.0	1.7	22.0	2.6	21.2	1.8	21.0	1.4	19.9	1.8	20.3	2.0	21.9	2.0	22.0	1.4	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	22.0	2.2	20.8	1.1	21.6	1.6	21.8	1.7	21.5	1.8	20.6	1.8	20.0	1.8	22.0	1.8	Midnight
1	22.0	1.9	21.9	1.4	21.5	1.5	21.9	1.9	22.2	2.2	20.3	2.0	19.7	1.6	22.4	1.3	1
2	21.6	1.9	21.8	1.5	21.0	1.3	21.6	1.9	21.5	2.2	20.0	1.9	20.7	1.2	22.4	1.3	2
3	21.3	1.3	21.9	1.4	21.3	1.2	21.2	1.5	21.6	2.2	19.3	1.7	21.3	1.2	23.1	1.1	3
4	20.8	1.1	21.4	1.3	21.0	1.1	21.1	1.6	21.6	1.6	19.2	1.3	21.5	1.3	23.3	1.2	4
5	20.3	1.1	21.2	1.4	21.4	1.1	20.0	1.6	21.3	1.3	19.7	1.6	21.0	1.3	23.6	1.4	5
6	20.7	1.3	21.1	1.3	21.6	1.6	21.0	2.0	22.0	2.2	20.9	2.3	20.6	1.3	23.6	0.9	6
7	22.2	1.1	24.0	3.3	23.9	2.7	24.2	3.5	24.3	3.2	24.4	4.9	24.1	2.3	24.6	1.1	7
8	25.2	3.3	25.3	3.5	25.8	3.9	25.6	5.0	24.9	4.3	26.0	6.0	25.9	4.6	24.5	0.5	8
9	26.0	4.7	26.5	4.5	27.2	5.5	26.8	5.9	26.0	5.0	26.3	5.5	27.6	5.6	25.9	1.7	9
10	26.7	5.1	26.8	4.6	27.7	5.9	27.6	6.7	27.2	6.0	27.7	7.7	28.3	5.6	26.2	2.1	10
11	27.1	5.1	27.5	5.9	28.1	5.9	28.1	7.3	28.3	7.9	28.3	7.7	29.2	6.2	27.4	2.2	11
Noon	28.0	5.5	27.3	5.7	28.3	5.8	28.2	7.0	28.3	7.0	29.7	7.9	30.2	7.0	28.8	3.8	Noon
13	27.2	5.4	27.9	6.0	28.5	6.2	28.5	7.8	28.6	7.6	27.7	6.2	30.1	6.5	29.3	3.7	13
14	26.2	4.0	27.7	5.6	28.3	6.2	28.2	7.0	28.3	7.6	27.0	5.9	30.9	7.3	31.3	6.0	14
15	25.3	2.8	27.8	6.6	28.2	6.9	27.6	6.5	27.6	6.9	26.4	5.4	30.6	8.1	31.1	5.5	15
16	25.0	1.9	26.2	5.0	27.5	6.4	27.3	6.3	26.9	6.0	26.2	5.2	29.9	6.8	29.4	4.3	16
17	24.1	2.1	26.1	5.0	25.8	4.6	25.9	5.4	26.0	5.5	26.0	4.9	29.2	6.0	26.7	3.5	17
18	24.0	2.4	25.0	3.9	24.2	2.5	24.6	4.2	25.7	5.5	25.3	4.3	27.2	4.6	27.3	3.6	18
19	22.8	1.9	23.4	2.7	24.0	2.6	23.2	3.1	23.6	3.5	24.0	3.5	25.3	3.3	26.2	2.3	19
20	21.2	1.9	23.1	2.3	23.3	2.2	22.5	2.6	22.7	2.8	23.0	2.9	23.8	2.8	25.9	2.3	20
21	21.2	1.9	22.7	1.9	23.1	2.1	22.1	2.3	22.2	2.5	21.6	2.1	22.4	2.2	25.1	1.8	21
22	20.7	1.7	22.2	1.9	22.6	1.8	22.0	2.2	22.0	2.4	21.0	2.0	22.0	2.0	24.8	1.6	22
23	20.7	1.6	21.8	1.8	22.0	1.8	21.6	2.0	21.0	2.0	20.6	1.7	21.6	1.8	24.3	1.2	23

TABLE XI (Ctd) - TEMPERATURE OF THE AIR AND EXCESS OVER TEMPERATURE OF EVAPORATION IN DEGREES CENTIGRADE AT EVERY HOUR OF THE DAY, AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

(To obtain temperatures on the absolute scale add 273)

NOVEMBER, 1941

Day / Hour	17		18		19		20		21		22		23		24		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	24.0	1.0	23.9	1.4	23.7	1.5	23.6	1.2	23.4	1.5	22.8	1.6	23.2	1.2	23.1	1.1	Midnight
1	23.9	1.0	23.3	1.1	23.3	1.2	23.5	1.3	23.1	1.3	22.0	1.2	23.0	1.3	23.1	1.4	1
2	23.6	0.6	23.0	0.9	23.0	1.0	23.2	1.1	22.7	1.2	22.0	1.1	22.8	1.5	23.0	1.6	2
3	23.4	0.5	22.7	1.0	22.8	1.0	23.4	1.3	22.4	1.2	21.8	1.2	22.8	1.1	22.7	1.6	3
4	23.4	0.6	21.9	0.9	22.8	1.0	23.6	1.5	22.4	1.2	21.4	1.2	22.9	1.0	22.6	1.6	4
5	23.3	0.5	22.2	1.0	23.0	0.9	23.5	1.4	22.0	1.0	21.2	1.2	22.6	0.8	22.7	1.6	5
6	23.7	0.8	22.8	1.0	23.6	0.9	23.1	1.4	22.8	1.1	22.1	1.5	22.7	0.6	23.0	1.0	6
7	24.3	0.9	25.8	2.5	23.9	1.0	24.9	2.3	24.0	1.7	25.0	2.2	23.6	1.3	24.4	1.3	7
8	25.1	1.0	27.0	4.0	24.2	1.4	26.9	3.8	25.0	2.2	27.0	4.1	25.8	2.3	25.8	2.7	8
9	27.3	2.8	29.1	5.4	24.8	2.1	28.2	4.9	26.3	2.7	27.1	4.5	24.3	1.6	27.0	4.3	9
10	26.2	1.7	29.1	5.8	25.9	2.7	30.0	6.0	27.7	3.7	28.0	5.0	27.8	3.9	27.1	4.3	10
11	27.7	3.0	30.0	6.1	24.0	1.2	30.0	6.4	30.0	5.0	29.8	6.8	27.3	4.2	26.1	3.4	11
Noon	28.4	4.3	29.7	5.9	24.3	1.3	30.6	7.4	29.1	4.8	30.2	7.0	24.8	1.2	27.0	3.8	Noon
13	29.1	4.8	30.2	6.0	25.2	2.0	29.8	6.1	28.6	4.6	30.1	6.9	25.7	1.8	27.1	3.7	13
14	28.8	4.7	30.3	6.3	26.8	3.2	29.8	6.1	29.3	4.9	28.4	5.7	26.2	3.2	28.6	5.6	14
15	29.0	5.1	30.3	6.3	26.8	2.7	30.3	6.3	27.6	4.2	27.6	4.3	27.0	4.2	27.7	5.0	15
16	27.6	4.0	29.0	5.8	27.1	3.4	29.2	6.0	27.3	4.0	27.0	3.1	25.1	2.1	28.0	5.2	16
17	26.7	3.5	28.6	4.9	27.0	3.8	28.8	5.8	26.9	3.8	25.6	1.6	25.1	2.5	27.1	4.8	17
18	26.1	3.2	27.0	4.0	25.9	3.2	27.0	4.1	26.2	3.3	25.7	1.7	24.2	1.5	25.8	3.8	18
19	24.8	2.1	25.6	2.9	25.2	2.3	25.9	3.5	25.7	2.8	24.9	1.7	23.9	1.7	24.9	2.9	19
20	23.9	1.5	24.8	2.5	24.9	2.0	25.1	2.9	24.3	2.1	23.9	1.5	23.7	1.6	24.3	2.3	20
21	23.6	1.4	24.1	2.0	24.5	1.6	24.4	2.4	23.8	1.8	23.1	1.4	23.2	1.2	23.9	1.9	21
22	23.3	1.1	24.2	2.0	24.2	1.6	24.3	2.3	23.6	1.6	22.7	1.4	23.5	1.2	23.7	1.6	22
23	23.9	1.2	24.0	1.8	24.2	1.5	24.1	2.2	23.3	1.3	22.5	1.2	23.1	1.0	23.1	1.5	23

Day / Hour	25		26		27		28		29		30		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		
Midnight	22.3	1.3	22.3	1.1	21.8	1.6	22.1	1.5	22.0	1.7	21.3	1.8	21.9	1.6			Midnight
1	22.0	1.3	22.6	1.3	21.2	1.4	22.0	1.1	22.1	1.5	21.1	1.7	21.3	1.5			1
2	21.7	1.3	22.2	1.1	21.0	1.2	21.9	1.3	22.5	1.4	21.0	1.7	21.6	1.4			2
3	21.1	1.1	21.9	1.2	20.6	1.4	22.1	1.0	22.0	1.3	20.8	1.7	21.5	1.4			3
4	20.8	1.4	21.7	0.8	20.3	1.1	22.2	1.0	21.9	1.3	20.9	1.8	21.5	1.4			4
5	20.9	1.3	21.9	1.0	20.2	1.1	22.2	0.8	21.9	1.3	20.6	1.7	21.3	1.3			5
6	22.1	1.5	22.0	1.0	21.2	1.2	22.4	0.9	21.8	1.7	21.2	2.0	21.8	1.5			6
7	25.2	2.6	22.8	1.6	24.5	2.5	23.3	1.5	24.3	1.5	24.2	3.1	23.9	2.3			7
8	26.8	3.9	23.2	1.2	26.0	4.7	23.1	1.4	25.0	2.8	26.9	5.9	25.2	3.4			8
9	26.0	3.2	25.0	1.9	27.2	5.4	26.5	3.3	26.2	3.9	27.8	6.9	26.2	4.2			9
10	26.2	3.2	23.2	1.1	28.2	6.5	27.6	4.8	28.0	5.1	28.3	8.0	27.0	4.8			10
11	28.3	5.3	24.8	2.1	29.0	6.7	27.0	3.4	28.1	5.8	29.0	7.8	27.6	5.4			11
Noon	28.8	5.7	25.0	2.7	29.1	6.4	28.7	5.8	28.3	5.9	29.0	7.4	27.8	5.5			Noon
13	27.7	4.9	26.2	3.2	28.4	5.7	28.5	5.7	28.2	6.0	29.3	7.7	27.8	5.4			13
14	28.1	6.0	27.7	4.9	29.0	6.0	28.9	6.6	28.7	6.5	29.0	7.8	28.0	5.7			14
15	28.2	6.0	28.0	5.8	28.9	6.4	28.2	5.7	28.2	6.7	28.9	7.0	27.7	5.7			15
16	28.2	5.2	27.6	5.4	27.8	5.5	27.8	5.8	28.1	7.3	28.3	7.3	27.2	5.3			16
17	27.0	4.3	27.0	4.9	27.1	4.8	27.0	4.9	27.1	6.5	27.3	6.8	26.2	4.5			17
18	25.7	3.6	25.9	3.8	25.4	3.2	25.8	4.0	25.8	5.3	25.7	5.4	25.1	3.5			18
19	24.3	2.2	24.6	2.7	24.2	2.3	24.3	2.5	24.1	3.5	24.1	3.9	23.9	2.6			19
20	23.5	1.9	23.7	2.5	23.9	2.2	23.5	2.1	23.0	2.9	23.0	2.9	23.2	2.3			20
21	24.3	2.2	24.6	2.7	24.2	2.3	24.3	2.5	24.1	3.5	24.1	3.9	23.9	2.6			21
22	22.9	1.5	22.0	1.7	22.2	1.6	22.3	1.6	21.9	2.2	21.6	2.3	22.4	1.9			22
23	22.3	1.2	22.0	1.7	22.1	1.5	22.1	1.7	21.6	2.0	21.5	2.1	22.1	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, 1941

The directions are given in points and the values indicate the direction fromwhich the wind blows counting from North (0), East (8), South (16) and West (24)
The velocities are given in Metres per Second, using the factor 2.2
(The days on which the Normal Trade Winds are interrupted are indicated by an asterisk *)

NOVEMBER, 1941

Hour \ Day	1		2		3		4		5		6		7		8		9 *		10		11		12		13		14		15		16	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Mid-night	10	2.2	11	2.6	11	2.7	09	2.8	10	2.2	08	1.6	09	2.4	11	2.0	10	2.1	10	2.1	11	1.6	11	2.4	11	2.1	09	2.0	11	2.4	11	1.5
1	10	2.0	10	3.3	08	3.0	09	3.3	10	3.3	08	1.8	11	2.3	11	2.2	09	1.3	10	2.1	12	1.5	11	2.3	11	3.0	10	2.1	11	1.7	12	1.1
2	10	2.0	11	2.8	11	2.6	10	3.2	10	2.3	11	1.9	11	0.9	07	2.6	07	2.1	11	2.1	12	1.9	11	2.5	11	2.1	10	1.8	11	1.4	12	2.0
3	10	1.8	11	2.9	10	1.7	10	2.5	10	2.8	08	1.8	11	1.4	09	1.8	06	1.4	11	1.6	12	1.4	11	2.6	11	2.1	10	1.7	11	1.3	09	1.0
4	10	2.2	11	3.0	10	2.4	10	3.7	12	1.9	12	2.7	11	1.0	11	2.5	06	1.3	11	2.5	12	1.2	07	2.5	10	2.1	10	2.0	11	1.1	06	1.0
5	10	1.8	11	3.0	10	2.8	10	5.1	12	3.3	11	2.6	11	0.5	11	1.9	06	1.8	12	2.7	11	2.1	09	1.9	10	1.9	10	2.2	11	1.7	05	1.3
6	08	2.1	11	2.6	10	2.9	11	4.2	09	3.5	11	3.0	11	0.5	04	1.1	06	1.6	11	3.0	11	1.9	10	2.0	10	2.6	10	2.4	11	1.2	05	1.1
7	11	3.0	11	5.0	09	3.8	10	5.0	09	3.7	10	3.7	11	1.5	07	1.6	06	2.1	12	2.9	11	3.0	12	4.1	08	3.3	08	3.8	07	2.7	05	1.1
8	09	4.1	10	5.6	09	5.0	09	6.5	08	4.4	08	4.4	09	3.4	08	2.6	09	3.0	09	4.8	10	4.7	09	5.5	08	4.9	06	4.5	03	3.8	01	2.1
9	09	3.8	10	6.0	08	5.9	11	6.1	09	4.3	08	4.5	11	2.7	11	3.1	07	3.1	11	5.0	13	6.2	10	5.7	08	5.3	06	4.8	03	3.3	01	3.3
10	07	4.2	10	5.4	06	5.9	10	6.0	06	4.6	08	4.7	09	3.4	07	2.2	08	3.1	13	5.7	09	4.8	10	5.4	08	5.2	06	4.3	04	4.4	31	2.6
11	09	5.0	08	5.0	09	5.5	09	5.9	08	5.1	09	5.3	08	3.4	08	3.3	08	3.9	09	5.2	12	8.4	09	5.3	08	5.1	03	5.1	04	5.0	31	3.9
Noon	09	4.6	09	5.3	06	5.9	09	6.6	07	5.0	09	5.2	09	4.7	07	4.3	07	4.4	12	4.5	11	6.5	09	5.6	09	4.9	04	4.3	03	5.4	30	3.2
13	09	5.2	09	5.2	06	5.4	06	5.7	08	5.1	08	4.9	08	4.5	06	3.4	08	2.4	08	5.8	10	7.7	12	4.7	08	5.1	05	3.0	01	4.3	30	3.2
14	09	5.1	08	5.3	06	5.1	07	4.4	06	4.6	10	5.3	08	4.9	04	3.1	d21	2.7	10	5.6	11	6.4	09	4.8	06	4.4	04	3.9	02	3.9	30	4.9
15	08	4.9	07	5.1	08	5.1	09	4.5	07	4.4	08	5.9	07	4.2	06	3.7	22	3.2	12	6.4	12	6.6	06	4.4	06	4.5	06	4.3	32	4.9	30	3.5
16	07	4.2	08	4.8	08	4.6	07	3.9	11	3.6	09	5.0	07	4.3	06	2.9	20	1.8	12	5.5	12	6.4	10	4.9	08	4.4	07	2.5	31	3.9	31	3.3
17	11	3.9	08	4.4	08	4.4	09	3.1	10	3.7	09	5.6	09	4.4	08	3.0	20	3.1	11	5.1	10	5.2	10	4.4	08	3.9	05	4.2	01	2.8	30	3.9
18	11	3.7	09	3.6	09	4.2	10	3.2	08	3.0	09	4.3	09	3.9	07	2.8	20	1.3	11	4.3	11	4.5	09	4.6	09	4.1	05	3.0	04	2.7	32	2.5
19	10	2.5	08	3.0	09	3.3	08	3.1	08	1.5	09	3.1	09	2.4	09	1.8	21	1.1	11	2.8	10	4.0	11	2.5	09	3.0	05	2.0	04	1.3	01	[illegible]
20	12	2.6	08	3.5	09	3.3	09	2.9	08	1.3	09	2.2	09	2.2	09	1.1	16	1.5	12	3.2	11	3.7	11	2.9	09	2.9	05	1.5	04	0.8	02	[illegible]
21	12	2.6	09	3.5	09	3.6	11	2.9	08	1.3	11	3.3	09	2.3	08	1.1	12	1.4	12	2.3	11	3.5	11	2.3	09	3.2	05	0.9	11	1.8	02	[illegible]
22	11	2.5	09	4.1	09	3.2	13	3.8	08	2.0	10	2.0	10	2.6	10	1.9	12	1.5	12	1.6	11	3.1	11	2.5	09	1.9	05	1.0	12	1.8	04	[illegible]
23	11	2.0	08	3.1	09	3.1	10	2.2	08	2.0	12	1.8	11	2.5	10	1.3	12	1.4	11	1.6	11	2.1	11	2.1	09	1.8	05	1.4	12	1.6	04	[illegible]

