WEH. 7/5/38
Fiji Islands, Harbour Mast.
Hurricane at Mikualofa, Feb. 21-24

Colony of Fiji.

ANNUAL METEOROLOGICAL REPORT

FOR THE YEAR 1937.

BY
G. B. NASMYTH, F.R. MET. SOC.,
HARBOUR MASTER, SUVA;
AND
W. F. D. HAY,
ACTING HARBOUR MASTER, SUVA.

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1937

METEOROLOGICAL OBSERVATIONS.

SUVA.

OBSERVATIONS are taken at 2000 and 0200 G.M.T., or 8 a.m. and 2 p.m. Standard Time at Suva, Fiji, in Latitude 18 degrees 8 minutes South, Longitude 178 degrees 26 minutes East, Local Standard Time being 12 hours fast of Greenwich Mean Time. Height of cistern of barometer above Mean Sea Level, 12 feet; Site of Rain-gauge, 8 feet; Diameter of Rain-gauge, 8 inches; Height of other instruments above ground:—Rim of Rain-gauge, 1 foot; Thermometers, 4 feet 6 inches; Sunshine Recorder, 3 feet 3 inches; Dine's Pressure Tube Anemometer, 48 feet 6 inches.

The site and the exposure of the instruments are "conventional."

Pressure.—Readings are reduced to 32 degrees F., 45 degrees Latitude and Mean Sea Level. Barograph No. L526 by Messrs. Short & Mason is in use.

Temperatures.—Maximum read and set at 8 h., and entered to the previous day. Hygrograph No. H4228 by Messrs. Short & Mason is in use.

Minimum—Read and set at 8 h., and entered to day of reading.

Maximum in Sun—Read and set at 8 h., and entered to the previous day.

Grass Minimum—Set at 16 h., and read at 8 h. the following day, and entered to the day of reading.

Vapour Pressure, Dew Point and Relative Humidity.—Computed from *Hygrometric Tables*, published by the Meteorological Office, London, 1924, (M.O. 265). An ordinary Hygrograph and a Hair Hygrograph are in use.

Rainfall—Measured at 8 h. and 14 h. The amount measured at 8 h. is entered to the previous day, and the amount measured at 14 h. is entered to the day of reading. Definition of day with rain = 0·01 in. or more. An Automatic Syphon Rain-gauge is in use.

Day of Clear Sky—Cloud amount less than two-tenths.

Day of Overcast Sky—Cloud amount greater than eight-tenths.

Wind.—A Dine's Pressure Tube Anemometer is in use. The method adopted by the Meteorological Office, London, for condensing winds, read to 16 points to 8 points, is in use. A Robinson Cup Anemometer No. 571 is in use.

Sunshine.—A Campbell-Stokes' Sunshine Recorder is in use.

In accordance with a new weather scheme adopted on 1st January, 1935, times of observations were altered from 8.30 a.m. and 3.30 p.m. to 8 a.m. and 2 p.m.

The symbolic form of message used in broadcast weather bulletins is IIICW, DDFww, BBVTT for Island Stations, and PQLLL, IIIGG, DDFww, BBVTT for ships at sea.

Collective weather bulletins are broadcast, in Morse, by Suva Radio as follows:—From 1st November to 30th April the morning reports are broadcast at 0005 G.M.T. (Stations V.P.R. 800 meters and V.P.D. 23·95 meters) and the afternoon reports at 0830 G.M.T. (Stations V.P.R. 800 meters and V.P.D. 37·4 meters). From 1st May to 31st October, the morning reports only are broadcast.

Commencing 12th July, 1937, the weather bulletins are broadcast, as above, twice daily throughout the year.

Storm warnings are also broadcast with the weather bulletins from Stations V.P.R. and V.P.D. when necessary.

Weather forecast are made out daily, excepting Sunday, and are broadcast by Station Z.J.V. (326 meters) at 6·40 p.m.

Storm warnings are also broadcast by this station at 12.05 p.m. and 6.40 p.m. when necessary.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SUVA FOR THE YEAR 1937.

Months.	Mean Pressure in inches. (Reduced to 32° Faht. 45° Lat. and M.S.L.		Air Temperature (F°)											Mean Dew Point. (Degrees)		Mean Vapour Pressure in Millibars.		Mean Relative Humidity (Saturation=100)		Mean Amount of Cloud. (0–10)	
			Mean Dry Bulb.		Mean Wet Bulb.		Means of		Mean	Absolute Max. and Min.											
							Max.	Min.		Max.	Date.	Min.	Date.								
	8h.	14h.	8h.	14h.	8h.	14h.								8h	14h	8h	14h	8h	14h.	8h	14h
January	29·763	29·707	82·1	87·0	77·5	79·3	88·9	76·6	82·7	94	15	72	20, 21	75·7	76·0	30·3	30·8	80·7	70·8	6·4	6·5
February	29·766	29·714	81·6	86·3	77·7	79·1	87·9	76·8	82·3	93	5	74	9	76·0	76·2	30·7	30·8	83·5	72·4	6·8	6·9
March	29·802	29·752	80·6	84·1	76·7	78·4	86·2	75·6	80·9	92	6	72	15, 20	74·9	75·9	29·6	30·7	83·4	77·2	6·3	7·4
April	29·874	29·805	79·8	84·2	76·2	77·9	85·9	75·2	80·6	92	20	72	30	74·6	75·3	29·2	30·0	84·2	74·7	6·4	6·9
May	29·956	29·893	76·6	80·8	73·7	75·2	82·4	73·1	77·7	87	1, 27, 30	68	12	72·5	72·3	27·2	27·3	86·8	76·6	6·9	7·3
June	29·949	29·882	76·1	81·2	72·6	74·2	82·1	71·6	76·9	89	23	67	13, 14	70·9	70·8	25·8	25·8	84·0	71·2	5·7	6·2
July	29·993	29·935	73·0	77·1	69·8	71·3	78·5	69·7	74·1	84	1, 17	65	19	68·0	68·0	23·5	23·6	84·5	74·6	7·7	8·0
August	29·955	29·901	73·3	77·4	70·6	71·6	78·6	69·5	74·0	85	26, 27	63	16	69·0	68·6	24·4	24·0	86·8	75·3	7·2	7·2
September	30·026	29·972	73·6	77·1	68·3	69·5	78·5	69·2	73·9	85	7	64	21	65·1	64·9	21·4	21·2	75·7	67·4	6·8	6·9
October	29·968	29·906	76·7	80·1	72·6	73·9	81·6	72·2	76·9	89	16	66	20	70·6	70·7	25·7	25·9	81·0	73·9	7·3	7·4
November.....	29·908	29·860	78·2	82·0	73·3	74·6	83·6	73·3	78·5	88	25, 26	69	19, 22	70·8	71·1	25·9	26·1	78·6	70·1	7·6	6·4
December	29·834	29·791	79·6	83·3	74·5	75·6	84·8	74·0	79·4	89	7, 31	71	Various	72·1	72·1	27·0	26·9	78·5	69·8	6·9	7·1
Year	29·898	29·843	77·6	81·7	72·0	75·0	83·3	73·1	78·2	..	....	..	....	71·7	71·8	26·7	26·9	82·3	72·8	6·8	7·0
Mean ...	8h. and 14h. 29·870		..	..	..	..	..	..	..	..	....	..	....	..	..	..	..	..	..	..	..