Hour \ Day	17		18		* 19		20		21		*22		23		24		25		26		27		28		29		30				Mean
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Velo-city
Mid-night	04	1.0	07	1.1	05	1.9	02	1.4	30	1.2	29	1.5	18	1.7	08	2.9	10	2.7	07	1.1	09	1.2	09	2.1	09	1.7	11	1.8			1.9
1	07	1.7	07	1.1	05	1.6	02	1.3	30	1.4	29	1.8	15	1.6	11	3.3	10	2.4	07	0.9	09	1.1	10	1.5	10	1.7	11	1.8			2.0
2	09	1.3	07	1.1	05	1.8	04	1.2	30	1.8	29	1.5	14	1.9	11	3.5	10	2.4	07	1.0	09	1.4	10	1.7	12	1.8	11	1.8			1.9
3	10	1.0	11	1.4	05	1.1	04	1.3	30	1.2	29	1.8	08	1.3	11	3.1	10	1.8	07	1.3	09	1.8	10	2.4	08	1.9	11	1.7			1.8
4	08	1.6	11	1.6	06	1.5	04	1.1	30	1.2	29	1.4	08	1.0	10	3.1	10	2.3	04	1.7	10	1.8	11	1.8	10	1.7	11	1.8			1.9
5	07	0.8	11	1.7	07	1.1	04	1.4	30	1.1	29	1.6	08	0.8	10	2.1	10	2.3	10	2.9	10	1.7	11	1.7	07	2.3	11	1.6			2.0
6	07	1.1	11	1.8	11	1.3	04	1.6	30	1.1	29	1.7	08	1.2	08	2.8	10	1.6	10	1.9	10	1.5	11	1.5	11	2.3	11	1.6			2.0
7	05	1.4	09	2.5	05	1.8	04	2.0	30	1.4	29	1.1	10	2.3	09	3.4	10	2.6	10	2.2	10	2.2	10	2.4	11	2.8	11	1.8			2.7
8	03	3.7	07	2.0	05	1.8	02	3.6	01	1.9	d06	1.3	10	2.2	11	4.4	10	3.3	10	2.9	07	3.7	06	3.5	09	4.1	09	3.9			3.7
9	03	4.9	06	2.6	06	1.6	31	4.3	01	2.1	07	1.8	06	3.7	10	4.4	08	4.0	[illegible]	1.9	08	4.2	08	4.4	08	5.3	09	4.1			4.1
10	02	2.8	06	3.3	03	1.7	31	5.4	02	2.7	02	2.3	06	4.2	10	4.0	04	4.4	04	5.0	07	4.5	08	5.0	05	4.8	08	3.8			4.2
11	02	4.1	05	3.5	r08	1.5	31	4.9	32	3.9	05	3.3	08	4.5	11	3.7	04	4.2	06	3.0	07	4.2	07	4.9	07	4.6	06	4.0			4.5
Noon	04	4.7	07	3.7	d17	2.6	31	3.8	03	4.2	08	3.5	12	4.0	08	3.6	06	3.1	08	2.7	06	4.1	07	5.8	08	5.3	08	4.4			4.5
13	02	2.6	05	4.4	17	2.5	31	4.4	02	4.0	08	3.9	09	4.0	10	3.5	06	4.0	07	3.2	06	4.3	06	5.3	08	4.9	08	4.0			4.4
14	01	3.4	05	4.4	r06	4.1	31	5.1	30	3.4	08	2.5	11	4.3	06	3.9	08	2.6	04	3.0	07	4.3	06	4.9	09	4.4	08	3.5			4.3
15	02	3.8	03	4.3	05	4.0	29	3.9	30	2.9	d19	4.2	10	4.4	11	4.0	07	3.2	08	3.6	08	4.2	08	4.8	08	5.3	06	3.8			4.4
16	03	3.5	03	3.1	04	4.3	29	3.5	31	2.3	20	3.1	06	4.1	10	4.2	07	3.4	06	2.9	09	4.2	08	4.7	12	4.4	06	3.6			3.9
17	04	2.9	04	3.9	04	4.3	31	3.8	30	1.9	23	1.6	09	2.6	11	3.4	07	3.2	06	2.6	07	4.2	07	4.2	10	3.9	08	2.2			3.7
18	04	2.6	05	3.4	03	2.3	30	2.9	29	1.4	23	0.6	10	2.0	10	3.1	06	2.6	06	2.5	09	3.3	08	4.0	10	3.2	08	3.9			3.1
19	04	1.7	05	2.1	03	1.1	30	1.5	29	1.4	23	0.6	09	3.4	11	3.0	07	2.1	06	0.9	09	2.4	09	2.7	11	2.5	08	2.3			2.2
20	04	1.2	05	1.5	02	0.6	30	0.7	29	0.6	23	0.6	10	3.2	11	2.1	07	1.8	06	1.2	09	2.6	09	1.9	11	2.5	08	1.8			2.0
21	05	1.2	05	1.4	02	1.0	31	0.7	29	0.8	23	1.2	10	3.7	11	2.1	07	1.6	06	0.7	09	2.4	09	1.7	11	2.8	10	2.0			2.0
22	05	1.4	05	1.6	03	0.8	31	1.1	29	0.7	23	1.5	11	3.1	11	2.6	07	2.0	06	1.0	09	1.8	09	1.9	11	2.2	10	1.9			2.0
23	07	1.4	05	1.2	03	1.0	31	1.2	29	1.2	23	0.7	09	3.1	09	3.2	07	1.2	06	1.6	09	2.5	09	1.6	11	1.8	10	1.6			1.8

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS) NOVEMBER, 1941

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	-	-	2	1	7	8	10	-	-	-	-	-	-	-	1	1
9	-	5	25	3	-	3	4	12	3	5	-	-	-	1	1	-	-	-	-
15	-	3	27	1	1	2	5	12	1	3	-	-	-	-	-	1	-	1	2
21	-	-	30	1	2	3	1	9	2	10	-	-	-	-	-	1	-	1	-
Totals	-	-	-	5	3	10	11	40	14	28	-	-	-	1	1	1	-	3	3

TABLE XIVa - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY FOR NOVEMBER, 1941

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
	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	..	..	0.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.6	..	..	..	..	..	..	..	..	..	..	..	..	..
3	..	..	..	..	..	0.6	..	..	2.5	..	..	..	..	..	0.1	..	0.3	..	..	..	..	..	..	..	..	..	..	0.3	0.3	..
4	..	..	..	..	..	0.7	..	..	0.1	..	..	0.3	..	0.1	..	..	0.1	..	0.6	..	..	..	..	..	..	..	..	..	..	..
5	..	..	..	..	..	..	..	..	..	..	0.1	..	0.1	..	..	0.3	0.1	..	..	..	..	..	..	..	..	0.4	..	..	1.0	..
6	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	0.1	0.1	..	..	..	..	..	6.2	..	..	..	..	..	..	..
7	0.3	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.5	..	..	..	0.3	0.3	..
8	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	1.6	0.9	..	..	..	..	..	..	..	..	0.1	..	0.9	0.3	..
9	..	..	..	..	..	..	..	0.8	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	0.2	0.2	..	..	..	..	..	..	..	0.1	0.5	..	..	..	..	..	..	..	..	1.2	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3.5	..	..	..	..	..	..	0.3	..	0.2	..	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.7	..	..	..	..	..	..	..
13	..	..	..	0.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	0.1	..	..	..	..	..	..
14	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	1.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	..	..	..	..	..	1.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	..	..	..	2.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.7	0.1	..	..	..	..	..	..	..
18	0.2	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..
19	..	..	..	3.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	0.1	..	..	..	..	..	..
24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..

TABLE XIVb - RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS, FOR NOVEMBER, 1941

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
	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	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..
2	..	..	0.7	..	..	..	..	..	..	1.1	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	..	..	..	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	..	..	..	0.4	..	..	..	..	..	0.3	0.4	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	0.5	0.2	..
5	..	..	..	2.4	..	..	..	..	..	0.7	..	..	..	..	..	..	0.5	..	..	..	..	..	..	..	..	..	..	0.1	..	..
6	..	..	0.1	..	..	..	..	..	..	0.1	..	..	0.8	..	..	0.3	..	..	..	..	..	..	1.3	..	..	0.3	..	..	..	..
7	..	..	0.1	0.1	..	..	..	0.1	..	0.1	..	..	0.1	..	..	0.8	..	..	..	..	..	0.1	0.7	..	..	0.6	..	..	..	..
8	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	0.3	0.1	..	..	..	..	..	0.1	..	..	0.1	..	..	..	..
9	..	..	..	0.1	..	..	..	0.2	..	..	..	..	..	..	..	0.7	..	..	..	..	..	..	..	0.1	..	..	..	0.1	..	..
10	..	..	..	0.3	..	..	..	..	..	..	0.1	..	..	..	..	0.2	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..	7.0	..	..	..	1.3	..	..	1.1	..	..	..	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	4.5	..	..	..	0.3	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	4.5	..	1.1	..	..	1.0	..	..	..	..
14	..	..	..	..	..	..	..	..	1.0	..	..	..	..	..	..	..	..	..	..	..	8.0	..	..	..	..	..	..	..	..	..
15	..	0.7	..	0.5	..	..	..	0.1	1.2	..	..	..	..	..	..	..	..	..	..	..	0.2	..	1.2	..	..	0.1	..	..	..	..
16	..	0.1	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..
17	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..
18	..	0.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	0.2	1.5	..	..	..	..	..	..	..
19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XV - TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR NOVEMBER, 1941

RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall		Normal in Inches	Number of days
			Inches	Millimetres		
1	Mare Seche	20	2.30	58.4	1.62	10
	t Antoine	50	2.98	75.7	1.42	11
	Bel Mont	50	3.15	80.0	1.83	8
	Poudre d'Or	20	2.08	52.8	1.73	8
	Mon Loisir S.E.	300	2.28	57.9	2.16	8
	Forbach	300	3.75	95.3	1.80	9
	Couroupa	...	...	...	...	..
	Labourdonnais	290	2.25	57.0	2.00	..
	Mapou Water Office	...	0.80	20.3	...	4
	Beau Sejour	300	2.47	62.7	2.63	10
	Mont Piton	650	2.10	53.3	2.42	7
	Mon Choix	700	2.24	56.9	2.33	9
	Antoinette	640	2.41	61.2	2.67	13
	Mon Songe	620	2.07	52.6	3.04	11
	Botanical Gardens	325	1.67	42.4	2.19	23
	Observatory	179	1.62	41.1	1.76	21
	Solitude	175	...	...	1.23	..
	St Andre Cour	90	...	...	1.66	..
	La Nicoliere	...	2.99	75.9	5.15	20
	California	...	2.93	74.4	2.38	10
	Australia	...	2.81	71.4	...	9
2 & 3	Union Regnard Flacq S.E.	600	5.23	132.8	2.78	10
	Constance la Gaiete	100	2.96	75.2	2.64	9
	Rich Fund	600	4.75	120.7	4.01	12
	La Joffrette	...	3.47	88.1	...	8
	Belle Vue (Allendy)	...	4.81	122.2	4.11	9
4	Sans Souci	900	4.35	110.5	6.12	17
	Beau Champ (G.R.S.E.)	90	...	...	2.47	..
	Olivia	400	...	...	4.22	..
	Trois Ilots	...	...	...	...	..
	Belle Rive	400	...	...	...	..
	Sebastopol	700	...	...	...	..
	Bonne Veine	400	3.13	79.5	6.35	20
5	Rose Belle	850	...	...	7.98	..
	New Grove	650	4.64	117.9	...	20
	Mon Tresor	...	3.78	96.0	...	..
	Mon Desert Carie	75	1.94	49.3	2.93	11
	Ferney	20	3.25	82.6	3.50	10
	Sauveterre	...	2.92	74.2	...	16
	Tivoli	1300	5.58	144.7	5.90	19
	La Flora	1050	5.17	131.3	7.24	17
	Riche Bois Britannia	650	3.31	84.1	5.93	13
	Britannia Estate	700	4.25	108.0	4.55	15
6	Savannah Mill	200	3.50	88.9	3.63	13
	St Aubin	300	3.27	83.1	3.24	13
	St Avold	900	5.28	134.1	5.58	17
	Colmar	400	4.46	113.3	4.38	14
	Union S.E.	...	4.10	104.1	4.18	10
	Fontenelle	320	3.76	95.5	4.13	9
	Choisy	200	3.48	[illegible]	2.60	7
	Beau Bois	...	1.96	49.8	3.72	15
	Bel Air	...	2.56	65.0	4.17	8
	St Felix	...	4.96	126.0	...	8
7, 8, 9 & 10	Bel Ombre	40	3.02	76.7	2.30	10
	Beau Champ (... du Cap)	70	2.52	64.0	2.73	11
	Frederica	...	4.38	111.3	...	11
	Pierrefonds	...	1.13	28.7	2.54	9
	Ste Marie	...	3.23	82.0	...	12
	Hussonia Ltd.	...	...	...	...	..
11	Curepipe Gardens	1840	4.75	120.7	5.43	19
	Mare-aux-Vacoas (G.End)	1850	5.09	129.3	6.63	20
	Mare-aux-Vacoas (Arnaud)	1830	4.11	104.4	6.32	20
	La Marie Filter Beds	1700	5.60	167.6	4.30	20
	Sentie	...	...	...	...	..
	[illegible]sion	1420	2.03	57.6	3.38	10
	[illegible]gical Station	1393	2.22	56.5	4.50	19
	Phoenix	...	2.36	59.9	3.30	6
	Quatre Bornes	...	1.27	32.3	...	8
12	Quatre Bornes (Board)	1090	0.48	12.2	...	2
	Le Reduit Dep. of Agric.	1000	2.05	52.1	2.20	28
	Alma	1460	2.55	64.8	5.12	16
	Bagatelle	1250	1.44	36.6	2.75	8
	Highlands	1300	1.97	50.0	3.12	8
	Trianon	950	1.42	36.1	2.35	8
	Val Ory	1100	...	...	2.30	...
	Bassin	...	1.44	36.6	2.90	3
	Hermitage	1450	2.16	54.9	5.55	8
	Ebene	...	1.53	38.9	...	11
	Bega	...	2.47	62.7	...	11
	Mon Reve	...	2.12	53.8	...	10
	Mount Pevril	...	1.69	42.9	...	11
	Mini[illegible]sy	1150	1.95	49.5	2.75	10
	Plaisance	...	2.97	75.4	...	10
	La Ferme	350	0.99	25.1	1.65	9
	Line Barracks	...	1.15	29.1	...	12
	Tobacco Research Stn.Richelieu	...	1.13	28.7	...	..