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SUVA FOR THE YEAR 1937.—*continued.*

Months.	Total Rainfall (Inches.)	Sunshine. (Hours and Tenths.)		Miles of Wind.		Weather. No. of days of							Wind. Number of Observations.																	
		Total.	Mean daily	Total.	Mean velocity (m.p.h.	Hail.	Thndr Strms	Gales.	Clear Sky		Overcast		N		N.E.		E.		S.E.		S.		S.W.		W.		N.W.		Calms.	
									8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h.	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h
January	8·78	215·7	7·0	4665·6	6·3	0	7	0	0	0	8	8	10	5	8	9	4	10	0	3	0	1	0	0	0	1	4	1	5	1
February	8·29	180·7	6·5	5289·6	7·9	0	2	0	1	0	12	10	7	4	7	7	1	5	2	3	0	3	2	5	4	0	1	1	4	0
March	17·53	178·7	5·8	4620·0	6·7	0	5	0	2	0	10	11	10	2	6	5	3	8	3	4	0	8	0	4	0	0	2	0	7	0
April	12·13	167·2	5·6	4656·0	6·5	0	4	0	2	0	9	12	11	3	7	9	2	9	0	4	0	5	1	0	0	0	2	0	7	0
May	16·49	133·1	4·3	4692·0	6·3	0	2	0	3	1	16	16	7	3	9	6	2	13	3	2	1	4	2	1	1	1	1	1	5	0
June	2·23	161·7	5·4	4512·0	6·3	0	1	0	3	2	7	7	13	3	9	7	2	10	3	5	1	2	0	1	0	0	0	2	2	0
July	4·76	85·4	2·8	5950·4	8·0	0	0	0	1	1	17	18	5	2	6	2	6	12	8	13	1	2	1	0	0	0	1	0	3	0
August	11·46	127·4	4·1	5447·6	7·4	0	0	0	1	1	13	12	7	0	10	8	6	14	3	6	1	2	1	1	0	0	1	0	2	0
September	6·95	136·2	4·5	5710·4	8·0	0	0	0	5	1	13	10	2	0	6	1	7	13	7	9	3	4	1	2	1	1	0	0	3	0
October	6·63	143·6	4·6	5896·8	7·9	0	1	0	1	0	13	14	4	1	6	1	9	17	4	6	1	3	0	2	2	0	0	0	5	1
November.....	5·87	232·0	7·7	5568·0	7·7	0	1	0	1	1	16	12	4	2	9	5	13	18	1	5	0	0	1	0	0	0	1	0	1	0
December	5·51	182·1	5·9	5455·2	7·3	0	0	0	0	1	12	14	7	6	10	8	8	12	1	4	0	0	0	0	0	1	1	0	4	0
Year ...	106·63	1943·8	5·3	62493·6	7·2	0	23	0	20	8	146	144	87	31	93	68	63	141	35	64	8	34	9	16	8	4	14	5	48	2
Mean ..	...	...	...	....	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...	..

EXTREMES FOR THE YEAR.

Highest Pressure—30·137″ at 8 a.m. on 1st October.
Lowest Pressure—29·529″ at 2 p.m. on 27th February.
Highest Temperature in Shade—94° on 15th January.
Lowest Temperature in Shade—63° on 16th August.

Greatest Range—17° on 16th August, 23rd September, and 16th October.
Least Range—2° on 31st August and 18th September.
Most rain in 24 hours—7·87″ on 19th March.
Maximum wind velocity—38 m.p.h. from S.E.x E. at 0956 on 20th August.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

JANUARY, 1937.

JANUARY.

Day.	Attached thermometer and barometer as read in inches. I		II		Air Pressure at Mean Sea Level in the Units of Measurement. I	II	Temperature (degrees F.) In Screen. Dry. I	Wet. I	Dry. II	Wet. II	Maximum.	Minimum.	In Open. Grass Min. Eye to Morn.	Max. in Sun. Black Bulb in vacuo.	In Ground. 1 foot. I	4 feet. I	Humidity. Dew Point. I	II	Vapour Pressure. I	II	Percentage. I	II	Wind Direction and Force (Beaufort Scale). I		II	
							Tenths.				Whole Degrees.				Tenths.											
	(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
	°	"	°	"	"	"	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.			Dir.	F	Dir.	F
1	83	30·032	85	29·976	29·833	29·771	81·8	76·2	86·4	78·2	87	77	72	160	83·3	81·3	74	75	28·7	29·2	77	68	E.	3	EXS	4
2	82	30·004	82	29·948	29·807	29·751	79·0	76·0	85·0	78·4	86	75	74	155	82·4	81·7	75	76	29·3	30·4	86	74	N.W.	1	SEXE	3
3	82	30·004	85	29·932	29·807	29·727	80·0	75·6	87·8	78·8	88	76	72	157	83·0	81·9	74	75	28·2	29·9	81	66	NEXE	2	EXN	4
4	82	29·976	85	29·932	29·779	29·727	82·2	77·2	86·0	78·8	88	76	72	154	83·3	82·0	75	76	29·5	30·7	79	72	N.E.	2	E.	4
5	83	29·988	85	29·949	29·789	29·744	83·8	77·0	87·2	79·2	88	76	72	153	83·9	82·1	74	76	28·6	30·3	73	69	NEXN	1	E.S.E.	3
6	83	29·998	86	29·946	29·799	29·739	81·4	77·2	87·0	79·0	88	76	74	157	84·0	82·1	75	76	29·9	30·3	82	69	E.	2	E.S.E.	3
7	83	29·950	87	29·890	29·751	29·680	82·1	76·9	89·2	78·2	90	76	73	149	84·8	83·1	75	73	29·5	27·9	78	60	W.N.W.	1	E.S.E.	3
8	84	29·912	84	29·866	29·710	29·664	81·8	76·1	80·4	76·4	88	76	72	138	85·1	82·2	74	74	28·7	28·9	76	83	N.	1	Calm	0
9	81	29·916	82	29·894	29·723	29·697	77·6	76·6	79·6	77·8	85	75	73	147	82·7	83·6	77	77	31·2	31·9	95	92	Calm	0	NEXE	2
10	80	29·918	83	29·903	29·728	29·704	80·0	75·8	84·6	77·4	87	75	73	139	83·3	83·0	74	75	28·9	29·6	82	71	N.W.	1	N.N.W.	2
11	82	29·992	86	29·936	29·795	29·729	81·4	77·0	87·8	79·0	89	76	72	166	83·2	83·7	75	75	29·2	29·9	82	67	N.	2	NEXE	2
12	83	29·968	85	29·914	29·769	29·709	82·8	77·6	85·8	80·8	88	76	71	154	83·7	82·7	76	79	30·5	33·9	78	80	NEXN	2	EXS	3
13	83	29·942	87	29·900	29·743	29·690	83·7	78·1	90·2	81·0	90	76	72	156	85·9	83·0	76	77	30·9	32·1	77	66	NEXE	2	EXS	4
14	84	29·900	88	29·864	23·698	29·651	83·4	77·6	91·2	78·0	91	76	71	158	84·1	82·9	74	72	29·0	27·0	76	55	E.N.E.	2	N.E.	4
15	85	29·948	89	29·906	29·743	29·690	81·6	78·4	91·6	81·2	94	78	73	161	84·7	83·0	77	78	31·2	32·9	75	64	N.	2	N.N.E.	4
16	85	29·952	88	29·921	29·747	29·708	84·0	79·0	90·6	79·6	91	79	75	157	84·7	83·0	77	74	31·6	29·0	79	60	N.N.E.	2	N.E.	4
17	85	29·978	87	29·910	29·773	29·700	82·6	79·4	85·4	81·8	90	79	75	162	85·0	83·9	79	80	33·6	35·2	86	85	NEXN	1	N.N.W.	2
18	84	29·919	88	29·853	29·717	29·640	84·6	79·2	88·0	80·0	92	79	74	160	84·9	83·7	77	77	32·0	31·4	78	69	N.N.E.	2	N.N.E.	3
19	83	29·910	85	29·839	29·711	29·634	78·0	76·8	87·2	78·0	87	78	75	152	85·0	83·4	77	74	31·2	28·8	94	65	Calm	0	N.N.E.	3
20	80	29·920	81	29·862	29·730	29·669	77·1	74·9	77·9	76·1	81	72	71	143	83·4	83·3	74	75	28·8	29·8	90	92	Calm	0	N.N.E.	3
21	80	29·900	83	29·863	29·710	29·664	78·9	74·9	84·1	77·9	86	72	70	155	83·0	83·2	73	75	27·9	30·1	82	75	Calm	0	S.	2
22	80	29·917	83	29·861	29·727	29·662	76·2	75·0	85·4	77·6	87	76	73	151	83·8	83·2	75	73	29·2	28·1	94	70	EXS	2	EXS	2
23	83	29·886	87	29·830	29·687	29·620	83·4	77·4	88·4	80·0	91	76	72	157	84·0	83·2	74	76	29·0	30·6	76	68	N.	2	NEXE	3
24	83	29·962	85	29·907	29·763	29·702	83·0	78·0	88·2	81·0	89	73	73	142	84·1	83·8	76	78	30·5	33·0	79	72	N.N.W.	1	W.	1
25	83	29·964	88	29·895	29·765	29·682	84·6	79·0	90·4	80·6	92	78	73	160	83·7	83·5	77	76	32·0	30·5	77	64	NXE	1	NXE	4
26	85	29·938	86	29·939	29·733	29·732	85·8	79·2	80·6	79·0	88	79	74	156	84·0	83·4	77	79	31·5	33·7	74	93	N.N.W.	3	NEXN	3
27	84	29·958	89	29·910	29·756	29·694	85·0	78·8	93·2	80·6	93	79	76	163	84·0	83·9	77	76	31·2	31·2	75	57	NXE	4	N.N.W.	3
28	85	30·002	89	29·963	29·797	29·747	85·4	79·4	91·0	80·4	92	78	74	156	84·5	84·2	77	76	31·2	30·4	76	62	N.XW	2	N.E.	4
29	85	30·038	89	30·010	29·833	29·794	84·4	79·8	90·8	81·2	91	79	74	155	85·0	83·8	78	78	32·4	32·6	81	65	N.N.E.	2	E.S.E.	3
30	84	30·074	87	30·018	29·872	29·808	82·0	79·2	87·2	81·0	88	79	76	145	85·3	83·7	78	79	32·5	33·5	88	76	Calm	0	E.	3
31	85	30·054	88	29·986	29·849	29·773	85·0	78·8	89·8	81·0	91	78	75	156	85·2	84·1	77	77	31·2	32·1	75	67	N.N.E.	1	EXS	4
Tls.	2574	928·820	2662	927·323	922·644	920·902	2545·6	2402·1	2698·0	2458·6	2756	2374	2266	4767	2605·0	2575·6	2348	2357	939·1	945·9	2501	2196	...	..	...	..
Mns	83·0	29·962	85·9	29·914	29·763	29·707	82·1	77·5	87·0	79·3	88·9	76·6	73·1	153·7	84·0	83·1	75·7	76·0	30·3	30·8	80·7	70·8	...	..	...	..

Temperature—
- Daily Range: Mean Max.—Mean Min—12·3°.
- Greatest Range—16° on 15th and 24th.
- Least Range—9° on 19, 20, 26 and 30th.
- Mid Temperature: ½ (Max. + Min.)—82·7°.
- Highest Maximum—94° on 15th.
- Lowest Minimum—72° on 20th and 21st.
- Lowest Maximum—81° on 20th.
- Highest Minimum—79° on 16, 17, 18, 26, 27, 29 and 30th.
- Lowest Grass Minimum—70° on 21st.

Humidity—
- Greatest Humidity—95 per cent. on 9th at 8 a.m.
- Least Humidity—55 per cent. on 14th at 2 p.m.

Air Pressure—
- Highest Value at M.S.L.—29·872″ on 30th at 8 a.m.
- Lowest Value at M.S.L.—29·620″ on 23rd at 2 p.m.

No. of Days of—
- Rain—22.
- Hail—0.
- Thunderstorms—7.
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—8·78″ or 223·01 mm.
- Average for 53 years—11·51″.
- Difference from normal, —2·73″.
- Greatest fall in 24 hours—1·29″ or 32·77 mm on 2nd.
- Total since 1st January—8·78″.