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE AEROLOGICAL STATION, VACOAS, 424.5 METRES ABOVE SEA LEVEL,

during the month of November, 1941

Day \ Type	Time	St & Fs		Cumulus Cu.St. & c.		Alto. Cu. Alto. St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	St & Fs.		Cumulus Cu. St & c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height		Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height	Dir.	Vel/ Height
		0		0		0		0		0		0			0		0		0		0		0		0	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	12¼	...	...	120	4.3	...	...	...	...	...	...	...	...
6	10	...	...	105	6.9	...	...	...	...	...	...	...	...	12¼	...	...	120	10.2	...	...	...	...	...	...	...	...
7	10	...	...	90	5.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	10½	...	...	90	8.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	10¾	...	...	85	6.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	10¾	...	...	60	7.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	10¾	...	...	80	2.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	10	...	...	30	4.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	11½	...	...	75	4.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	10¼	...	...	105	7.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The direction is that from which the cloud travels counting North(0^0), East (90^0), South (180^0). The Velocity-Height Ratio is given in milliradians per sec.

MAURITIUS

ROYAL ALFRED OBSERVATORY

LATITUDE 20°5'39"S., - LONGITUDE $3^h50^m12.6^s$

RESULTS OF MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

DECEMBER, 1941

N.R. Mc CURDY, B.Sc. F.R. MET. SOC.

DIRECTOR

PUBLISHED IN 1965 BY

E.G.DAVY, O.B.E., B.Sc., F.S.S.

DIRECTOR OF METEOROLOGICAL SERVICES, MAURITIUS

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THE DIRECTOR, EAST AFRICAN METEOROLOGICAL SERVICE

TABLE I - RESULTS OF MAGNETICAL OBSERVATIONS MADE DURING THE MONTH OF DECEMBER, 1941

Month and Day 1941	Mean Declination (West)	Mean Horizontal Force (C.G.S. Units)	Mean Vertical Force (C.G.S. Units)	Daily Range + Declination	Daily Range + Horizontal Force (Unit 1)	Daily Range + Vertical Force (Unit 1)	H.R.h. : 10,000	Z.R.z. : 10,000
DEC.	° ′							
1	14°13.8	.22383	.29950	14.5	215	68	482	203
2	15.6	362	940	9.0	55	60	134	164
3	14.0	399	957	8.0	31	14	69	42
4	14.5	411	953	12.0	57	26	128	78
5	14.8	398	955	13.7	39	34	88	102
6	...	...	...	...	..	..	..	..
7	14.8	403	955	10.2	26	24	58	72
8	14.4	402	954	9.3	23	25	52	75
9	14.5	403	953	8.5	161	26	361	78
10	...	...	954	...	...	18	...	54
11	14.3	419	950	7.0	32	27	72	81
12	14.1	424	950	5.8	65	15	146	45
13	...	...	...	...	..	..	..	..
14	14.4	400	959	8.0	54	10	121	30
15	...	...	...	...	..	..	..	..
16	14.1	418	955	5.8	49	17	110	51
17	14.5	420	956	8.5	42	23	94	69
18	14.3	427	952	12.0	43	29	96	87
19	14.2	428	956	12.0	48	35	108	105
20	14.0	424	956	11.5	23	26	52	78
21	14.9	432	952	11.3	16	28	36	84
22	14.5	435	955	8.5	22	19	49	57
23	14.6	437	955	8.8	49	20	110	60
24	15.0	422	962	6.0	33	13	74	39
25	14.8	433	955	8.0	27	28	61	84
26	14.8	428	956	5.5	17	21	38	63
27	...	...	...	...	..	..	..	..
28	14.9	429	958	5.0	39	16	88	48
29	15.3	433	960	4.8	36	13	81	39
30	15.2	433	959	7.2	38	27	85	81
31	15.5	442	961	4.7	46	19	103	57
Mean	14°14.61	.22417	.29955	8.68	49.7	25.0	111.4	75.0

Description of the Principal Magnetic Disturbances

Horizontal Force : 1st 10h . Sudden commencement with an increase of 33 γ of a fairly intense storm culminating in violence between 12h and 20h on 1st. Large fluctuations in the decreasing force with small pulsations superposed. Absolute range 230 γ . Storm subsides to an almost quiet trace after 2h on 2nd.
2nd slightly disturbed.
3rd slightly disturbed at end.
4th very moderately disturbed throughout. Mainly minor irregular features.
5th at end and 6th : slightly disturbed
8th at end and 9th : slightly disturbed
13th and 14th very moderately disturbed. Succession of waves (25-35 γ) during second half of 14th.
15th slightly disturbed.
16th very moderately disturbed during first half; mainly small pulsations superposed on an irregular trace.
17th slightly disturbed in parts
18th moderately disturbed: small pulsations superposed on anirregular trace
19th slightly disturbed
23rd at end and parts of 24th : slightly disturbed
25th small irregular features between 12h and 14h
27th, 28th, and 29th : very slightly disturbed

T = . .37814 : Mean Dip = 53°11.44 : X = .21728 : Y = - .05516 : Z = .29955
+ = The daily range is the difference between the greatest and least hourly values

TABLE II - RESULTS OF ABSOLUTE DETERMINATIONS OF THE MAGNETIC ELEMENTS DURING THE MONTH OF DECEMBER, 1941

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.	° ′	
9. 13. 24	14.10. 3	3. 9. 37	.22405	9.13. 35	53.09.00	.29939
16. 14.27	14.11. 8	6.10. 02	.22407	16.14. 50	53.11.87	.29948
23. 14. 05	14.11. 4	10.11. 57	.22429	23.14. 15	53.08.75	.29941
		13.10. 45	.22536			
		17. 9. 50	.22435			
		22. 9. 32	.22446			
		27.10. 00	.22435			
		31. 9. 39	.22464			
		31. 9. 39	.22464			

TABLE III - MAGNETIC DECLINATION (WEST) AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

DECEMBER, 1941

13° +

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	15.3	16.3	15.0	14.5	16.0		14.5	14.5	14.3	14.5	14.5	14.5		16.5		15.0	Midnight
1	14.5	17.0	14.5	14.3	14.5		14.3	14.0	15.0	14.7	14.7	14.7		16.0		15.5	1
2	14.0	15.5	14.5	14.0	14.7		14.0	14.3	15.3		14.7	14.7		16.5		15.3	2
3	14.3	16.0	14.7	14.5	15.0		14.7	14.3	14.5		15.0	15.0		16.5		16.0	3
4	14.5	15.5	15.0	14.5	15.3	14.5	15.5	15.0	15.5		15.5	15.5		17.0		16.0	4
5	15.0	17.0	15.3	14.7	16.0	15.5	15.7	16.0	16.5		16.0	15.5		17.0		16.3	5
6	15.5	19.0	16.3	16.5	17.0	16.5	16.0	16.5	17.0		16.5	15.5	15.5	18.0	16.0	16.5	6
7	17.0	19.5	16.0	17.0	20.0	19.0	17.5	18.0	17.5		17.0	16.0	16.0	14.0	16.5	16.5	7
8	16.5	20.0	17.5	18.5	21.0	19.5	18.5	18.3	18.0	09.5	17.0	16.0	16.3	13.0	16.5	15.0	8
9	15.0	18.5	16.5	19.5	20.3	19.5	19.7	17.5	18.0	08.0	17.3	16.5	16.3	12.7	15.0	14.5	9
10	15.0	16.7	15.0	19.0	18.0	16.0	19.7	17.0	17.5	06.0	17.5	15.7	16.5	13.0	15.0	13.5	10
11	14.5	15.0	13.0	15.0	13.5	14.0	18.0	16.0	15.0	08.5	14.0	14.0	14.5	13.0	13.7	12.7	11
Noon	11.5	12.5	11.5	09.0	10.5	15.0	14.0	12.5	10.5	13.0	12.3	13.0	12.0	13.5	12.0	13.0	Noon
13	08.5	11.5	10.0	07.5	07.3	08.5	12.0	11.3	10.5	09.0	11.5	12.0	12.0	10.0	13.5	11.5	13
14	03.0	11.0	09.5	08.0	07.5	08.0	09.5	10.0	09.5	09.0	10.5	11.0	12.0	10.5	13.7	11.0	14
15	05.0	12.0	10.0	09.0	10.0	08.5	09.5	09.0	10.0	10.0	11.5	10.7	12.0	13.0	14.0	10.7	15
16	10.0	13.0	11.5	12.0	12.0	09.5	11.7	10.5	12.0	12.0	12.0	11.0	11.0	13.0	13.5	12.0	16
17	13.0	15.5	13.5	15.0	14.0	11.5	13.0	12.0	13.5	14.0	12.5	12.5	10.7	13.5	13.5	13.0	17
18	15.0	16.0	14.7	15.5	15.3	13.7	14.0	14.0	14.5	14.5	14.0	13.5	12.7	14.5	13.5	13.3	18
19	17.0	15.0	14.0	15.0	14.7	14.3	14.0	15.0	14.5	14.3	13.5	14.3	13.5	15.5	14.0	14.5	19
20	17.5	15.5	13.5	14.7	15.0	15.5	14.0	14.3	14.0	14.3	13.5	14.3	13.3	15.3	14.3	14.0	20
21	17.0	16.5	14.7	15.3	15.5	15.3	14.5	15.0	14.5	14.0	13.7	14.3	15.0	14.5	14.3	14.3	21
22	17.0	15.5	15.5	15.7	16.5	15.5	14.5	15.0	14.5	14.0	14.0	14.5	16.0	14.7	14.5	14.5	22
23	16.0	15.3	14.5	16.5	18.0	14.5	14.5	14.0	14.5	14.3	14.5	14.5	17.0	15.5	14.7	14.5	23

13° +

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	14.7	14.7	14.3	14.7	14.5	14.5	15.0	15.0	15.5	15.0		15.0	14.5	15.0	15.3	14.9	Midnight
1	15.0	15.0	14.5	14.5	14.5	14.5	15.0	15.5	15.5	15.0		15.0	15.0	15.0	15.5	14.9	1
2	15.5	14.0	15.5	14.5	14.7	14.7	15.0	15.7	15.0	15.0		15.3	15.5	14.7	16.0	15.9	2
3	15.0	14.0	15.7	15.0	15.3	14.5	15.5	16.3	15.3	15.0		15.5	15.5	14.7	16.0	15.1	3
4	15.0	15.5	16.0	15.6	16.0	14.6	15.5	15.5	15.7	15.5		14.7	14.6	16.0	16.3	15.4	4
5	15.7	16.5	16.5	16.0	16.5	15.5	16.0	16.0	16.0	15.7		15.5	16.0	16.5	16.7	16.0	5
6	17.0	18.0	17.5	16.0	17.0	16.0	16.5	16.0	16.5	16.0	14.0	17.0	17.0	19.0	18.0	16.8	6
7	17.5	18.7	19.0	17.0	20.0	16.5	17.0	16.0	17.0	16.5	14.5	17.5	18.5	19.7	18.7	17.5	7
8	18.5	19.0	18.5	19.0	20.3	17.5	16.5	16.0	16.7	17.0	15.0	17.5	18.3	19.0	17.0	17.7	8
9	17.0	17.0	16.5	17.5	20.0	18.0	18.0	15.7	17.5	16.5	14.7	17.5	17.0	16.5	15.0	17.1	9
10	15.5	15.5	15.5	15.0	19.0	17.5	18.5	17.0	18.0	16.5	16.0	17.0	16.0	15.5	14.3	16.5	10
11	12.0	13.5	12.0	11.5	16.5	16.3	18.0	17.5	18.0	17.5	15.5	15.5	15.0	14.0	14.7	14.8	11
Noon	10.4	14.0	08.5	09.0	13.5	14.5	16.5	16.0	16.5	16.0	15.0	14.0	14.0	13.0	14.7	13.0	Noon
13	10.0	07.0	07.0	07.5	10.5	12.0	14.0	14.0	13.0	14.0	14.0	13.7	14.0	13.7	13.5	15.0	13
14	11.0	09.3	08.0	07.5	09.0	10.0	11.0	12.0	10.3	12.0	10.3	12.0	13.5	13.5	15.0	10.3	14
15	12.5	11.5	09.5	09.5	09.5	09.5	10.0	11.5	10.0	12.0	13.0	12.5	14.7	13.5	14.5	10.8	15
16	14.0	12.7	12.0	11.5	10.7	10.0	09.7	12.0	10.5	12.0	11.5	12.7	14.5	12.5	14.3	11.9	16
17	14.0	13.0	14.3	14.0	13.0	12.0	10.5	13.5	12.0	12.0	12.0	13.0	14.0	13.0	14.0	13.2	17
18	14.0	13.0	15.7	15.0	14.3	14.0	12.0	14.7	13.0	13.5	13.0	14.0	14.0	13.7	14.0	14.2	18
19	14.0	13.7	15.5	15.5	14.3	14.5	13.0	14.3	14.3	13.5	14.5	14.3	14.5	14.7	15.3	14.6	19
20	14.5	13.7	14.7	15.5	14.5	15.0	13.5	14.5	14.5	14.0	14.7	14.0	15.0	14.5	15.5	14.6	20
21	14.5	14.0	14.7	15.0	14.3	15.5	15.0	15.0	14.7	15.0	15.0	14.5	15.5	15.7	16.5	15.0	21
22	15.5	14.5	15.0	15.0	14.7	15.5	14.5	15.5	15.0	15.5	15.5	14.3	15.0	16.0	15.3	15.1	22
234	15.0	14.5	15.3	14.5	14.5	15.0	15.0	15.5	15.5	15.5	15.5	14.5	14.3	15.5	15.3	15.1	23

TABLE IV - MAGNETIC HORIZONTAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS

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

DECEMBER, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	411	327	382	407	380		401	396	400	407	409	415		387		417	Midnight
1	417	335	385	435	399		403	400	395	403	409	416		395		419	1
2	415	347	388	435	393		406	401	391		413	419		405		425	2
3	417	350	389	423	392	415	403	407	405		412	421		397		430	3
4	416	356	391	412	391	405	403	400	400		415	420		401		421	4
5	413	365	391	410	390	415	402	397	405		415	423		415		417	5
6	425	369	395	410	395	405	401	400	410	423	417	427	440	400	410	416	6
7	430	365	397	430	397	415	403	400	417	423	421	435	450	410	410	410	7
8	435	360	401	437	397	403	407	402	413	420	428	441	460	420	407	401	8
9	437	360	403	429	398	410	415	411	409	421	435	448	465	427	403	420	9
10	432	362	409	433	409	403	417	415	420	429	441	459	472	431	411	440	10
11	450	370	413	435	405	409	419	410	425	425	435	460	467	420	410	450	11
Noon	453	371	403	430	399	403	411	407	435	430	430	452	462	412	435	437	Noon
13	430	360	397	432	403	409	395	410	440	437	425	445	455	400	411	421	13
14	455	360	400	420	410	412	398	410	430	425	420	434	452	377	407	417	14
15	400	360	400	400	419	417	393	400	415	423	415	420	445	390	400	409	15
16	360	360	399	390	415	396	415	399	395	415	410	409	440	392	409	440	16
17	355	362	400	385	402	413	395	401	279	405	415	402	430	397	403	411	17
18	277	361	399	389	395	410	401	402	389	400	410	400	410	381	397	414	18
19	240	365	405	391	400	401	397	390	390	411	411	395	405	383	403	410	19
20	257	367	410	392	403	399	400	393	397	391	412	400	391	383	409	407	20
21	300	370	403	389	395	399	401	392	403	400	415	403	373	392	410	417	21
22	290	387	401	388	386	399	399	393	405	405	416	420	370	397	411	410	22
23	310	380	403	380	380	401	397	397	407	409	417	421	385	391	413	413	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	417	410	427	413	425	428	427	431	423	429		420	435	431	431	411	Midnight
1	419	420	431	412	427	432	429	429	423	425		423	435	435	431	415	1
2	419	432	430	417	431	435	431	425	428	426		431	432	441	435	417	2
3	413	432	425	421	435	443	433	421	425	429		435	432	436	430	418	3
4	410	429	429	422	436	447	440	437	423	431		432	441	433	434	418	4
5	439	429	431	423	427	443	449	425	435	433		427	431	433	437	437	5
6	431	431	429	426	439	445	441	420	433	434	441	427	436	437	443	421	6
7	432	429	430	427	441	445	443	435	427	437	435	433	445	439	445	424	7
8	435	425	431	426	441	443	449	436	427	435	432	437	453	440	461	426	8
9	433	415	432	427	440	440	452	431	434	425	435	439	455	440	463	428	9
10	435	420	443	430	437	436	459	436	441	437	435	444	445	455	466	433	10
11	435	435	450	431	436	429	458	433	447	433	429	450	440	453	460	434	11
Noon	422	453	451	432	433	431	453	432	450	427	426	445	425	445	459	431	Noon
13	413	435	443	434	429	437	448	425	450	425	427	435	419	425	447	424	13
14	417	422	441	435	426	436	443	417	450	426	426	425	423	421	443	421	14
15	419	425	435	429	428	438	442	416	440	424	431	415	422	424	445	416	15
16	420	425	433	425	428	439	439	403	437	425	415	415	420	427	441	412	16
17	420	421	423	418	431	431	431	407	430	428	411	420	433	433	439	406	17
18	419	427	403	417	433	431	426	405	431	420	410	423	431	439	439	406	18
19	420	430	408	413	430	437	420	406	428	427	412	417	435	430	435	404	19
20	406	425	411	421	430	431	427	405	429	425	413	411	425	425	431	405	20
21	407	422	412	421	429	427	410	413	424	420	415	425	425	416	420	406	21
22	397	423	412	423	432	423	423	420	427	427	415	426	420	415	430	407	22
23	407	430	410	422	430	424	430	417	429	415	429	429	429	420	433	409	23