VISIBILITY SUMMARY —No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	0	0	0	0	0	1	10	20
2 p.m.	0	0	0	0	0	0	0	1	0	0	1	1	5	23

Standard Distance of Objects used for Estimate of Visibility:— X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18⅔ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	5	11	11	4
2 p.m.	0	4	10	15	2

JANUARY.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters). Before Obser'tion.	At time of Obser'tion.	Between Obser'tion hours.	At time of Obser'tion.	After Obser'tion.	Visibility.		Cloud. Amount (0–10).		Cloud. Form.		Cloud. Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	State of ground.		Sunshine (hours and tenths).	Day.
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II		
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)	
201·6	8·4	bc,c	c	bc,c	c	c,o	K	K	7	7	ci/cu/cu-nb	ci/ci-st/cu/cu-nb	—/E.	W/E	..	0·91	0	0	9·2	1
122·4	5·1	oP,c	c	c,oP	bc	c,bc,b	L	M	8	5	ci-st/cu-nb/nb	cu/cu-nb	SW/NE	E.N.E.	1·29	..	2	2	5·3	2
156·0	6·5	b,bc,c	c	c,op,bc	bcjp	c,oRtllq,bc	M	M	7	6	ci/cu-nb/nb	ci/cu-nb/nb	....	W/EXN	0·08	0·40	2	1	7·5	3
158·4	6·6	cp,b	b	b,bc	bc	bc,bw	L	M	3	4	cu	cu/cu-nb	N.E.	N.E.	..	Trace	2	1	11·3	4
146·4	6·1	bc	bc	cp,bc,b	b	b	M	M	6	3	ci/cu	ci/cu	?/NE	—/NE	0·02	0·20	1	1	9·6	5
156·0	6·5	bc,cP	bc	bc,c	c	bc,bw	L	M	6	7	cu/cu-nb	ci-cu/a-cu/cu	EXS	—/—/E	Trace	..	1	0	11·4	6
132·0	5·5	bcv	bcv	bc,bv	bv	bc,c,o	M	M	4	3	cu	ci-st/cu	E.	SW/—	..	Trace	0	0	10·2	7
122·4	5·1	c,bcv	bcv	bcv,c,otlR	ov	oirtld	M	M	6	9	ci-st/st-cu-cu	a-st/nb	WNW/—/N	WNW/N	0·14	0·25	0	1	2·3	8
146·4	6·1	om,id	oid	oid,c,idq	oid	oidrq	L	M	10	10	a-st	a-st/st	....	?/NE	0·02	0·31	1	1	1·1	9
158·4	6·6	oidq,v	ov	ov	ov	ov,cl	M	M	9	9	a-st/st-cu/st	a-st/st-cu/cu-nb	—/NW	—/N	..	Trace	1	1	2·1	10
110·4	4·6	bcv,c	cv	o,cvq	cvjp	o,cv,qbc,bw	M	M	8	8	st-cu/nb	st-cu/cu-nb	—NNE	—/N	..	..	0	0	3·4	11
132·0	5·5	b,bc	bc	bc,cpq	bcjp	bc,b,cPq	M	M	5	6	cu/cu-nb	cu/cu-nb	N.N.E.	N.E.	0·04	0·05	0	0	9·2	12
160·8	6·7	b,bc	bc	bc,bv	bcv	bv,w	M	M	4	3	cu/cu-nb	cu	N.N.E.	N.E.	..	..	0	0	12·3	13
259·2	10·8	bv	bv	bv,bc	bcvy	bcv,cl,opq	M	M	3	4	cu	cu/cu-nb	E.N.E.	N.N.E.	..	0·09	0	0	11·7	14
139·2	5·8	bcv	bcv	bcv	bcv	c,bc	M	M	6	4	ci/cu	ci/cu/cu-nb	—NXE	—NXW	..	0·34	0	0	9·7	15
122·4	5·1	oPq,bc	c	cp,bc	c	c,o,bc	M	L	7	7	ci/cu/cu-nb	ci/cu/cu-nb	SW/NE	SW/NE	Trace	0·10	1	0	10·1	16
194·4	8·1	bc,cop	o	c,bc,opt	op	op,cv,bc	L	L	9	9	ci-st/cu-nb/st	ci/cu-nb/nb	—/NE	—/NNE	0·01	0·02	0	0	3·9	17
148·8	6·2	cp,bc	bc	bc,cPq	c	c,od,l	L	L	6	8	ci/cu/cu-nb	ci-st/cu/nb/st	—/NNW	W/—	0·20	0·12	0	0	6·2	18
134·4	5·6	oddq	odd	odd,cv	cv	cv,od,Rq	L	M	10	8	a-st/st	ci-cu/a-cu/cu/nb	—/—	SW/SW/NNE	0·02	1·12	1	0	1·4	19
127·2	5·3	or,v	ov	c,oirq	oirq	oir,c,bc	M	G	9	10	cu-nb/nb	st	—	N.N.E.	0·15	0·36	1	1	1·2	20
108·0	4·5	c,bcv	bcv	c,bcv	bcv	bcv,c,o	M	M	4	5	ci/cu	ci/cu/cu-nb	SW/—	SW/NE	..	0·26	1	0	7·8	21
120·0	5·0	orR	or	orR,cv,bc	cv	cv,o,bc	L	M	10	7	nb/st	ci/ci-cu/a-cu/st-cu/cu	N.E.	S/NW/ENE	0·15	Trace	1	1	4·8	22
144·0	6·0	bc,b,cv	cv	cv,bc	cvjp	otr,c,bc	M	M	7	8	ci/ci-st/st-cu/cu	a-cu-lent-cu/cu/nb	WNW/N/N	W/N'ly	..	0·06	1	0	8·8	23
100·8	4·2	bc,cv,o	ov	ov	ov	or,tdq,Rr	M	M	10	9	a-st	a-st/cu	?	NE/NW	Trace	1·17	0	0	0·9	24
187·2	7·8	o	o	ov,c	ov	ov,c	M	M	9	9	a-st	st-cu/cu/nb	N.N.W.	NW/NNW	..	..	1	0	4·9	25
216·0	9·0	cv,bc,b	bv	bc,copPtl	op	op,c	M	J	3	9	st-cu/cu	cu-nb/nb	N.	N.	0·49	0·03	0	1	5·2	26
184·8	7·7	bc,bv	bv	bv,bc	bcv	bcv,cp,blq	M	M	3	6	a-cu/cu	ci/cu/cu-nb	N/N	?/NNW	Trace	0·01	1	0	11·3	27
156·0	6·5	b,bcv	bcv	b,cjp,bcv	bcv	bcv,tl,b	M	M	4	4	ci-cu	ci/cu/cu-nb	?/N	—/NNE	..	Trace	0	0	10·9	28
144·0	6·0	b,bc	bc	bc	bc	bc,bw	M	M	6	5	ci/cu/cu-nb	ci/cu	?/NE	E./ESE	..	..	0	0	10·8	29
124·8	5·2	bc,c	c	c,bc,op	c	c,bc,bw	L	L	7	8	ci/cu/cu-nb	a-cu-lent/cu-nb	—/E	—/E	0·02	Trace	0	0	1·2	30
151·2	6·3	bc,b	b	bc,b	b	b,bc,cp	L	L	2	2	cu	cu/cu-nb	E.	E.	..	0·35	0	0	10·0	31
4665·6	194·4	....	...	....	...	....	..	..	198	202	.....	.....	....	....	2·63	6·15	..	..	215·7	Total
150·5	6·3	....	...	....	...	....	..	..	6·4	6·5	.....	.....	....	....	..	..	..	..	7·0	Mean