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

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

DECEMBER, 1941

29000 + (C.G.S. UNIT)

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	946	924	955	955	959		956	957	956	956	957	953		962		957	Midnight
1	946	923	954	952	954		957	957	957	957	957	954		961		957	1
2	947	921	954	949	954		956	956	957	957	957	954		962		956	2
3	949	921	955	953	956	951	957	956	955	957	957	954		963		957	3
4	950	920	957	954	957	955	957	957	957	957	956	954		964		959	4
5	951	923	958	955	959	959	958	959	956	957	953	957		962		960	5
6	953	927	962	959	963	960	959	959	956	957	957	953	956	960	962	961	6
7	953	927	965	961	962	963	973	963	957	961	959	951	957	955	965	962	7
8	950	920	965	961	970	963	965	965	959	957	960	950	957	954	969	959	8
9	943	906	962	958	963	960	962	962	961	952	957	949	957	956	966	953	9
10	949	957	958	957	954	955	959	962	957	949	949	947	959	961	966	951	10
11	933	943	953	953	942	945	957	957	946	945	940	943	953	963	960	949	11
Noon	924	941	951	945	938	935	950	953	946	945	937	940	949	961	960	947	Noon
13	919	937	953	937	939	929	943	943	935	943	933	940	947	957	961	945	13
14	917	943	955	935	940	927	941	941	947	948	937	941	945	957	961	949	14
15	926	948	957	941	940	933	944	940	941	950	940	945	941	960	959	950	15
16	950	955	960	949	948	939	951	944	949	951	946	947	939	957	957	953	16
17	953	959	961	958	956	944	953	944	956	956	949	951	940	954	955	956	17
18	965	960	960	959	959	947	955	947	957	959	951	951	949	954	957	956	18
19	977	959	957	955	956	949	952	949	953	956	950	952	951	960	957	957	19
20	985	960	954	955	956	955	954	951	952	957	951	953	953	959	957	957	20
21	976	961	955	956	958	957	956	953	952	956	951	953	959	959	957	959	21
22	976	957	957	959	960	957	957	956	953	956	952	954	963	960	957	959	22
23	975	956	955	961	962	955	957	955	954	967	953	955	964	960	957	957	23

29000 + (C.G.S. UNIT)

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	956	956	957	959	957	956	960	962	963	960		960	959	961	961	956	Midnight
1	957	955	957	957	957	955	960	962	962	960		960	959	962	961	956	1
2	956	954	955	956	957	955	960	963	962	961		961	960	961	962	956	2
3	957	953	959	957	956	953	959	963	962	961		961	961	963	963	956	3
4	957	957	959	957	955	953	959	959	961	960		960	961	963	965	956	4
5	959	958	957	958	957	954	958	960	961	960		963	962	965	965	957	5
6	961	961	961	[illegible]	959	954	958	960	961	960	959	966	967	970	969	959	6
7	967	961	965	963	961	959	959	959	960	961	961	965	967	971	970	961	7
8	967	961	967	967	963	961	958	960	959	961	964	961	966	969	965	960	8
9	962	959	963	965	965	961	957	963	959	962	963	960	964	961	961	957	9
10	960	956	959	965	956	962	959	969	961	961	963	962	961	961	961	958	10
11	954	948	941	961	949	955	955	970	960	960	961	961	959	950	960	952	11
Noon	949	936	935	959	943	953	954	963	949	950	953	953	957	945	951	947	Noon
13	945	932	932	949	940	950	957	959	935	944	950	950	957	944	951	943	13
14	943	939	939	941	937	943	951	957	934	941	946	951	959	944	953	943	14
15	949	943	951	942	940	945	941	959	941	941	949	954	961	945	959	946	15
16	951	947	957	943	945	950	945	963	946	946	951	955	961	950	960	951	16
17	953	947	961	950	940	953	951	967	951	950	955	954	957	955	959	954	17
18	953	949	961	954	950	957	953	966	954	957	954	954	954	959	959	956	18
19	953	949	960	957	949	957	954	963	956	957	959	957	954	960	960	956	19
20	956	951	959	956	951	957	957	962	956	956	959	957	957	960	961	957	20
21	959	955	959	956	952	958	961	962	957	956	959	957	961	961	963	958	21
22	959	957	960	957	954	959	961	962	958	957	959	957	960	963	961	959	22
23	959	955	960	957	955	960	961	962	959	959	960	959	960	962	962	959	23

TABLE VI - RESULTS OF METEOROLOGICAL OBSERVATIONS MADE AT THE AEROLOGICAL STATION, VACOAS (424.5 metres above mean sea level) DURING THE MONTH OF DECEMBER, 1941

Month and Day 1941	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
DEC.	mbs	°C	°C	°C	%	mbs	o	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms	mins	hrs	%
1	966.1	24.9	5.4	16.2	59	18.4	CALM		5	18.2	24.2	22.4	19.5	27.0	18.5	8.5	1.4	40	11.2	85
2	967.5	23.9	3.8	17.9	69	20.5	90	3.6	8	19.4	23.5	25.9	20.4	27.1	19.4	7.7	0.6	15	6.5	50
3	967.0	24.1	2.6	20.0	78	23.4	90	2.2	7	19.4	23.8	25.1	20.0	26.0	19.3	6.7	0.6	20	9.0	69
4	967.4	23.7	2.0	20.7	83	24.4	90	2.0	8	19.3	23.4	24.9	20.8	26.4	19.1	7.3	0.1	5	9.2	70
5	968.6	24.6	1.5	22.4	88	27.1	85	4.0	9	20.0	23.9	26.3	20.7	27.4	21.1	6.3	0.2	10	10.6	81
6	968.7	24.3	3.6	18.7	71	21.6	95	4.9	2	20.3	23.8	25.5	21.6	26.7	20.3	6.4	6.0	90	10.2	78
7	967.1	23.6	1.0	22.1	92	26.6	90	4.7	9	21.6	22.7	25.1	21.3	26.4	21.6	4.8	5.5	130	7.2	55
8	965.8	23.4	1.9	20.5	84	24.1	90	5.8	9	21.1	22.8	23.3	19.8	24.8	21.1	3.7	130.3	695	1.4	11
9	967.4	22.1	0.2	21.8	97	26.1	CALM		10	20.0	22.0	22.3	20.0	23.6	19.8	3.8	60.6	480	0.0	0
10	967.7	23.5	1.6	21.1	86	25.0	45	6.0	9	19.5	22.8	22.8	20.7	25.2	19.5	5.7	35.8	230	2.9	22
11	968.5	24.8	3.3	19.8	74	23.1	70	3.6	4	19.6	24.0	25.2	20.4	26.6	19.5	7.1	0.8	40	10.7	81
12	968.7	23.7	2.7	19.5	78	22.7	80	1.8	8	20.2	23.2	25.1	20.8	26.8	20.1	6.7	2.9	35	9.7	73
13	968.6	24.3	3.2	19.4	74	22.5	85	3.1	6	20.0	23.8	25.2	20.7	26.3	20.0	6.3	1.5	25	8.0	60
14	970.1	23.7	2.6	19.6	78	22.8	90	4.0	9	20.0	22.5	24.5	20.2	26.3	19.5	6.8	2.0	65	7.9	60
15	970.4	23.4	1.9	20.5	84	24.1	80	6.3	9	20.0	23.0	24.5	20.5	26.3	19.6	6.7	2.8	50	7.5	57
16	969.5	24.2	3.1	19.5	75	22.7	65	4.9	7	20.2	23.7	25.1	20.3	27.0	20.2	6.8	0.5	15	9.8	74
17	969.4	25.0	4.9	17.2	62	19.6	80	5.4	8	20.2	24.2	24.8	20.2	26.7	19.7	7.0	0.6	10	10.5	79
18	969.4	23.8	2.8	19.4	76	22.5	70	5.2	8	19.1	22.7	25.4	20.3	27.1	19.1	8.0	4.0	35	8.5	72
19	969.8	23.7	2.4	20.0	80	23.4	85	3.6	7	19.8	22.0	25.5	20.7	26.5	19.8	6.7	1.0	45	10.6	80
20	969.1	23.4	3.6	17.6	70	20.1	90	4.7	8	19.2	22.7	24.6	19.7	25.8	19.0	6.8	1.8	42	11.2	84
21	968.5	24.5	3.1	19.8	75	23.1	85	3.1	4	19.1	24.2	24.0	20.9	27.4	19.1	8.3	0.2	15	9.8	74
22	968.6	24.6	4.7	17.1	63	19.5	80	3.6	4	19.7	23.8	25.5	21.3	27.6	19.3	8.3	0.3	10	10.3	78
23	968.1	24.5	2.6	20.5	78	24.1	65	4.9	4	20.4	23.7	25.7	20.5	27.5	20.4	7.1	3.0	65	9.9	75
24	969.0	25.7	3.7	20.1	71	23.5	80	2.5	4	20.0	25.3	26.9	20.5	28.1	20.0	8.1	...	...	11.1	84
25	969.5	26.0	2.9	21.7	78	26.0	CALM		3	19.3	25.5	26.1	22.0	28.8	19.1	9.7	...	...	5.8	44
26	967.4	26.7	4.2	20.4	69	24.0	CALM		6	20.8	25.8	25.6	21.0	28.6	20.8	7.8	0.1	5	5.1	39
27	967.5	25.5	3.0	21.0	76	24.9	CALM		6	19.6	24.7	26.8	20.0	29.0	19.6	9.4	...	...	6.3	48
28	966.8	26.1	3.9	20.2	70	23.7	70	3.6	8	20.2	25.0	25.8	21.1	28.6	20.2	8.4	...	...	10.5	79
29	967.1	25.3	1.8	22.6	85	27.4	80	2.2	6	20.3	23.9	24.4	21.4	27.1	20.2	6.9	0.6	15	8.5	64
30	967.3	24.4	1.9	22.1	87	26.6	60	5.4	9	20.8	23.8	27.2	21.2	28.0	20.6	7.4	1.1	30	10.2	77
31	966.8	24.7	1.9	21.9	85	26.3	85	4.5	8	20.6	23.6	26.5	21.9	27.5	20.6	6.9	5.4	70	7.7	58
Mean	968.2	24.4	2.8	20.0	77.3	23.5	...	3.4	6.8	19.9	23.7	25.1	20.7	26.9	19.9	7.0	269.7	2287	8.35	63.3
Average	966.0	24.4	3.1	19.7	75.2	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	+ 4.6 mbs	Amount of Rain	- 10.9 mms
Temperature of the Air	+ 0.7°C	Duration of Sunshine	+ 1.48 hrs
Vapour Pressure	+ 0.6 mbs	Mean of Maximum Temperatures	+ 2.2°C
Relative Humidity	- 1.7 %	Mean of Minimum Temperatures	+ 1.8°C
Velocity of Wind	+ 0.02 m.p.s.	Absolute Maximum Temperatures	+ 1.5°C
Amount of Cloud	- 2.1	Absolute Minimum Temperatures	+ 1.5°C
Greatest Rainfall Intensity	5.7 mms in 10 mins.		

TABLE VII - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF DECEMBER, 1941

Month and Day 1941	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 Dines Pluviograph	Duration		
DEC.	mbs	mbs	°C	°C	°C	°C	°C	°C	°C	°C	%	%	mbs	°C	mms	min	mms	
1	1007.2	- 1.4	30.2	20.0	10.2	24.8	+ 0.1	4.1	18.4	- 1.2	68	- 5	21.[illegible]	15.2	0.0	...	9.1	3.1
2	1008.5	+ 0.2	30.5	21.9	8.6	25.3	+ 0.5	4.2	18.8	- 0.9	69	- 6	21.7	18.4	0.0	...	6.6	5.0
3	1008.3	+ 0.1	29.5	20.7	8.8	25.0	+ 0.2	3.6	19.5	- 0.2	72	- 1	22.7	16.0	0.5	10	9.5	3.7
4	1008.2	+ 0.1	30.3	21.4	8.9	25.5	+ 0.6	3.9	19.5	- 0.3	69	- 4	22.7	17.6	0.0	...	8.4	3.2
5	1009.7	+ 1.6	30.2	22.0	8.2	25.7	+ 0.8	3.6	20.3	+ 0.5	72	- 2	23.8	19.2	0.9	25	9.0	4.5
6	1009.1	+ 1.1	30.3	22.8	7.5	26.2	+ 1.2	3.8	20.4	+ 0.5	71	- 3	24.0	20.5	0.0	...	9.4	2.7
7	1007.1	- 0.8	30.4	23.4	7.0	26.1	+ 1.1	2.8	22.0	+ 1.9	78	+ 4	26.4	20.5	0.9	50	9.1	5.0
8	1006.0	- 1.8	28.0	21.7	6.3	24.8	- 0.3	1.6	22.5	+ 2.3	87	+ 13	27.3	18.8	76.9	540	7.8	7.2
9	1008.2	+ 0.5	24.9	20.9	4.0	23.1	- 2.0	0.7	22.1	+ 1.9	94	+ 20	26.6	18.1	105.2	960	¥	10.0
10	1009.0	+ 1.4	26.9	20.2	6.7	23.7	- 1.5	1.3	21.8	+ 1.5	89	+ 15	26.1	17.5	44.6	345	¥	8.1
11	1009.3	+ 1.8	28.6	20.9	7.7	24.6	- 0.6	2.7	20.5	+ 0.2	78	+ 4	24.1	18.2	1.6	50	6.4	3.6
12	1009.2	+ 1.8	28.9	21.6	7.3	24.6	- 0.6	2.5	20.8	+ 0.5	79	+ 5	24.6	20.2	7.7	130	7.9	3.9
13	1009.3	+ 1.9	28.9	21.9	7.0	24.8	- 0.4	2.8	20.5	+ 0.2	77	+ 2	24.1	19.5	0.8	40	7.3	3.7
14	1010.9	+ 3.5	28.8	21.3	7.5	24.9	- 0.4	3.1	20.2	- 0.2	75	- 0	23.7	18.4	0.3	10	8.5	4.6
15	1011.2	+ 3.9	28.6	22.4	6.2	25.0	- 0.3	2.9	20.6	+ 0.2	76	+ 1	24.2	20.3	0.2	10	8.1	6.3
16	1010.0	+ 2.7	28.9	22.3	6.6	24.8	- 0.5	2.7	20.7	+ 0.1	78	+ 3	24.4	20.1	3.1	40	7.5	4.7
17	1009.8	+ 2.6	28.4	21.3	7.1	24.6	- 0.8	3.1	19.9	- 0.9	75	- 0	23.2	18.6	3.7	80	8.0	5.0
18	1010.2	+ 3.0	28.6	20.9	7.7	24.6	- 0.8	3.1	19.9	- 0.8	75	- 0	23.2	18.0	0.2	15	8.1	3.7
19	1010.5	+ 3.4	29.0	21.0	8.0	24.9	- 0.5	3.5	19.5	- 1.2	72	- 3	22.7	17.2	0.0	...	8.9	2.6
20	1009.9	+ 2.8	28.6	21.6	7.0	24.5	- 0.9	4.3	17.7	- 3.0	66	- 10	20.2	17.8	0.0	...	7.9	2.5
21	1009.3	+ 2.2	29.1	21.4	7.7	25.0	- 0.5	3.7	19.3	- 1.5	71	- 5	22.4	19.1	0.5	20	9.2	3.6
22	1008.9	+ 1.9	29.1	21.6	7.5	25.4	- 0.1	3.6	19.9	- 0.9	71	- 5	23.2	19.0	1.4	60	9.0	5.5
23	1009.1	+ 2.1	29.2	22.9	6.3	25.5	0.0	2.9	21.2	+ 0.4	77	+ 1	25.2	20.4	0.9	60	7.9	4.6
24	1010.1	+ 3.2	29.2	21.7	7.5	25.3	- 0.3	3.2	20.4	- 0.5	74	- 2	24.0	18.1	0.0	...	8.4	2.2
25	1008.9	+ 2.0	30.1	20.9	9.2	25.4	- 0.2	3.1	20.7	- 0.4	75	- 1	24.4	17.1	0.0	...	8.8	6.2
26	1007.8	+ 0.9	30.1	22.9	7.2	25.9	+ 0.3	3.0	21.4	+ 0.3	76	0	25.5	19.5	0.0	...	7.8	3.7
27	1007.8	+ 1.0	30.3	20.9	9.4	25.5	- 0.1	3.3	20.6	- 0.5	74	- 2	24.2	17.3	0.0	...	8.1	2.7
28	1007.6	+ 0.8	30.0	22.5	7.5	25.9	+ 0.3	3.5	20.6	- 0.5	72	- 4	24.2	19.3	0.0	...	8.4	5.2
29	1008.0	+ 1.3	29.9	22.6	7.3	25.6	0.0	3.0	21.1	- 0.1	76	0	25.0	19.7	0.5	5	9.7	6.8
30	1007.8	+ 1.2	29.1	22.7	6.4	25.4	- 0.3	3.0	20.8	- 0.4	76	0	24.6	20.4	0.1	5	6.6	5.5
31	1007.1	+ 0.5	29.0	22.7	6.3	25.0	- 0.7	1.8	22.3	+ 1.1	85	+ 9	27.0	20.4	8.8	145	6.7	6.0
Mean	1008.8	+ 1.4	29.1	21.7	7.4	25.1	- 0.2	3.1	20.5	0.0	75.6	+ 0.7	24.1	18.7	Sum 258.8	Sum 2600	8.2	4.7
Average	1007.4	...	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, 1941

The Meteorological conditions were on the whole settled during the month with pressures markedly above the normal.