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms	N.N.W.	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.
8 a.m.	0	1	25	5	2	7	4	6	1	3	0	0	0	0	0	0	0	0	1	2
2 p.m.	0	10	20	1	3	1	4	7	0	8	4	1	0	1	0	0	0	1	0	0
Total	0	11	45	6	5	8	8	13	1	11	4	1	0	1	0	0	0	1	1	2

Prevailing Direction, N.E.; 8h., N.; 14h., E.; Maximum velocity 34 m.p.h. from S.S.E. at 7.22 p.m. on 19th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

JANUARY, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	4·5	12·1	17	4·4	11·1
2	3·5	10·0	18	3·3	12·8
3	6·1	10·5	19	3·8	10·3
4	4·6	13·4	20	3·7	10·3
5	4·0	13·6	21	3·7	10·3
6	4·1	15·4	22	7·2	10·5
7	3·0	10·3	23	3·7	12·2
8	3·0	9·2	24	....	....
9	3·2	9·1	25	7·3	11·6
10	3·9	10·3	26	3·9	10·3
11	3·3	9·6	27	7·1	13·2
12	4·4	12·5	28	3·4	11·0
13	3·9	14·0	29	3·6	11·3
14	3·9	13·2	30	4·2	10·0
15	3·8	12·8	31	4·0	13·2
16	3·2	10·3			
Totals	..	...	..	125·7	344·4
Means	..	...	..	4·2	11·5

WEATHER DIARY—JANUARY, 1937.

Date.

1. Half to three-quarter cloudy all day, becoming cloudy to overcast 1600. Light N.E. breeze early, veering E. 0700, increasing force 3/4, gradually falling to force 2 after 1630. Pretty sunset.
2. Variable winds force 1/3 early and cloudy to overcast. Heavy showers 0252 to 0700 and 1012 to 1310, then fine and half to quarter cloudy. Light to moderate S.E. to E. breeze 1214, backing N.E. 1725, gradually falling off.
3. N'ly airs to calm early and fine and clear sky. Light N.E'ly breeze 0640 and sky gradually becoming overcast. Showers 0935 to 1030, then fine and half cloudy. Wind gradually veered E'ly force 3/4, falling off after 1600. Strong E.N.E. squall 1810 to 1822, thunderstorm and heavy rain to 1840, then fine cloudy and variable N.E. airs. Lightning continued to about 2130. Maximum wind velocity 29 m.p.h. from E.N.E. at 1813.
4. Variable N.E. winds force 1/2 early. Shower 0230 to 0240, then fine and clear sky. Light to gentle breeze 0730, veering E. 0920, increasing force 3/4, backing E.N.E. force 3 1600, then gradually falling off, backing N.N.E. Half cloudy during the day, clear sky at night. Dew about 2030.
5. Early morning fine, half cloudy and N'ly airs to calm, veering N.E'ly 0750. Cloudy 0830. Showers 1140 to 1230. Wind veered E. to E.S.E. 0905, increasing force 3/4 1212, gradually falling off after 1600, backing N.N.E. 2038. Clear sky during afternoon and evening.
6. Heavy showers 0105 to 0430, then fine and half cloudy. Variable N'ly airs to calm early, increasing force 2/3 and veering E.S.E. after 0730, gradually falling off 1700 veering S.E. Variable sky during the day but mainly clear. Zodiacal light 1930. Dew about 2000.
7. N'ly airs to calm after 0100, backing W'ly 0735, half cloudy fine and unusual visibility. Clear sky during the day, becoming cloudy to overcast 1530, clearing 2200. Trace of rain at 2005. Light E.S.E. breeze 0940, increasing force 3 1108, backing N.E. 1607, gradually falling off. N'ly airs 2120.
8. N'ly airs to calm early, fine, half to three-quarter cloudy and unusual visibility. Light variable winds all day, but mainly N.W'ly, with occasional gentle squalls, between 1200 and 1900. Heavy rain 1230 to 1250 and thunderstorm to 1830. Intermittent rain 1520 to 1930. Drizzle 2300 to 2400.
9. N'ly airs to calm after 0200. Overcast with a-st, and misty. Thin intermittent drizzle 0545 to 0900. Intermittent drizzle 1110; intermittent drizzle and rain 1650 to 2330. Mainly overcast and gloomy all day; sky occasionally ¾ cloudy. Variable light to moderate winds between S.E. and N.N.E., but mainly E.N.E. all day. Occasional gentle to moderate squalls.
10. Intermittent drizzle 0100 to 0320. Overcast and unusual visibility all day, cloudy after 1800. Variable winds force 1/3 all day between W.N.W. and E.N.E., but mainly N.E. Gentle squall at 0213. Lightning 1945 to 2000.
11. Fine & half cloudy early. Cloudy to overcast & unusual visibility after 0700. N'ly airs to calm after 0214, backing N.W. 0812, veering N.E. to N.N.E. force 1/3, rapidly backing S.W. 1542, falling off 1620. N'ly airs to calm 2026. Moderate squalls at 1244 and 1557. Pretty sunset. Sky cleared 1900. Dew about 2000.
12. N'ly airs to calm early. Mainly fine and clear sky all day and night. Half to ¾ cloudy and showers 1100 to 1116, 1325 to 1335 and 2245 to 2300. Light N.E'ly breeze 0755, veering E'ly 1035 force 2/4 squally, backing N.E. 1655 falling off. Gentle E. squall 2245 to 2305.
13. Fine and half-cloudy to clear sky all day and unusual visibility, but mainly clear sky. N.N.E. airs to calm early. Light N.E'ly breeze 0745, gradually increasing force 4 gusty, veering E'ly, gradually falling off after 1600 backing N.E. Very pretty sunset. Dew about 2000.
14. N'ly airs to calm early, fine, clear sky and unusual visibility. E.N.E. airs 0730, increasing 0755 to force 3/4 from N.E. and occasional fresh gusts, gradually falling to force 2/3 after 1800 backing N.N.E. Variable sky after 1630. Lightning 1930 to 1940. Overcast, moderate to fresh N.N.E. squall and shower 2230 to 2245. Maximum wind velocity 25 m.p.h. from N.E. at 1437.
15. Early morning fine, half cloudy, unusual visibility and N. to N.N.E. winds force 1/2, increasing force 3 0835 and to force 4 1020 with frequent fresh gusts, veering E.N.E. after 1500, gradually falling to force 2 after 1545, backing N.N.E. 1700. Sky clouded 1500 and threatening to W. but clearing later. Maximum wind velocity 23 m.p.h. from N.N.E. at 1118.
16. Light N.E. to N.N.E. winds early; fresh squall at 0150 and heavy shower to 0215. Pretty sunrise. Gentle squalls at 0755 and 0815. Variable sky during the day but mainly fine and bright. Cloudy to overcast and threatening appearance to W.S.W. during late afternoon. Wind increased force 4/5 with occasional strong gusts 0930, gradually falling off 1615 Lightning 2030 to 2200. Maximum wind velocity 27 m.p.h. from N.E. at 1255.
17. Variable N.E. airs to calm early, cloudy to overcast and showers 0352 to 0705. Solar halo 0822. Half to three-quarter cloudy 0930 to 1300 then cloudy to overcast and light showers to 2000 then variable sky. Variable gusty winds, mainly N.E. during the day; moderate squall at 1300. Thunder 1200 to 1300. Unusual visibility during the late afternoon. Very pretty purple and gold sunset.
18. Very light showers early to 0330, then fine and half cloudy. N.E. airs early; light N.N.E'ly breeze 0300, increasing force 3 0810. Cloudy & heavy showers 1120 to 1142 and fresh squall (23 m.p.h.) 1138 to 1148. Overcast afternoon and night. Wind fell force 2/3 1400, backing S.S.W. and S.W. 1542, falling off 1900. Drizzle 1700 to 1815. Lightning 2230.
19. N'ly airs to calm early and overcast. W.S.W. squall 0425 to 0625, moderate to fresh. Calm 0720. Drizzle 0350 to 0900, 1040 to 1100 and 1800 to 1940, then heavy rain to 2100, then drizzle to 2200. Light E. breeze 0820, backing N.E. and N.N.E. force 2/3 after 1040, veering E.N.E. 1646 and to S.S.E. squally 1906 to 2005, then backing gradually to N. variable force 1/2. Cloudy and unusual visibility during early afternoon. Maximum wind velocity 34 m.p.h. from S.S.E. at 1922.
20. N'ly airs to calm early and overcast. Rain 0310 to 0320. Intermittent rain 1135 to 1455 and 1845 to 2215 then clearing. Light S'ly breeze after 0920, backing N.N.E. after 1220. Gentle squalls at 1113, 1358 and 1533. Light to gentle breeze 1652, falling off 2248. Mainly cloudy to overcast all day. Unusual visibility during late afternoon.
21. Light N.W. to N.E. winds early. Calm 0730, fine, half cloudy and unusual visibility. S'ly airs 0835, increasing force 2/3 1120, backing S.E'ly 1618 falling off, backing N'ly 1940. Variable sky during the day but mainly cloudy. Very pretty sunset.
22. Early morning overcast and N'ly airs to calm. Moderate to heavy rain 0725 to 0910. Light to gentle E.xS. breeze 0706, backing N'ly 0810. Variable sky during the day but mainly cloudy, and unusual visibility. Wind veered E'ly after 1003 increasing force 2/3, falling off 1700, gradually backing N'ly after 1810. Very pretty sunset.
23. N'ly airs to calm early and fine, clear sky and unusual visibility. Variable sky after 0730, becoming overcast 1445. Distant thunder 1415 to 1530. Light rain 1520 to 1550. Wind gradually increased force 3/4 after 0830, veering N.E.xE. 1255, becoming light variable W'ly 1518, veering N. variable 1925. Half to three-quarter cloudy after 2130.
24. N'ly airs to calm early and half to three-quarter cloudy, then cloudy and unusual visibility. Overcast with a-st 0730. Light N.W. breeze 0958, veering N.N.E. 1125, backing and becoming variable 1350. Distant thunder 1500 to 1600. Drizzle 1610; heavy rain 1635 to 1705, then light rain to 1800. W. squall 1635, reaching maximum of 31 m.p.h. at 1648, then rapidly falling off to N'ly airs.
25. Early morning overcast and variable N.N.E. airs to calm, increasing force 3/4 0820. Unusual visibility during the day, cloudy to overcast but fine. Wind fell to force 2/3 1754. Pretty sunset. Lunar corona 1950.
26. Early morning fine, cloudy, clearing at sunrise. N.N.E. winds force 1/3, backing N.N.W. 0720, veering N.N.E. 0825, becoming squally force 3/5, falling to force 2 2100. Unusual visibility early. Light to heavy showers 1050 to 1705 and cloudy to overcast. Thunderstorm at 1216. Cloudy night. Maximum wind velocity 28 m.p.h. from N.N.W. at 1207.
27. Mainly fine, clear sky and unusual visibility all day and night. Light to gentle N.N.E. to N. breeze early, increasing force 3/4 0420 & to force 3/5, gusty 0856. N.N.W. breeze after 1300, backing W.N.W. force 3 1455 and to S.W'ly 1635 falling off. Light E.N.E. breeze 2000, backing N.N.E. and moderate squalls at 2104 and 2248. Cloudy and light showers 1735 to 1750, Lightning 2100 to about 2300. Rainbow 1745.
28. Light N.E. to N'ly winds early, fine, clear sky and unusual visibility. Cloudy and showers in sight 1000 to 1030, then half to three-quarter cloudy. Gentle to moderate N.E. to E.N.E. breeze 1100, falling off after 1700 backing N'ly. Distant thunder to W. 1500 to 1545.
29. Light variable N.E'ly winds to calm early, fine and clear sky, becoming half cloudy 0715. Wind veered E. to E.S.E. 1040 force 3/4, gradually falling off after 1545. N'ly airs to calm 2020. Half to quarter cloudy night. Dew about 2100.
30. Early morning fine, half cloudy and N'ly airs to calm veering N.E. 0810, increasing force 2/3 0925, veering E'ly after 1200, backing N.E. 1700, falling off 1820. Mainly cloudy all day. Showers at 0830 and 1330. Fresh gust, 24 m.p.h. at 1314. Very pretty sunset.
31. Early morning fine, clear sky and light N.E. winds to calm; veering E'ly 0840, gradually increasing force 3/4, falling off after 1518, backing N'ly 2150. Variable sky at night. Shower 2055 to 2105.

ADDITIONAL NOTES.

A very hot month, mean temperature being 2·6° above normal. Rainfall was 2·73″ below normal and mean pressure at 8 a.m. 0·023″ below normal. The weather was mainly fine and clear during the month with N.E. to N'ly wind prevailing. A slow moving cyclone passed to west of the New Hebrides between 21st to 26th, moving S.S.E. N.W'ly gales occurred at Vila.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

FEBRUARY, 1937.

FEBRUARY.