A trough of low pressure associated with a weak tropical disturbance moved, however, over Mauritius on the 9th and the heavy, thunderysshowers, associated with it,brought the monthly falls very high. The Royal Alfred Observatory thus registered 223% of the normal rain amount although the falls were insignificant outside the period 8th - 10th.

¥ Evaporometer overflowed

TABLE VII (Cont'd) - DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS MADE DURING THE MONTH OF DECEMBER, 1941

Month and Day 1941	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	3h–6h	6h–9h	9h–12h	12h–15h	15h–18h	18h–21h	21h–24h
DEC,	hrs	%	m.p.s.	m.p.s.	°C	°C	°C	°C								
1	7.0	59	2.6	- 0.7	24.67	25.4	27.4	27.5		b		bc		c	bc	b
2	8.8	67	3.4	+ 0.1	24.8	25.4	27.5	27.6				bc				
3	10.6	80	3.9	+ 0.6	24.7	25.4	27.5	27.4		b		bc	bcro	bc	b	
4	11.3	86	3.6	+ 0.3	24.7	25.3	27.5	27.8		b			bc			b
5	10.0	76	3.5	+ 0.2	24.6	25.4	27.6	27.7	b	bcro	bc	bcro	bc		bcro	b
6	12.1	92	4.2	+ 0.9	24.6	25.4	27.7	28.1		b		bc			b	
7	9.8	74	4.3	+ 1.0	24.6	25.5	27.8	28.3	bcro	cro	bc	bcro	bc		b	
8	4.0	30	5.4	+ 2.1	24.6	25.6	27.9	28.3		b	bcro	cq	oqroro		oRRtsm	
9	0.0	0	3.0	- 0.3	24.5	25.6	28.2	26.4	oro	orotl	ogR		or		oRR	
10	3.8	29	3.6	+ 0.2	24.7	26.1	27.5	25.1	oRR		c	cqR	o	c	bc	
11	12.1	91	3.5	+ 0.1	24.7	26.1	27.1	25.8	bcro	b	b	bro	bcqo		bcro	bro
12	11.6	87	3.2	- 0.2	24.8	25.9	27.1	26.8		bcr	bcro		bc			bro
13	11.3	85	3.4	0.0	24.6	25.9	27.2	27.3	bcro	bro	bcro	bc		bcro		bro
14	11.9	89	3.8	+ 0.4	24.5	26.0	27.4	27.7		b		bqo	cqo		bc	bro
15	8.4	60	4.4	+ 1.0	24.6	25.9	27.5	27.8	bc	bcro	bc	cqo		c	bc	b
16	10.2	77	3.7	+ 0.3	24.6	26.0	27.6	28.0		bc		c		cro	bcro	bro
17	9.8	74	2.9	- 0.5	24.5	25.9	27.7	27.7	bo	bro	bcro		bc		bcro	
18	11.8	89	3.1	- 0.3	24.6	25.7	27.8	27.8	b	bcro			bc		bcR	bro
19	12.6	95	3.3	- 0.1	24.6	25.7	27.9	27.9	b			bc		b		
20	12.6	95	3.8	+ 0.4	24.7	25.8	27.8	28.0	b			bc		b		bo
21	11.8	89	3.4	0.0	24.6	25.9	28.0	28.0	b	bcro		bc		b		bcro
22	11.7	88	3.2	- 0.2	24.7	26.0	28.0	28.2	bcro	bc		b		bc	c	cro
23	10.6	80	3.2	- 0.2	24.7	26.0	28.0	28.4	oro	bc	bcro	bc			b	
24	12.3	92	3.0	- 0.4	24.8	26.0	28.3	28.5		b		bc		b		
25	8.2	62	2.3	- 1.1	25.0	26.0	28.3	28.5		b		bc	c		o	
26	12.5	94	2.4	- 1.0	24.6	26.0	28.4	28.7		b		bc		b		bo
27	11.9	89	2.4	- 1.0	24.7	26.0	28.5	28.8	b		bc			b		
28	10.4	75	3.2	- 0.1	24.4	26.1	28.6	29.0		b		bc			c	
29	9.0	68	3.4	+ 0.1	24.7	26.0	28.7	29.1		bc			c	oro	bc	b
30	10.2	77	3.5	+ 0.2	24.7	26.1	28.7	29.0	b	bcro	bc	c		bc		
31	5.9	44	3.4	+ 0.1	24.7	26.1	28.7	28.9	b	bc	cro		bcro	cro	bc	bcro
Mean	9.83	74.2	3.42	+ 0.06	24.65	25.81	27.87	27.87								
Average	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, 1941

Element	Highest	hrs	date	lowest		date
Atmospheric Pressure	1012.3 mbs	at 22.00 & 09.00	on 14th & 15th	1004.0 mbs	at 16.00	on 8th
Temperature of the Air	30.5°C		on 2nd	20.0°C	at 05.15	on 1st
Daily Range of Temperature of the Air	10.2°C		on 1st	4.0°C		on 9th
Temperature of the Dew Point	24.6°C	at 14 & 16 hrs	on 8th	15.0°C	at 14.00	on 20th
Daily Range of Temperature of the Dew Point	...		...	...		...
Minimum on grass				15.2°C		on 1st
Relative Humidity	98.2 %	at 09.00	on 9th	45.6 %	at 13.00	on 2nd
Vapour Pressure	31.0 mbs	at 14 & 16 hrs	on 8th	17.1 mbs	at 14.00	on 20th
Evaporation in 24 hrs.	9.7 mms		on 29th	6.4 mms		on 11th
Wind Velocity	8.5 mps	at 10.00	on 8th	0.8 mps	at 23.00	on 25th
Rainfall in 24 hrs.	144.9 mms	ending 05.00	on 10th			
Duration of Sunshine	12.6 hrs		on 19th & 20th	0.0 hr		on 9th

Mean Day Temperature of Air 27.14°C Average 27.39°C Mean Night Temperature of Air 23.02°C Average 23.68°C

NUMBER OF DAYS OF

Mean Cloud Amount: 0	1 - 3	4 - 6	7 - 9	10	Rainfall: 0.1 - 0.9 mms	1.0 - 4.9 mms	5.0 - 9.9 mms	10.0 - 24.9 mms	25.0 & over mms	Lightning	Thunderstorm
...	7	20	3	1	11	4	2	...	3	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)

DECEMBER, 1941

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

Hour \ Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Hour \ Day
Midnight	076	091	099	081	098	110	089	070	071	097	097	101	098	109	116	111	Midnight
1	071	084	092	080	091	102	083	064	070	089	090	096	091	106	111	107	1
2	066	079	087	076	087	098	078	058	073	080	087	090	090	101	104	101	2
3	061	077	081	072	083	092	076	053	071	070	086	087	088	100	101	100	3
4	062	079	080	071	086	092	071	054	071	078	083	089	087	101	101	100	4
5	062	080	081	073	088	093	074	055	074	081	090	090	088	105	105	100	5
6	066	089	083	080	091	098	080	061	077	088	094	096	090	110	110	101	6
7	071	091	087	081	098	101	080	066	087	090	100	101	096	114	118	103	7
8	072	092	089	082	100	101	081	068	090	094	101	103	100	119	121	105	8
9	073	091	089	083	101	101	081	069	091	096	102	103	101	120	123	104	9
10	073	091	090	083	101	100	080	063	090	096	102	101	100	119	122	101	10
11	071	090	087	083	100	097	076	060	090	095	100	099	094	115	121	100	11
Noon	070	081	081	081	094	093	072	052	089	090	093	092	090	111	119	100	Noon
13	065	076	077	080	091	088	066	048	079	090	090	089	086	104	116	097	13
14	061	075	074	076	090	081	061	044	077	088	084	081	082	100	110	091	14
15	059	073	071	072	086	079	056	041	071	083	081	078	080	096	107	087	15
16	060	071	070	071	087	076	053	040	071	081	080	075	080	095	101	086	16
17	062	073	072	076	090	076	057	043	076	083	084	077	082	099	101	087	17
18	071	080	077	081	097	079	060	049	078	090	089	081	089	102	105	090	18
19	079	087	080	090	104	085	066	059	084	095	093	088	098	111	112	092	19
20	084	092	082	093	111	088	070	066	090	100	100	091	101	117	115	100	20
21	090	098	086	097	115	091	071	080	091	100	104	100	108	120	116	108	21
22	094	102	089	100	115	090	071	091	096	101	107	101	110	123	119	111	22
23	092	101	086	101	114	089	072	087	098	100	104	100	108	122	116	111	23

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

Hour \ Day	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	Hour \ Day
Midnight	109	105	113	109	109	100	093	106	108	091	083	089	087	089	080	096	Midnight
1	103	101	110	101	101	097	091	101	100	085	078	080	080	081	073	091	1
2	100	096	102	098	096	091	086	100	099	080	072	073	072	078	071	086	2
3	092	091	100	091	090	089	083	100	095	076	070	069	070	075	069	083	3
4	091	093	100	090	087	087	082	100	091	072	069	067	070	074	063	082	4
5	092	099	104	091	089	086	085	101	090	074	071	066	071	075	066	084	5
6	100	101	109	095	090	091	090	103	095	080	079	070	071	080	070	088	6
7	105	106	110	101	092	100	099	109	098	082	083	073	080	081	077	093	7
8	109	110	114	103	098	101	100	110	097	086	086	079	080	081	077	095	8
9	110	110	116	105	100	101	098	110	094	085	089	080	081	083	080	096	9
10	108	110	115	106	100	100	097	109	096	085	090	080	081	085	079	095	10
11	103	109	114	105	099	092	091	107	093	082	086	078	081	083	074	093	11
Noon	101	105	108	101	091	090	089	103	084	079	079	074	081	081	071	089	Noon
13	097	101	102	099	090	085	086	097	081	072	071	072	078	080	068	085	13
14	090	098	099	091	087	079	082	091	078	069	069	069	071	074	062	080	14
15	085	090	092	089	081	072	081	087	071	063	061	061	070	070	060	076	15
16	080	088	091	086	080	071	080	086	069	061	063	060	070	066	057	074	16
17	081	088	093	089	081	072	082	087	070	063	067	063	073	066	060	077	17
18	086	091	098	091	086	080	086	090	072	070	071	073	080	079	063	081	18
19	091	100	101	100	092	083	091	099	081	076	080	081	089	075	070	088	19
20	099	103	108	101	099	087	100	107	086	082	086	089	091	081	074	093	20
21	102	110	110	106	100	091	102	109	091	084	090	091	097	084	074	097	21
22	107	114	112	110	102	096	106	111	096	085	090	095	099	085	079	100	22
23	106	114	112	111	102	096	107	111	093	086	091	090	094	084	080	099	23

TABLE IX - AMOUNT OF CLOUD AT EVERY HOUR OF THE DAY (0- CLEAR SKY, 10 - OVERCAST SKY)

Hour \ Day	DECEMBER, 1941																															
	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	Mean
Midnight	0	1	4	2	0	1	1	1	10	10	6	4	2	1	7	0	7	1	0	1	1	5	10	1	2	5	1	0	7	3	3	3.1
1	0	5	0	1	1	1	3	2	10	10	8	5	6	1	8	0	5	1	1	1	1	6	10	1	2	3	1	0	7	3	3	3.4
2	0	5	1	1	1	1	4	2	10	10	6	6	6	1	6	0	2	1	2	1	1	7	8	1	2	2	1	0	7	3	3	3.3
3	0	6	2	1	2	1	6	2	10	10	1	1	5	1	4	0	1	1	2	1	1	7	6	1	3	2	1	1	7	3	3	3.0
4	0	6	2	1	8	1	6	2	10	10	1	1	3	1	5	0	1	1	3	1	7	7	6	1	2	2	1	1	7	3	4	3.4
5	1	7	2	2	6	2	10	2	10	10	1	6	3	1	6	1	4	6	3	1	7	5	7	1	2	3	6	2	7	5	5	4.3
6	2	7	2	2	4	2	8	2	10	7	3	2	3	1	7	1	7	6	3	3	6	4	8	1	3	3	6	2	6	7	6	4.3
7	2	7	2	2	5	2	5	2	10	7	3	2	4	1	7	1	7	6	3	3	5	4	8	1	3	3	6	2	6	7	7	5.1
8	3	5	2	3	6	3	6	6	10	9	4	5	5	4	7	4	7	5	4	5	4	3	6	3	3	4	6	4	7	8	1	5.1
9	4	4	3	6	8	3	7	9	10	10	4	7	8	7	7	7	8	5	5	5	3	2	5	5	4	7	6	7	7	7	9	6.1
10	4	4	5	5	9	3	7	9	10	8	5	7	6	7	8	9	5	5	4	7	3	2	5	5	5	6	6	6	7	8	8	6.1
11	4	5	8	5	7	5	8	9	9	10	6	6	4	7	9	7	6	5	4	7	3	4	5	8	7	4	6	7	8	8	3	6.4
Noon	4	6	8	5	6	6	7	10	10	10	4	6	5	8	10	6	6	5	3	7	4	4	4	4	9	7	4	5	8	8	8	6.0
13	5	5	6	6	5	5	6	10	10	10	4	5	5	8	9	6	6	6	3	5	5	3	5	4	9	6	3	6	8	6	6	6.0
14	6	4	5	5	5	5	5	10	10	10	4	5	5	8	9	7	5	6	4	3	5	3	5	3	9	7	2	6	8	6	6	5.8
15	7	5	6	5	6	5	5	10	10	10	4	5	5	8	9	6	5	6	4	3	5	3	4	2	8	7	2	6	8	7	7	5.9
16	7	4	6	4	5	4	6	10	10	10	4	4	3	8	8	6	6	5	3	2	3	4	3	2	8	6	2	7	8	6	8	5.5
17	8	4	6	3	3	3	8	10	10	9	5	4	1	8	8	7	8	4	3	1	2	5	3	2	8	5	1	8	10	6	9	5.5
18	8	2	6	4	3	3	10	10	8	5	4	1	7	8	8	8	4	3	1	2	8	3	2	8	3	1	10	10	5	9	7	5.4
19	5	2	6	4	10	2	2	10	10	6	6	4	1	6	6	7	8	3	1	1	3	9	1	2	10	2	1	9	9	4	10	5.2
20	1	6	2	4	3	2	2	10	10	4	1	2	2	4	2	6	6	3	1	0	4	9	1	2	10	1	1	9	5	7	4	4.0
21	1	8	2	1	2	2	2	10	10	2	1	1	2	3	2	4	2	2	1	0	4	9	1	2	10	0	1	9	3	5	4	3.4
22	1	6	2	2	1	2	2	10	10	3	1	1	2	3	2	8	2	2	1	0	4	9	1	1	10	0	1	8	3	4	4	3.4
23	1	4	2	2	1	1	1	10	10	4	1	1	2	3	2	8	2	1	1	0	2	9	1	1	10	0	1	8	3	3	4	3.2