Day.	Attached thermometer and barometer as read in inches. I		II		Air Pressure at Mean Sea Level in the Units of Measurement. I	II	Temperature (degrees F.) In Screen. I Dry.	Wet.	II Dry.	Wet.	Maximum.	Minimum.	In Open. Grass Min. Eve to Morn.	Max. in Sun. Black Bulb in vacuo.	In Ground. I 1 foot.	4 feet.	Humidity. I Dew Point.	II	I Vapour Pressure.	II	I Per-centage.	II	Wind Direction and Force (Beaufort Scale). I		II	
							Tenths.				Whole Degrees.				Tenths.											
	(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
	°	"	°	"	"	"	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.			Dir.	F	Dir.	F
1	84	30·008	88	29·938	29·806	29·725	83·2	79·0	89·8	79·2	90	76	74	150	85·4	84·1	77	75	32·1	29·7	83	61	W.	1	E.	3
2	85	30·000	89	29·962	29·795	29·746	84·8	77·8	90·6	79·7	91	78	72	157	86·1	84·7	75	74	29·6	29·0	72	60	N.E.	1	E.XS.	3
3	86	30·052	89	30·014	29·845	29·798	85·4	79·6	91·5	82·2	92	78	74	158	86·2	84·8	77	80	31·2	34·6	77	67	E.XN.	2	E.	4
4	86	30·072	89	30·010	29·865	29·794	84·6	80·0	89·2	79·8	91	78	75	157	86·4	84·8	79	76	33·6	30·2	81	65	N.E.	2	N.E.XE.	3
5	85	30·056	90	29·985	29·851	29·766	85·2	79·2	92·0	80·0	93	78	74	156	86·5	84·9	77	75	31·2	29·6	76	58	Calm	0	N.E.XE.	3
6	86	30·026	89	29·970	29·819	29·754	85·0	79·0	90·0	81·0	92	78	73	160	86·9	85·0	77	77	31·2	32·1	76	67	N.E.	2	E.	4
7	85	30·042	86	29·972	29·837	29·765	83·5	78·2	87·0	79·0	88	78	75	148	86·0	85·0	76	76	30·9	30·3	78	69	Calm	0	N.XE.	3
8	82	30·036	85	30·000	29·839	29·795	79·2	76·8	84·6	78·4	88	75	73	136	86·1	85·0	75	77	30·1	31·2	89	75	N.XW.	1	W.N.W.	2
9	80	30·052	82	29·986	29·862	29·789	76·0	74·0	82·6	76·8	84	74	73	130	84·5	85·0	73	74	27·8	29·0	91	76	N.	3	N.N.E.	2
10	81	29·988	84	29·936	29·795	29·734	79·0	77·0	85·0	78·2	85	76	74	145	84·2	84·8	76	75	30·8	29·6	91	73	N.N.E.	2	N.E.	3
11	81	29·932	84	29·906	29·739	29·704	79·8	76·8	84·2	79·8	86	76	73	147	84·0	84·6	76	78	30·3	32·4	87	82	N.E.XN.	1	N.E.XE.	3
12	83	29·936	87	29·885	29·737	29·675	83·8	78·8	88·8	79·0	90	77	74	156	84·2	84·4	77	75	31·6	29·4	79	63	N'ly	1	N.E.XE.	3
13	84	29·915	87	29·868	29·713	29·658	82·8	79·8	89·0	79·5	89	78	75	155	84·8	84·4	79	76	33·6	30·2	87	65	N.E.	2	E.N.E.	3
14	84	29·878	85	29·849	29·676	29·644	81·6	78·3	85·2	79·2	88	80	76	150	85·0	84·4	77	77	31·7	31·2	86	76	N.	1	N.E.	2
15	83	29·880	83	29·850	29·681	29·651	81·6	77·4	81·0	77·8	86	78	75	158	85·0	84·7	76	77	31·0	31·4	82	86	N.N.W.	1	S.W.	3
16	81	29·906	81	29·850	29·713	29·657	77·8	75·2	80·0	77·0	83	75	73	112	83·7	84·3	74	76	29·0	30·3	88	87	N.E.	2	N.N.E.	2
17	81	29·936	84	29·893	29·743	29·691	81·2	77·6	85·0	78·2	90	76	73	152	83·3	84·3	76	75	30·7	29·6	85	73	N.N.E.	2	N.N W.	4
18	81	30·016	86	29·983	29·823	29·776	79·2	76·6	90·4	79·0	92	77	74	156	83·3	84·2	75	73	30·1	28·2	89	59	N.	3	N.XW.	5
19	83	30·106	87	30·056	29·907	29·846	83·4	78·0	85·6	81·8	91	76	71	161	83·8	84·1	75	80	29·8	35·6	78	85	Calm	0	E.N.E.	3
20	82	30·087	85	30·038	29·890	29·833	82·2	78·0	86·2	80·0	87	75	72	154	83·9	84·1	76	78	31·0	32·3	82	75	Calm	0	S.XW.	3
21	83	29·978	85	29·964	29·779	29·757	81·0	78·0	85·0	80·0	85	77	73	149	84·0	84·5	77	78	31·4	32·8	87	79	W.S.W.	3	S.W.XS.	5
22	83	29·980	84	29·940	29·781	29·738	80·0	76·6	83·8	78·0	84	78	75	151	84·8	85·4	75	75	29·6	30·1	85	76	W.XS.	2	S.S.E.	3
23	81	29·976	84	29·940	29·783	29·738	78·8	75·8	86·6	77·8	87	76	73	154	84·6	85·0	75	74	29·3	28·8	86	66	W.S.W.	2	S.E.XE.	3
24	83	29·913	84	29·876	29·714	29·674	83·0	78·0	84·8	78·0	88	77	74	153	85·0	84·8	76	75	30·5	29·6	79	73	E.S.E.	4	S.E.	3
25	83	29·884	85	29·852	29·685	29·647	83·0	77·6	85·0	78·4	85	78	74	148	85·0	84·8	75	76	29·8	30·4	77	73	S.E.XS.	3	S.S.W.	4
26	82	29·807	84	29·774	29·610	29·572	80·4	77·8	83·4	78·6	84	76	75	157	85·7	85·5	76	76	31·1	30·5	89	80	W.	3	S.S.W.	4
27	82	29·770	83	29·726	29·573	29·529	77·4	76·6	84·0	79·6	84	76	75	156	85·4	84·6	76	78	30·2	32·4	96	82	S.WXW.	3	S.WXW.	5
28	83	29·782	85	29·746	29·586	29·543	82·0	77·8	86·0	80·0	87	76	73	151	85·0	84·7	76	78	31·0	32·3	82	76	N.W.	1	S.W.XS.	6
Tls.	2323	839·014	2394	837·769	833·447	831·999	2284·9	2175·3	2416·3	2216·0	2460	2151	2065	4217	2378·8	2370·9	2129	2134	860·2	862·8	2338	2027	...	..	...	..
Mns	83·0	29·965	85·5	29·920	29·766	29·714	81·6	77·7	86·3	79·1	87·9	76·8	73·8	150·6	85·0	84·7	76·0	76·2	30·7	30·8	83·5	72·4	...	..	...	..

Temperature—
- Daily Range: Mean Max.—Mean Min—11·1°
- Greatest Range—15° on 5th, 18th and 19th.
- Least Range—6° on 22nd.
- Mid Temperature: ½ (Max.+Min.)—82·3°.
- Highest Maximum—93° on 5th.
- Lowest Minimum—74° on 9th.
- Lowest Maximum—83° on 16th.
- Lowest Maximum—83° on 16th.
- Highest Minimum—80° on 14th.
- Lowest Grass Minimum—71° on 19th.