TABLE X - DURATION OF BRIGHT SUNSHINE AT EVERY HOUR OF THE DAY AS RECORDED BY THE CAMPBELL-STOKES SUNSHINE RECORDER

Hour Ending \ Day	DECEMBER, 1941																															
	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	9	0	8	0	0	4	0	3	0	0	11	1	0	1	0	0	0	17	7	2	0	0	0	0	24	17	12	0	3	0	0	2.0
7	60	3	59	35	20	57	48	30	0	1	52	32	26	49	25	49	34	60	59	57	48	41	29	53	56	59	58	58	60	15	0	20.6
8	60	38	60	42	60	60	60	44	0	1	47	45	46	50	49	49	60	45	60	60	60	51	15	60	60	60	60	60	60	41	37	25.5
9	60	47	60	60	43	60	60	59	0	2	60	60	52	60	60	58	60	60	60	60	60	50	45	60	60	60	60	44	60	60	4	26.3
10	60	33	60	60	21	60	60	43	0	12	60	60	60	60	60	60	60	60	60	53	60	60	60	60	60	60	60	11	60	52	60	26.7
11	60	2	60	60	40	60	60	21	0	36	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	55	45	27.3
Noon	60	32	59	60	48	60	11	6	0	45	60	60	60	60	31	60	60	60	60	60	60	60	60	60	36	60	60	60	48	40	6	25.0
13	60	59	44	60	60	60	40	0	0	22	60	60	60	60	50	60	17	60	60	60	60	60	60	60	44	60	60	60	52	60	18	25.8
14	29	60	59	56	60	60	60	4	0	2	60	60	60	60	40	60	55	60	60	60	60	60	60	60	22	60	60	60	60	60	38	26.1
15	9	60	60	57	60	60	60	14	0	27	60	60	60	60	13	60	60	60	60	60	60	60	60	60	45	60	60	60	60	60	48	26.5
16	0	60	60	60	60	60	54	9	0	2	60	60	60	60	15	45	60	32	60	60	60	60	60	60	18	58	60	60	13	60	60	24.1
17	0	60	40	60	60	60	29	9	0	51	60	60	60	60	54	40	19	60	60	60	60	60	60	60	2	60	60	60	3	50	34	23.5
18	0	60	10	58	55	59	38	0	0	23	43	60	60	60	42	11	33	60	60	60	60	60	60	60	4	60	41	32	2	44	1	20.3
19	00	14	0	11	9	7	5	0	0	0	30	22	17	10	6	4	13	13	27	29	1	19	15	28	0	15	0	0	0	15	0	5.2

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, 1941

Day / Hour	1		2		3		4		5		6		7		8		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	21.2	2.0	23.3	2.4	21.9	1.9	23.5	1.9	23.5	2.1	23.6	1.8	24.2	1.8	24.3	1.7	Midnight
1	21.0	2.0	22.9	2.3	21.3	1.7	23.4	1.7	23.0	1.7	23.0	1.7	24.1	1.4	24.2	1.9	1
2	20.5	1.8	22.9	2.2	21.1	1.9	22.9	1.4	22.9	1.6	23.2	1.3	23.9	1.3	24.1	1.9	2
3	20.1	1.5	23.2	2.4	20.9	1.7	22.1	1.3	22.8	1.6	23.0	1.1	23.9	1.3	24.2	2.0	3
4	20.1	1.6	22.7	2.4	20.7	1.6	21.9	1.4	22.4	1.4	23.0	1.1	23.9	1.2	24.1	1.3	4
5	20.0	1.4	22.0	1.9	21.6	1.6	21.6	1.4	22.3	1.2	23.3	1.3	23.4	1.0	24.0	1.5	5
6	21.8	1.8	23.0	2.0	22.8	2.6	21.6	1.4	22.6	1.4	23.6	1.4	24.2	1.2	24.2	1.9	6
7	24.9	3.2	24.1	2.4	25.2	3.7	24.6	2.7	25.1	1.9	25.1	1.0	25.5	3.2	25.6	1.9	7
8	26.6	4.8	26.3	4.3	27.5	4.7	26.8	4.6	26.7	3.8	26.8	4.2	26.7	2.9	25.9	2.6	8
9	27.9	5.9	28.0	6.0	28.3	5.9	27.2	5.2	28.0	5.1	28.3	5.8	28.2	4.1	27.1	4.2	9
10	28.1	6.1	27.2	5.6	28.8	6.1	28.2	5.8	28.0	4.7	29.0	6.3	29.3	5.2	27.0	3.8	10
11	29.0	7.0	28.1	6.1	29.0	6.3	29.0	7.0	28.3	5.8	29.3	6.5	27.7	3.9	26.8	3.1	11
Noon	28.7	6.8	28.6	6.5	28.6	5.6	29.3	7.4	29.7	6.9	30.0	7.3	29.0	4.8	27.0	3.0	Noon
13	29.3	7.2	29.7	8.2	28.3	5.4	29.2	6.7	29.9	7.3	30.0	7.5	29.9	5.9	25.5	0.9	13
14	27.9	6.2	29.4	8.0	28.5	5.9	28.2	5.6	29.8	6.9	30.1	7.1	30.0	5.9	26.0	1.0	14
15	27.4	6.2	28.4	7.0	27.8	5.5	29.2	7.1	29.0	6.4	29.8	6.9	29.4	5.3	25.1	0.8	15
16	26.9	5.6	28.7	7.7	28.1	6.1	28.5	6.7	28.9	6.3	28.3	5.3	27.7	4.2	26.2	1.1	16
17	26.3	5.2	27.7	5.6	26.1	4.1	27.6	6.1	28.2	6.1	27.9	5.8	26.6	2.9	25.7	1.4	17
18	25.8	5.1	26.0	4.8	25.0	3.1	26.1	4.5	25.7	3.2	26.6	4.3	26.3	3.2	25.0	0.9	18
19	24.8	3.8	24.6	3.8	23.8	2.3	24.9	3.4	25.0	2.5	25.4	3.4	25.0	2.2	24.3	0.7	19
20	24.0	3.0	23.7	3.0	23.8	2.3	24.1	2.9	24.3	2.2	24.9	2.7	25.1	2.1	23.1	0.3	20
21	24.0	3.0	23.4	2.7	23.6	2.3	23.8	2.6	23.9	2.0	24.7	2.1	24.7	1.7	23.0	0.4	21
22	24.3	3.4	22.9	2.4	23.4	2.1	23.6	2.3	23.7	2.0	24.5	2.0	24.4	1.5	23.0	0.4	22
23	24.3	3.4	22.2	2.1	23.4	2.0	23.6	2.3	23.7	2.0	24.3	2.0	24.3	1.7	22.1	0.4	23

Day / Hour	9		10		11		12		13		14		15		16		Day / Hour
	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	Air	Excess of air over Evap.	
Midnight	22.4	0.5	22.0	0.2	23.5	1.4	22.6	1.3	22.6	1.0	22.3	1.1	22.7	1.2	23.3	2.2	Midnight
1	23.0	0.8	22.0	0.2	23.2	1.4	22.2	1.0	22.3	1.0	22.1	1.1	22.9	1.2	23.5	2.2	1
2	23.0	0.9	21.2	0.6	22.7	1.1	22.2	0.7	22.1	0.9	22.0	1.1	22.9	1.1	23.5	2.5	2
3	22.2	1.0	21.9	0.2	21.8	1.4	21.9	0.9	21.9	0.9	21.7	1.0	22.7	1.0	22.5	1.6	3
4	22.6	1.0	22.0	0.2	21.0	1.0	21.9	0.9	22.0	0.9	21.3	1.0	22.7	1.0	22.5	1.6	4
5	22.8	0.8	22.0	0.2	20.9	0.9	22.0	0.6	22.1	1.0	21.4	1.1	22.4	1.0	22.9	1.9	5
6	23.5	0.6	22.0	0.2	22.1	1.3	22.0	0.6	22.1	1.0	22.0	1.4	22.5	1.3	23.0	2.0	6
7	23.8	0.7	23.6	0.3	23.2	1.8	23.6	0.7	24.3	1.3	24.4	2.1	23.9	1.9	25.0	2.9	7
8	24.3	0.4	23.3	0.4	25.9	3.3	23.0	0.9	24.9	2.5	26.1	3.1	25.7	3.0	26.1	3.9	8
9	22.8	0.2	23.6	0.6	27.0	4.2	26.0	2.8	27.1	4.0	27.1	4.4	26.1	3.4	27.1	4.1	9
10	23.3	0.5	24.0	0.7	27.3	4.1	26.7	3.6	27.9	4.3	27.9	5.4	27.1	4.5	27.3	4.2	10
11	24.0	0.8	25.6	1.6	27.9	4.9	27.7	4.6	28.0	4.7	28.2	5.5	28.1	5.5	[illegible]	4.8	11
Noon	24.1	0.8	25.9	2.6	28.1	5.0	28.1	5.0	28.1	4.7	28.1	5.3	27.3	4.6	28.0	4.8	Noon
13	24.6	1.1	25.7	2.5	28.1	5.0	28.1	5.7	28.1	5.0	28.1	5.3	28.0	5.2	28.3	5.2	13
14	24.6	1.0	26.2	2.5	28.1	5.0	28.3	5.5	28.3	5.7	28.1	5.3	27.1	4.4	27.3	4.3	14
15	23.6	0.9	25.8	2.5	27.4	4.7	28.0	5.2	28.0	5.5	28.0	5.1	27.1	4.4	27.1	4.0	15
16	22.8	0.8	25.3	2.2	27.0	4.6	27.2	4.4	27.4	4.9	27.6	5.0	26.8	4.0	25.9	3.3	16
17	23.1	0.7	25.3	3.2	26.0	4.0	26.9	4.3	26.7	4.6	26.3	4.1	26.1	3.8	24.6	1.6	17
18	22.7	0.6	25.0	2.7	25.1	3.5	25.6	3.1	25.3	3.2	25.7	4.0	25.6	3.3	24.6	2.0	18
19	23.0	0.5	24.1	1.8	23.8	1.8	24.3	1.9	24.1	2.7	24.8	3.4	24.9	2.7	23.3	1.2	19
20	22.7	0.5	23.9	1.7	23.2	1.3	23.3	1.3	23.7	1.9	24.1	2.8	24.2	2.2	23.0	1.2	20
21	22.3	0.6	23.2	1.5	22.6	1.4	22.9	1.4	23.1	1.8	23.8	2.6	24.1	2.3	23.0	1.8	21
22	22.1	0.7	23.1	1.3	22.5	1.3	23.0	1.4	22.5	1.5	23.8	2.2	24.[illegible]	2.4	23.1	1.5	22
23	22.0	0.7	23.2	1.1	22.6	0.9	22.8	1.2	22.3	1.3	23.1	1.2	23.8	2.3	22.9	1.1	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, 1941

Day / Hour	17		18		19		20		21		22		23		24		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	22.7	0.8	21.3	1.3	22.0	1.5	21.8	1.9	22.3	2.5	22.2	1.6	23.6	1.4	23.7	1.9	Midnight
1	22.2	1.0	21.2	1.2	22.3	1.0	22.0	1.8	22.0	2.2	22.1	1.4	23.9	1.0	23.0	1.7	1
2	22.2	0.8	20.9	1.7	21.9	1.5	22.1	1.6	21.9	2.3	22.0	1.2	23.3	1.1	22.3	1.3	2
3	22.0	1.1	21.2	1.1	21.4	1.3	22.2	1.4	21.9	2.2	22.4	1.3	23.0	1.1	22.1	1.2	3
4	21.8	1.1	21.6	1.4	21.6	1.4	22.0	2.0	21.9	2.1	22.2	1.5	23.0	1.1	22.0	1.2	4
5	22.0	1.0	21.7	1.0	21.2	1.2	21.8	2.1	21.7	2.7	22.1	1.1	23.0	1.1	21.9	1.1	5
6	22.0	1.2	22.8	1.6	22.0	1.6	21.9	2.3	21.7	1.3	22.2	1.2	23.7	1.4	22.1	1.1	6
7	24.6	1.9	24.4	2.2	24.6	2.7	24.6	3.5	24.2	2.1	24.1	2.1	25.0	2.0	24.9	2.0	7
8	25.4	3.4	25.4	2.7	26.1	4.1	25.9	4.7	26.0	3.8	25.3	3.0	24.6	1.5	26.0	3.0	8
9	26.4	4.0	26.8	4.6	27:2	5.0	25.9	4.9	27.1	5.5	27.1	5.1	26.9	3.7	27.6	4.7	9
10	27.2	4.9	27.6	5.0	28.0	6.0	27.2	5.9	27.0	5.1	28.1	6.6	27.7	4.5	28.1	4.9	10
11	27.8	5.6	27.9	5.1	28.3	5.9	27.3	6.0	28.7	6.9	28.3	6.2	28.1	4.9	28.3	5.0	11
Noon	27.8	5.6	27.7	5.0	28.6	6.6	28.1	7.2	28.6	5.8	28.5	5.4	28.5	5.2	28.7	5.7	Noon
13	27.1	5.4	28.0	5.1	28.1	5.6	28.0	7.7	28.6	6.0	28.9	6.4	28.3	5.0	28.6	5.6	13
14	27.7	5.4	28.0	5.7	28.5	6.2	28.0	7.9	28.5	6.0	28.9	6.3	28.2	4.9	29.0	5.5	14
15	28.2	6.2	28.1	6.2	27.8	5.4	27.6	6.7	28.3	5.4	28.8	6.1	28.2	5.0	28.7	5.9	15
16	27.0	5.1	27.3	5.3	27.8	5.1	27.0	6.8	27.1	5.4	27.7	5.1	27.7	4.2	28.2	5.5	16
17	25.9	4.8	26.9	4.7	26.9	4.8	26.7	6.7	27.0	5.6	27.1	4.9	27.2	4.5	27.6	5.1	17
18	25.3	4.0	25.9	3.9	26.0	4.3	25.6	5.7	26.0	4.2	26.3	4.2	26.2	3.4	26.1	3.8	18
19	24.6	3.2	24.3	2.6	24.7	3.4	24.1	4.6	24.9	3.1	25.5	3.6	25.2	3.0	25.0	2.9	19
20	23.7	2.0	23.3	2.1	23.8	2.8	23.0	3.7	24.1	2.4	25.1	3.2	24.9	2.8	24.3	2.3	20
21	22.6	1.4	22.9	1.9	23.1	2.3	22.1	2.9	24.0	2.2	25.1	3.0	24.1	2.1	23.2	1.7	21
22	22.3	1.3	22.9	1.9	23.1	2.2	21.8	2.6	23.8	1.8	24.6	2.6	24.0	1.9	22.9	1.7	22
23	21.5	1.4	22.1	1.6	23.5	2.3	21.9	2.5	23.0	1.8	24.3	2.1	24.1	2.0	22.6	1.7	23

Day / Hour	25		26		27		28		29		30		31		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	24.2	1.5	22.5	1.4	23.0	1.5	24.2	2.3	23.2	1.2	22.7	1.4	22.8	1.5	Midnight
1	21.5	1.3	23.8	1.6	22.0	1.3	22.6	1.4	24.0	2.1	23.1	1.2	22.9	1.4	22.7	1.5	1
2	21.8	1.2	23.9	1.3	21.5	1.2	22.7	1.4	23.9	1.9	23.0	1.1	22.9	1.2	22.5	1.4	2
3	21.7	1.5	23.1	1.1	21.3	1.1	22.8	1.3	23.6	1.6	23.0	1.3	23.1	1.2	22.3	1.3	3
4	21.3	1.1	22.9	1.1	21.2	1.1	23.0	1.2	23.0	1.8	22.9	1.3	23.1	1.1	23.2	1.3	4
5	21.1	1.1	23.0	1.1	21.3	1:1	22.6	1.3	22.7	1.6	23.7	1.5	23.2	1.2	22.2	1.3	5
6	21.2	1.1	23.6	1.4	22.0	1.2	22.6	1.2	23.1	1.1	23.2	1.6	23.8	1.1	22.6	1.4	6
7	24.0	1.1	26.1	2.4	24.8	1.9	25.7	2.3	25.9	2.8	24.1	1.8	23.5	1.0	24.6	2.4	7
8	26.1	3.1	27.1	3.4	26.8	3.8	26.9	3.4	27.1	3.8	25.6	2.4	24.4	0.7	25.8	3.0	8
9	27.6	4.6	28.1	4.2	27.8	4.8	27.5	4.4	27.2	3.6	26.8	3.7	25.0	1.0	26.9	4.1	9
10	28.3	4.8	28.7	4.4	28.3	5.1	28.0	4.8	27.7	3.9	27.9	4.5	27.6	3.5	27.6	4.7	10
11	28.4	5.6	28.7	4.6	29.1	5.8	28.8	5.8	28.3	4.5	28.7	5.1	27.7	4.0	28.0	5.1	11
Noon	29.3	5.9	28.8	4.8	29.8	6.5	29.7	6.8	28.8	6.2	29.0	5.3	26.1	1.9	28.3	5.3	Noon
13	29.0	6.0	29.3	5.3	30.1	6.4	29.5	7.2	28.9	5.5	29.1	5.7	28.0	4.0	28.4	5.5	13
14	28.6	5.5	29.0	5.0	29.7	6.1	29.3	7.2	28.3	4.6	29.0	5.7	27.2	2.8	28.3	5.4	14
15	29.1	5.6	29.8	5.6	29.4	5.9	29.5	6.9	28.3	5.3	28.7	5.5	28.2	4.0	28.1	5.3	15
16	27.7	4.6	28.0	4.3	28.3	4.8	28.2	5.7	27.6	4.6	27.3	4.1	28.2	4.1	27.4	4.8	16
17	26.8	3.8	27.9	4.7	27.9	4.7	28.0	5.1	25.3	2.3	27.1	4.4	25.6	1.8	26.6	4.3	17
18	26.3	3.3	27.1	4.1	26.7	3.7	26.8	3.9	25.3	2.5	26.0	3.7	24.1	0.6	25.7	3.5	18
19	25.9	3.0	25.3	3.2	25.3	2.7	25.4	2.7	25.1	2.9	25.1	3.0	24.4	0.9	24.7	2.7	19
20	25.6	2.7	24.3	2.3	24.3	2.1	25.1	2.6	24.6	2.5	24.3	2.1	24.2	0.9	24.0	2.1	20
21	25.3	2.3	23.4	1.9	23.9	1.8	24.8	2.3	24.0	2.0	23.7	1.7	24.3	1.1	23.6	1.9	21
22	25.1	2.1	23.1	1.7	23.7	1.7	24.5	2.1	23.9	1.8	23.2	1.5	24.2	0.9	23.5	1.9	22
23	24.7	1.8	23.0	1.7	23.3	1.5	24.2	2.1	23.7	1.6	23.0	1.5	24.1	1.0	23.2	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 DECEMBER, 1941

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, 1941

Hour \ Day	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Mid-night	10	1.9	10	3.1	11	1.8	10	4.7	10	3.0	11	1.8	11	2.3	12	3.5	02	4.7	12	2.0	08	2.5	09	3.2	10	2.0	11	1.7	10	3.5	08	3.5
1	10	1.6	10	2.6	11	1.6	11	3.6	11	1.9	11	2.0	11	1.3	11	3.2	04	6.6	10	3.7	08	3.3	09	2.3	10	1.3	11	1.9	10	3.3	08	3.3
2	10	1.5	12	3.0	11	2.0	10	3.2	11	2.0	11	2.1	11	1.9	11	2.3	03	6.7	07	4.8	09	3.3	10	2.1	10	1.7	11	2.4	10	3.6	08	3.5
3	10	1.8	11	3.1	11	1.9	10	2.6	11	1.8	11	1.9	11	2.2	11	3.7	03	4.3	06	5.0	09	2.6	10	3.0	10	1.4	11	1.8	10	3.6	08	3.3
4	10	1.1	11	2.5	11	2.2	10	2.1	11	1.6	11	2.1	12	3.6	10	3.5	03	3.5	05	3.0	09	2.2	10	2.4	10	1.6	11	2.2	10	2.6	08	2.5
5	10	1.3	11	2.3	11	2.7	11	1.8	09	2.4	11	2.4	12	3.0	11	3.7	05	1.9	05	1.8	09	2.2	10	2.0	10	2.0	11	1.8	11	3.1	08	3.0
6	10	1.4	09	2.5	11	2.8	11	1.0	09	2.1	12	3.0	11	3.1	11	3.1	01	3.6	08	3.3	09	3.1	10	1.3	12	2.3	11	1.8	11	3.0	08	2.5
7	11	2.4	08	2.4	10	3.8	12	2.1	11	3.0	10	4.4	11	4.1	11	4.6	03	3.6	08	2.8	09	3.1	07	2.1	10	3.2	11	2.9	11	3.5	08	3.1
8	09	3.4	11	3.3	09	4.6	11	4.0	10	4.5	09	5.1	09	5.1	12	6.3	03	2.1	08	3.0	07	4.0	09	3.5	11	3.3	09	4.0	08	4.8	09	4.5
9	07	3.0	08	3.9	09	5.2	09	4.2	11	4.5	11	6.5	09	6.0	11	6.1	04	3.0	08	2.8	09	4.4	07	3.4	08	3.9	09	4.1	08	5.6	07	4.7
10	08	3.8	09	4.2	09	5.9	09	5.0	10	5.0	12	6.0	09	6.5	11	8.5	03	2.2	08	3.6	09	4.3	08	3.9	08	4.3	09	5.1	08	6.0	09	5.7
11	09	4.0	08	4.4	09	5.7	07	4.6	09	5.3	10	5.7	09	6.2	10	7.4	03	3.5	06	4.9	08	4.9	08	4.6	06	4.9	12	5.6	09	5.7	07	5.6
Noon	10	4.3	10	4.4	07	5.9	10	4.6	07	5.1	11	5.8	08	5.0	09	8.2	04	3.8	07	4.4	09	5.3	09	4.4	05	5.2	08	5.6	07	5.2	09	5.1
13	07	3.7	08	4.9	10	5.9	10	5.1	10	5.5	11	6.1	11	6.2	09	6.2	04	3.4	07	4.1	07	5.0	08	4.4	08	5.1	08	5.2	09	5.6	06	5.2
14	08	3.8	11	5.4	09	6.0	10	5.2	09	5.6	11	5.9	12	6.8	08	6.2	05	3.2	06	4.2	08	4.5	09	4.9	09	5.5	08	6.3	08	5.3	10	4.9
15	07	3.4	09	5.7	09	5.4	10	5.2	13	5.4	12	5.5	11	5.7	07	5.2	06	3.4	06	4.4	10	5.0	10	4.9	09	5.2	10	6.0	06	4.8	08	4.9
16	08	2.9	12	5.1	09	5.4	10	5.6	13	5.3	13	5.8	10	5.3	05	5.5	04	1.8	09	4.1	05	4.7	09	5.4	09	5.8	09	6.3	09	5.2	09	4.8
17	07	2.9	13	5.8	12	5.5	10	5.5	11	5.2	13	5.3	11	5.1	04	5.8	d13	1.6	07	4.2	08	4.3	10	4.6	12	6.0	10	5.4	09	6.2	10	4.9
18	09	3.0	12	4.2	06	4.5	10	4.4	11	4.4	12	5.1	13	5.8	06	6.1	r02	1.1	08	3.7	08	3.6	09	4.0	11	4.9	10	5.6	08	5.8	07	2.9
19	09	1.8	11	2.4	12	2.9	11	2.8	12	2.7	12	4.2	12	3.9	05	6.7	31	1.0	08	2.4	09	2.7	10	2.7	11	3.1	10	3.0	09	4.4	09	3.0
20	10	1.7	11	1.5	10	3.3	11	2.4	11	2.9	11	3.6	11	3.5	07	5.7	32	1.5	08	2.8	08	2.4	10	2.4	11	2.4	10	2.9	09	4.2	09	1.8
21	11	2.6	11	1.1	10	3.4	11	2.5	11	2.5	12	3.0	12	3.6	08	5.5	d09	2.6	08	3.7	08	2.4	10	1.7	11	2.3	11	2.8	08	3.2	09	2.9
22	12	1.7	11	1.8	11	3.1	11	2.2	11	1.9	11	4.0	11	3.0	07	4.5	06	1.8	08	3.3	08	2.0	10	1.8	11	2.0	12	3.0	08	3.4	09	2.7
23	10	3.7	11	1.5	10	3.4	12	2.5	11	1.8	11	2.9	11	2.8	01	6.8	11	2.2	08	2.9	10	2.9	10	2.0	11	1.7	11	2.7	08	3.5	08	2.6

Hour \ Day	17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		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-bight	10	1.5	08	1.1	11	2.0	11	1.9	11	2.4	10	3.1	09	2.9	07	1.8	09	2.0	08	1.3	07	1.7	09	1.6	11	3.1	09	1.4	11	1.8	2.4
1	10	1.8	10	1.1	11	2.0	12	2.3	11	2.1	10	2.5	12	1.4	07	1.7	09	2.1	08	0.9	07	1.6	09	2.0	12	2.8	09	2.5	11	2.1	2.3
2	10	1.5	10	1.2	11	1.8	12	2.0	11	2.3	07	2.6	11	1.8	07	1.7	09	2.0	08	1.1	07	1.8	09	2.1	12	2.0	09	2.5	11	1.8	2.4
3	10	2.7	10	1.5	11	1.8	12	2.0	11	2.7	11	2.7	11	1.9	07	1.9	09	1.5	08	1.2	10	1.4	09	2.7	12	1.9	09	2.1	11	2.5	2.4
4	10	1.4	10	2.4	11	1.5	12	1.8	11	1.8	11	1.9	11	1.9	07	2.0	09	2.7	08	1.8	10	1.8	09	1.9	12	1.8	09	3.0	11	2.2	2.2
5	10	2.1	13	1.5	11	1.5	12	1.2	09	3.5	10	2.2	11	1.5	07	1.5	09	1.4	08	1.5	10	1.8	09	1.8	12	1.7	11	2.0	11	3.1	2.1
6	10	2.6	13	1.9	11	1.8	11	2.6	10	1.9	09	1.9	11	1.8	07	1.6	09	1.4	08	1.4	10	2.1	09	1.8	12	1.9	11	2.0	10	3.6	2.3
7	10	2.5	12	2.5	11	3.0	11	3.5	11	2.9	08	2.5	11	2.3	07	2.0	09	1.8	08	1.9	10	2.1	11	2.4	13	2.6	11	3.4	11	3.9	2.9
8	07	3.7	11	3.3	11	3.8	10	5.0	07	3.4	08	3.4	08	3.1	06	3.5	07	2.5	08	2.5	09	2.9	11	4.2	11	4.3	1[illegible]	4.4	11	3.8	3.8
9	08	3.7	06	4.3	11	2.0	10	6.2	08	4.3	09	4.1	06	4.7	07	4.3	07	2.8	06	2.5	07	3.1	10	4.1	13	4.4	[illegible]9	4.8	08	3.[illegible]	4.2
10	09	3.8	09	5.0	08	6.9	08	6.2	11	3.9	06	4.1	08	5.0	06	4.2	06	2.8	06	3.8	08	2.3	08	4.3	09	5.4	[illegible]8	4.9	[illegible]9	5.4	4.8
11	07	4.7	06	5.0	09	4.5	11	6.2	08	4.3	06	4.0	07	5.4	07	4.4	06	3.2	08	3.8	07	3.2	11	4.1	09	4.8	[illegible]8	5.1	[illegible]8	5.1	4.9
Noon	06	4.4	09	5.1	09	4.7	12	6.2	09	4.2	06	4.5	08	5.0	06	4.3	06	3.7	06	3.1	06	3.1	09	4.4	09	4.9	06	5.6	11	4.2	4.8
13	07	4.5	08	5.0	10	5.0	09	6.8	10	5.0	07	4.8	06	4.9	06	4.3	06	3.2	09	4.0	07	3.2	09	4.2	08	4.7	09	5.2	09	5.0	4.9
14	08	4.6	08	5.3	11	5.1	09	5.5	07	4.9	06	3.8	06	4.8	08	4.0	07	3.1	06	4.0	05	4.0	08	4.[illegible]	08	4.8	09	5.1	08	4.8	4.9
15	06	4.4	06	4.4	10	5.1	11	5.9	07	4.5	06	4.1	08	5.0	08	3.9	08	3.4	06	3.7	07	3.5	12	4.1	09	5.0	09	4.6	08	4.6	4.7
16	07	4.7	07	4.3	12	5.4	09	6.2	09	4.5	08	4.1	06	4.9	08	3.9	07	4.7	08	3.3	08	3.3	08	4.3	09	4.3	08	4.7	06	4.9	4.7
17	07	4.1	08	4.2	12	5.1	09	5.4	09	4.5	07	4.0	06	4.4	07	3.7	03	2.7	06	2.9	06	3.1	08	4.1	10	3.5	07	4.2	06	4.[illegible]	4.5
18	09	3.4	08	4.5	12	4.8	10	4.4	10	3.8	08	3.3	07	4.0	08	3.9	07	2.9	07	2.4	07	3.1	09	3.[illegible]	10	3.8	10	4.0	07	2.3	4.0
19	08	2.5	11	2.8	12	3.4	10	2.6	11	3.0	08	3.7	07	3.2	09	3.0	08	1.8	07	1.7	09	2.1	10	3.[illegible]	09	3.6	11	3.0	09	2.2	3.0
20	06	2.1	11	1.8	12	2.2	09	1.7	12	2.0	08	2.4	07	1.8	09	2.8	08	1.9	07	2.1	09	1.6	10	2.[illegible]	09	3.3	11	2.2	09	2.1	2.5
21	08	1.8	11	1.9	12	1.4	09	1.7	11	2.9	08	3.0	07	2.0	09	2.6	08	1.8	08	2.3	09	1.8	12	2.7	09	2.8	11	2.1	10	2.9	2.6
22	08	1.1	11	1.9	12	2.0	11	2.0	11	2.8	08	2.2	07	1.8	09	2.6	08	1.5	08	1.8	09	1.3	11	2.7	09	2.1	11	1.9	11	2.3	2.3
23	08	1.3	11	1.6	11	2.1	11	2.1	11	2.5	08	2.3	07	2.2	09	2.1	08	0.8	08	1.6	09	1.4	12	3.[illegible]	09	2.0	11	2.0	11	3.6	2.5

TABLE XIII - WIND FREQUENCY (NUMBER OF OBSERVATIONS) DECEMBER, 1941

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	-	-	1	1	7	8	14	-	-	-	-	-	-	-	-	-
9	-	5	26	-	-	1	3	20	2	5	-	-	-	-	-	-	-	-	-
15	-	5	26	-	-	-	7	14	5	5	-	-	-	-	-	-	-	-	-
21	-	1	30	-	-	-	-	15	3	13	-	-	-	-	-	-	-	-	-
Totals	-	-	-	-	-	2	11	56	18	37	-	-	-	-	-	-	-	-	-

TABLE XIV a - RAINFALL AT EVERY HOUR OF THE DAY AT THE ROYAL ALFRED OBSERVATORY FOR DECEMBER, 1941

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	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
1	..	..	..	..	..	..	..	..	0.4	3.5	..	..	..	..	..	..	..	..	..	..	..	0.1	0.4	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	0.1	..	0.1	29.5	0.3	1.3	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	..	0.2	6.0	..	..	0.1	..	..	..	..	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..
4	..	..	..	..	..	..	..	..	0.9	2.0	..	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..
5	..	..	..	..	0.6	..	0.2	..	0.3	0.6	..	3.7	0.1	..	0.1	..	0.2	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..
6	..	..	..	..	..	..	0.3	..	1.1	0.4	..	0.1	..	..	0.1	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	..	..	6.8	..	..	1.1	..	..	..	..	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	1.1
8	..	..	..	..	..	..	..	0.1	..	..	..	1.3	..	..	..	..	..	0.1	..	..	..	..	0.5	..	..	..	..	..	..	..	0.1
9	..	..	..	..	..	..	..	..	38.6	..	0.1	..	0.1	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	1.3
10	..	..	..	..	0.1	..	..	..	5.3	2.6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	2.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	0.3	..	2.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.6
13	..	..	0.5	..	..	..	..	0.3	0.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2
14	..	..	..	..	..	..	..	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	1.6	1.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	..	..	..	..	0.1	0.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	..	..	..	..	..	..	..	0.3	1.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.5	..	0.1
18	..	..	..	..	..	..	..	0.8	5.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	0.2	..	..	0.3	2.2	..	0.2	..	..	..	..	0.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	18.1	10.7	..	..	..	..	..	..	..	2.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	..	..	..	..	20.0	5.3	..	..	..	..	..	..	..	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	..	..	..	..	..	..	..	26.0	2.8	..	0.5	..	..	0.3	..	..	0.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	..	..	..	..	..	..	..	7.7	1.2	..	0.5	0.1	..	..	..	1.2	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	0.1
24	..	..	..	..	..	..	..	1.1	15.2	..	..	0.1	0.2	..	..	0.1	..	..	..	..	..	1.0	..	..	..	..	..	..	..	..	..

TABLE XIVb - RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS, FOR DECEMBER, 1941

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	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
1	..	..	0.1	..	..	..	..	0.3	0.1	4.1	..	..	..	..	0.3	..	..	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	..	0.2	1.5	..	..	0.1	24.3	0.1	..	..	..	..	..	..	..	0.8	..	..	..	0.4	..	..	..	..	..	..	..	..
3	..	..	..	..	..	3.2	..	0.2	0.1	3.1	..	..	..	..	..	..	..	..	..	0.3	..	..	0.1	..	..	..	..	..	..	..	0.3
4	..	..	..	..	..	..	0.8	..	0.3	..	4.0	..	0.1	0.1	..	..	..	..	..	1.2	..	..	0.1	..	..	..	..	..	..	..	..
5	..	0.2	0.4	..	..	0.3	0.4	0.7	0.1	..	..	..	0.1	2.4	..	..	3.3	..	..	..	..	0.2	0.8	..	..	..	..	..	..	..	0.1
6	..	0.4	..	..	..	0.1	0.2	0.4	0.2	..	0.1	..	0.2	..	..	..	0.5	0.7	..	..	..	..	1.6	..	..	..	..	..	..	..	..
7	..	..	0.1	0.1	..	0.1	..	0.3	1.9	..	0.2	..	..	..	..	..	..	..	0.1	..	..	0.1	..	..	..	..	..	..	..	0.4	..
8	..	..	..	..	..	..	1.7	0.2	5.3	..	..	..	..	..	0.1	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..
9	..	..	..	..	..	..	0.1	0.1	5.7	..	..	2.2	1.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2
10	..	..	..	..	..	..	..	0.4	0.3	8.0	..	..	..	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	8.4	..	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1	..
12	..	..	..	..	..	..	0.2	0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.1
13	0.3	..	..	..	..	..	0.5	0.5	..	..	..	0.2	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.3	..	..
14	0.3	..	..	..	..	..	..	0.7	..	..	..	..	..	0.4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	0.8	..	..	..	..	..	..	1.8	0.1	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	..	..	..	0.3	0.7	3.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..	..
17	..	..	..	..	..	..	..	0.2	3.3	1.8	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	0.1	..	..	0.1	..	0.3
18	..	..	..	..	..	..	0.1	19.5	0.5	..	..	..	..	..	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	..	..	0.8	33.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	0.3	42.5	6.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.4	..
21	..	..	..	..	..	..	0.3	18.1	..	7.4	..	..	0.1	..	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.2	..
22	..	..	..	..	..	..	4.8	3.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	..	..	..	..	..	..	..	..	2.0	3.8	..	0.3	..	..	0.1	..	0.2	0.1	..	..	..	..	..	..	..	..	..	..	..	..	2.1
24	..	..	..	..	..	..	0.1	3.3	..	0.1	..	..	0.4	..	..	..	..	..	..	..	0.2	..	..	..	..	..	..	..	..	..	..

TABLE XV - TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART DECEMBER, 1941

RIVER SYSTEM	STATIONS	Approximate Altitude in feet	Total Fall		Normal in Inches	Number of Days
			Inches	Millimetres		
1	Mare Seche	20	12.59	319.8	3.90	4
	St Antoine	50	9.90	251.5	3.69	4
	Bel Mont	50	9.48	240.8	4.39	3
	Poudre d'Or	20	8.96	227.6	4.08	3
	Mon Loisir S.E.	300	14.06	230.1	5.22	..
	Forbach	300	15.15	384.8	3.60	8
	Couroupa	...	12.59	319.8	5.98	3
	Labourdonnais	290	11.62	295.0	5.04	4
	Mapou Water Works Office	...	12.28	311.9	...	5
	Beau Sejour	300	11.55	293.4	5.46	12
	Mont Piton	650	11.54	293.1	6.42	5
	Mon Choix	700	11.80	299.7	5.93	10
	Antoinette	640	13.84	351.5	6.17	16
	Mon Songe	620	13.19	33.50	6.49	14
	Botanical Gardens	325	9.32	236.8	5.92	21
	The Observatory	179	10.19	258.8	4.68	20
	Solitude	175	...	...	3.70	..
	St Andre (Cour)	90	...	...	4.08	..
	La Nicoliere	...	13.58	344.9	6.59	18
	California	...	15.15	384.8	6.81	13
	Australia	...	14.13	358.9	...	10
2 & 3	Union Regnard (Flacq S.E.)	600	27.01	686.1	6.91	10
	Constance d'Arifat (L.A.)	100	18.16	461.3	6.99	8
	Rich Fund	600	25.63	651.0	6.87	10
	La Joffrette	...	19.51	495.6	...	9
	Belle Vue (Allendy)	...	19.95	506.7	8.56	7
4	Sans Souci	900	17.61	447.3	10.74	17
	Beau Champ (G.R.S.E.)	20	...	...	6.24	..
	Olivia	400	...	...	8.92	..
	Trois Ilots	...	...	...	...	..
	Belle Rive	400	...	...	10.45	..
	Sebastopol	700	...	...	...	..
	Bonne Veine	400	15.92	404.4	14.06	19
5	Rose Belle	850	...	...	11.11	..
	New Grove	650	11.03	280.2	...	26
	Mon Tresor	...	9.49	241.0	...	11
	Mon Desert (Carie)	75	6.87	174.5	5.87	10
	Ferney	20	14.30	363.2	8.55	11
	Sauveterre	...	6.50	165.1	...	6
	Tivoli	1300	9.45	240.0	10.59	21
	La Flora	1050	10.63	270.0	9.76	25
	Riche Bois Brit.	650	6.40	162.6	10.01	14
6	Britannia S.E.	700	7.25	184.2	9.05	21
	Savannah Mill	200	5.35	135.9	6.49	13
	St Aubin	300	4.17	105.9	7.53	14
	St Avold	900	8.12	206.2	9.56	23
	Colmar	400	6.32	160.5	8.47	13
	Union S.E.	...	5.28	134.1	6.34	7
	Fontenelle	320	4.18	106.2	6.39	6
	Choisy	200	7.24	183.9	6.00	6
	Beau Bois	...	7.69	195.3	8.51	20
	Bel Air	...	7.17	182.1	7.02	5
	St Felix	...	5.90	149.9	...	5
7, 8, 9 & 10	BelOmbre	40	3.51	89.2	5.40	11
	Beau Champ B. du Cap	70	3.14	79.8	5.28	11
	Frederica	...	3.29	83.6	...	10
	Pierrefonds	...	7.49	190.2	8.28	9
	Ste. Marie	...	3.33	84.6	...	12
	Hussonia	...	...	...	...	..
11	Curepipe Gardens	1840	16.58	421.2	10.53	19
	Mare-aux-Vacoas (G.End)	1850	10.36	263.1	11.07	24
	Mare-aux-Vacoas (Arnaud)	1830	10.83	275.1	114.3	24
	La Marie Filter Beds	1700	11.06	280.9	9.00	24
	Sophie	...	...	...	...	..
	Reunion	1420	10.37	263.4	8.80	15
	Aerological Station	1393	10.62	269.7	9.10	27
	Phoenix	...	10.42	518.7	7.60	7
	Quatre Bornes	...	6.20	157.5	...	9
12	Quatre Bornes Board	1090	6.25	158.8	...	4
	Le Reduit (D. of Agric.)	1000	6.67	169.5	6.60	29
	Alma	1460	14.00	355.6	11.14	18
	Bagatelle	1250	11.55	293.4	7.05	7
	Highlands	1300	10.92	277.4	8.59	7
	Trianon	950	6.99	177.5	6.88	9
	Val Ory	1100	...	...	7.15	..
	Bassin	...	7.08	179.8	9.80	2
	Hermitage	1450	6.34	161.0	12.90	7
	Ebene	...	8.05	204.5	...	9
	Bega	...	7.33	186.2	...	9
	Mon Reve	...	8.18	207.5	...	9
	Mont Pevril	...	8.38	212.9	...	9
	Minissy	1150	9.33	237.0	9.25	9
	Plaisance	...	7.13	181.1	...	[illegible]
	La Ferme	350	5.73	145.5	5.55	7
	Line Barracks	...	6.44	163.6	...	13
	Richelieu Magistr.	...	6.27	161.7	...	[illegible]

TABLE XVI - OBSERVATIONS OF THE DIRECTION AND VELOCITY OF CLOUDS MADE AT THE AEROLOGICAL STATION, VACOAS, 424.5 METRES ABOVE SEA LEVEL, DURING THE MONTH OF DECEMBER, 1941

Day \ Type	Time	St. & Fs.		Cumulus Cu.St & c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height
		0		0		0		0		0		0	
1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	10	...	...	115	3.9	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	10½	...	...	100	8.0	...	...	...	...	...	...	...	...
13	11	...	...	90	5.0	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	11	...	...	85	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...

Day	St & Fs.		Cumulus Cu. St & c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height	Dir.	Vel/Height
	0		0		0		0		0		0	
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	...	...	...	...	...	...	...	...	...	...	...	...

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

TABLE XVII - MONTHLY AND YEARLY MEANS AND EXTREMES OF THE METEOROLOGICAL ELEMENTS FOR THE YEAR 1941

Month 1942	Atmospheric Pressure mbs	Temperature of the Air: Absolute Maxima °C	Absolute Minima °C	Absolute Range °C	Mean of the daily maxima °C	Mean of the daily minima °C	Mean of the daily ranges °C	Mean °C	Excess of Air Temperature over Evaporation Temperature °C	Temperature of the Dew Point °C	Relative Humidity %	Vapour Pressure mbs	Rainfall: Amount recorded by the Lines pluviograph mms	Duration mins.	Mean Minimum on grass °C
January	1002.1	31.2	20.9	10.3	28.6	23.3	5.3	25.5	1.8	22.8	85.2	27.8	320.4	5955	4.6
February	1006.1	31.7	20.9	10.8	29.0	23.0	6.0	25.8	2.0	22.8	84.1	27.9	348.7	3480	5.2
March	1005.6	32.0	21.1	10.9	29.8	23.4	6.4	26.1	2.2	22.8	82.2	27.9	83.8	1195	5.8
April	1007.8	30.2	20.1	10.1	28.4	22.4	6.0	25.1	2.1	22.0	83.4	26.5	230.5	3545	4.5
May	1010.6	28.2	14.7	13.5	26.0	18.8	7.2	22.2	2.9	17.5	75.0	20.1	9.7	430	4.1
June	1014.3	26.4	13.6	12.8	25.2	18.6	6.6	21.5	2.5	17.5	78.1	20.0	35.9	1120	3.9
July	1014.2	25.9	13.3	12.6	24.8	17.4	7.4	20.6	2.4	16.6	77.9	18.9	51.5	1695	3.8
August	1014.9	26.6	13.0	13.6	24.5	17.1	7.4	20.4	2.5	16.1	76.7	18.4	84.1	1948	3.8
September	1013.4	28.4	15.0	13.4	25.7	18.4	7.3	21.6	2.4	17.7	78.7	20.3	67.6	1700	4.7
October	1012.4	29.8	13.8	16.0	27.5	18.9	8.6	22.8	3.2	17.6	72.6	20.2	37.1	885	6.5
November	1008.8	32.0	17.0	15.0	29.2	20.7	8.5	24.4	3.2	19.4	74.2	22.7	41.1	1010	7.0
December	1008.8	30.5	20.0	10.5	29.1	21.7	7.4	25.1	3.1	20.5	75.6	24.1	258.8	2600	8.2
Year	1009.9	29.4	16.9	12.5	27.3	20.3	7.0	23.4	2.5	19.5	78.7	22.9	1569.2	426.0 hrs	5.2
Maxima	1020.1 June 11th & Aug. 31st	32.0 Mch 6th .. Nov. 16th		16.0 Oct	29.8 Mch.	...	8.6 Oct.	...	8.8 May 24th	26.7 Mch. 6th	93.7 Feb. 13th	35.0 Mch. 6th	[illegible]+4.9 mms ending 5h on December 10th		9.7 Dec. 29th
Minima	995.4 Feb. 16th	...		13.0 Aug. 26th	10.1 Apr.	...	17.1 Aug.	5.3 Jan.	...	0.1 Feb. 13th	8.8 July 8th	39.8 May 24th	11.3 July 8th	...	0.4 Jan. 22nd

Month 1941	Mean Daily Amount of Evaporation mms	Temperature of the Soil: Feet 10 °C	Feet 5 °C	Feet 2 °C	Ins 12 °C	Mean amount of Cloud (0-10)	Daily Duration of Bright Sunshine hrs	Percentage of Possible Sunshine %	Observed Wind Velocity m.p.s.	Number of Days: Rain	Lightning	Thunderstorm
Jan.	4.8	24.26	26.19	27.48	27.65	8.4	4.21	32.1	4.10	25	1	...
Feb.	5.2	24.82	26.56	27.97	28.29	6.0	7.54	59.4	3.23	19	2	1
Mar.	5.8	25.15	26.99	28.63	28.93	5.1	7.47	61.3	2.64	16	6	1
Apr.	4.5	25.37	26.96	27.31	27.28	5.2	7.85	67.6	3.17	24	1	...
May	4.1	25.46	26.62	25.81	25.[illegible]8	4.1	7.81	70.2	3.02	13	1	...
June	3.9	25.42	25.50	24.02	23.56	3.5	8.31	76.3	3.36	21	...	...
July	3.8	25.26	24.82	23.14	23.01	3.7	8.63	78.5	3.28	21	...	...
Aug.	3.8	25.03	24.28	22.87	22.55	4.7	7.68	67.5	3.48	19	...	...
Sept.	4.7	24.63	24.05	23.40	23.53	4.9	7.63	64.0	3.32	22	...	...
Oct.	6.5	24.47	24.34	24.50	25.48	4.7	8.98	71.8	3.33	17	3	...
Nov.	7.0	24.49	24.96	26.68	26.77	5.0	8.32	64.1	2.96	21	...	...
Dec.	8.2	24.65	25.81	27.87	27.87	4.7	9.83	74.2	3.42	20	1	1
Year	5.2	24.92	25.59	25.81	25.85	5.0	7.86	65.6	3.28	238	15	3
Max.	9.7 Dec. 29th	25.6 Apr. & May	27.2 Mch. & Apr.	29.0 Mch.	29.8 Mch.	...	12.6 Dec. 19 & 20th	97 June 9th & Aug. 20th	11.2 Jan. 21st	25 Jan.	6 Mch.	...
Min.	0.4 Jan. 22nd	24.1 Jan.	23.9 Sept.	22.6 Aug. & Sept.	22.1 Aug. & Sept.	...	...	...	...	13 May	...	...

TABLE XVIII - MONTHLY AND YEARLY MEANS OF THE MAGNETIC ELEMENTS FOR 1941

Month	Declination (West)	Horizontal Force (C.G.S. Unit)	Vertical Force (C.G.S. Unit)	Total Force (C.G.S. Unit)	Dip (South)	X	Y	Z	Mean of Daily Ranges: Declination	Mean of Daily Ranges: Horizontal Force (Unit)	Mean of Daily Ranges: Vertical Force (Unit)	H.R.h. 10,000	Z.R.z. 10,000
January	14°04'.87	.22423	.29903	.37377	53°08'.12	.21749	-.05455	.29903	8.18	45.2	23.6	101.3	70.5
February	05.22	418	902	373	08.44	44	56	902	10.35	48.0	25.3	107.6	75.6
March	06.26	389	908	359	10.90	14	56	903	10.00	51.8	25.0	116.0	74.8
April	07.67	400	905	365	09.92	23	67	905	6.68	44.6	20.8	100.0	62.2
May	08.89	406	...	...	...	26	64	...	4.66	42.5	...	95.2	...
June	09.61	407	899	363	09.08	26	81	899	4.29	42.2	21.6	94.5	64.7
July	10.38	388	911	362	11.14	07	82	911	4.96	40.8	22.8	91.4	68.3
August	10.30	404	911	361	09.96	22	88	911	7.45	50.3	30.4	112.7	91.0
September	11.59	402	926	381	10.93	18	93	926	9.21	47.5	36.2	106.4	108.3
October	13.04	417	932	396	10.17	31	505	932	5.83	44.1	31.2	98.8	93.3
November	13.87	409	940	397	11.18	21	509	940	9.02	44.1	25.7	98.8	76.9
December	14.61	417	955	414	11.44	28	516	955	8.68	49.7	25.0	111.4	75.0
Year	14°09.89	.22417	.29918	.37378	53°10.11	.21725	-.05481	.29918	7.44	45.9	26.1	102.8	78.2