Humidity—
- Greatest Humidity—96 per cent. on 27th at 8 a.m.
- Least Humidity—58 per cent. on 5th at 2 p.m.

Air Pressure—
- Highest Value at M.S.L.—29·907″ on 19th at 8 a.m.
- Lowest Value at M.S.L.—29·529″ on 27th at 2 p.m.

No. of Days of—
- Rain—22.
- Hail—0.
- Thunderstorms—0.
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—8·29″ or 210·57 mm.
- Average for 53 years 11·36″.
- Difference from normal—3·07″.
- Greatest fall in 24 hours—1·85″ or 46·99 mm. on 15th.
- Total since 1st January—17·07″.

VISIBILITY SUMMARY —No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	0	1	0	1	0	7	9	10
2 p.m.	0	0	0	0	0	0	0	0	0	0	2	4	10	12

Standard Distance of Objects used for Estimate of Visibility:— X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18¾ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	5	8	9	6
2 p.m.	0	4	7	12	5

FEBRUARY.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters). Before Obser'tion.	At time of Obser'tion.	Between Obser'tion hours.	At time of Obser'tion.	After Obser'tion.	Visibility.		Cloud. Amount (0–10).		Form.		Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	State of ground.		Sunshine (hours and tenths).	Day.
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II		
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)	
															"	"				
148·8	6·2	cP,bc	bcjp	c,bc,b	b	b,bc	L	M	6	3	ci/cu-nb	ci/cu/cu-nb	-/E.S.E.	-/E.S.E.	..	Trace	1	0	11·1	1
168·0	7·0	bc,b	b	b	b	bz	L	L	2	2	cu	ci/cu	N.E.	-/N.E.XN.	..	..	0	0	12·0	2
156·0	6·5	b	b	b	b	b,bc,cp	L	L	1	3	cu	fr-cu	E.	E.	..	0·19	0	0	11·9	3
134·4	5·6	cp,bc	bc	bc,cpq	bc	bc,b	M	M	4	4	cu/cu-nb	ci/cu/cu-nb	N.E.	N.E./N.E.	0·04	Trace	0	0	10·0	4
127·2	5·3	b,bc	bc	bc,b	by	bc,cl,b	L	M	6	2	ci/cu/cu-nb	cu/cu-nb	?/N.E.	N.E.	..	..	0	0	11·1	5
129·6	5·4	b	b	b,bc,c	c	c,ol	L	M	3	7	ci/cu	ci/cu/cu-nb	?/N.E.	W./N.E.	..	Trace	0	0	7·8	6
156·0	6·5	c,o	o	oRdq,c	o	0ll	L	L	9	9	cu-nb	ci/cu/cu-nb	E.	?/N.E.	0·19	0·18	0	0	0·8	7
153·6	6·4	oirllq	o	ojp	o	oq	M	M	10	10	a-st	a-st/cu-nb/st	....	-/N.	Trace	0·61	1	0	0·0	8
141·6	5·9	oqirR,d	od	od,id	oid	oid,r	M	M	10	10	a-st/st	a-st/cu-nb	?/N.N.E.	?/N.N.E.	Trace	0·26	1	1	0·0	9
139·2	5·8	oid,rq	oid	oid,rq	o	oqirRd	K	M	10	10	st-nb	a-st/cu-nb/nb	N.E.XN.	?/N.E.	0·08	0·33	1	1	0·3	10
117·6	4·9	oq	o	c,opq	oq	oPq,c,bc	M	L	9	9	ci-st/st	ci-st/cu-nb	S.W./N.E.	?/N.E.	0·39	0·03	1	1	3·4	11
242·4	10·1	cp,bc	bc	bc,cp	bcv	bcq,coP	M	M	6	5	ci/cu/cu-nb	ci/cu/cu-nb	S.W./N.E.	S.W./N.E.	0·02	0·25	1	0	9·4	12
249·6	10·4	bcp	bc	bc,cPoq	bc	bc,b,cPpol	L	L	4	5	ci/cu/st	cu-nb	S.W./N.E.	N.E.	0·30	0·13	1	1	9·9	13
40·8	1·7	c,bc,op	ojp	c,oPpTLq	o	op,c,bc	K	M	9	9	a-st/nb/st	ci-st/nb/st	-/S.S.W.	?/N.W.	0·15	0·10	1	1	1·7	14
108·0	4·5	o,cv	cv	cv,opq	ojpq	oPRrdd,	M	J	8	10	st-cu	nb/st	N.N.E.	W.S.W.	0·02	1·83	1	1	2·1	15
160·8	6·7	odd,id	oidv	oid	oid	oid,c,bcp	M	L	10	10	st	a-st/st	N.N.W.	?/N.W.	0·10	0·03	2	2	0·5	16
211·2	8·8	cp,o	c	bc,cqpo	ojpq	oq,c,bc,op	L	M	8	9	ci-st/cu/cu-nb	ci/cu-nb/st	?/N.W.	NW/NNW.	0·07	0·06	1	1	4·7	17
213·6	8·9	op,cv	cvp	cp,bcv	bcjpq	cpq,bc,	M	M	7	6	ci/st-cu/st	cu/cu-nb	N.W./-/N.	N.N.W.	0·01	0·04	1	0	10·0	18
153·6	6·4	b	b	b,bc,cPq	cPq	oPTLq,b	M	K	2	7	ci/cu	cu/nb	?/N.	E.N.E.	0·22	0·60	0	1	7·2	19
196·8	8·2	b	b	b,bc	bc	bc	M	M	3	6	ci/cu	ci/cu-nb	-/S.W.	S.S.E./S.	..	Trace	2	1	11·2	20
331·2	13·8	c,o	o	c,bc	bc	bc,cp,b	L	L	10	5	cu-nb	ci-cu	S.W.	S.W.	..	0·08	1	1	8·6	21
244·8	10·2	c,op	op	op,Pq,c	c	c,po	K	L	9	8	cu-nb/st	cu-nb	W.S.W.	S.	0·16	0·34	1	1	4·7	22
110·4	4·6	cpo	ojp	cp,bc	c	bc,c	I	L	9	7	nb/st	ci-st/cu-nb	S.S.E.	ESE/ESE.	0·01	0·01	1	0	6·4	23
177·6	7·4	bc,cp	bc	bc,copq	o	opq,c,bc	K	K	5	9	cu/cu-nb	cu-nb/st	E.S.E.	S.E.	0·11	0·09	0	1	5·6	24
379·2	15·8	bc,cp	bc	bc	bc	bc,cp	K	K	5	6	ci/cu-nb	ci/cu	? S.S.E.	S./S.S.W.	..	0·07	1	0	10·6	25
369·6	15·4	copq	o	oc,	c	c,bc,oq	K	L	9	8	ci-st/nb/st	ci-st/cu-nb	W./S.W.	S.S.W./?	Trace	0·95	0	0	3·8	26
285·6	11·9	oqp,irR	oir	cpq,bc	c	cq,bc,b	G	J	10	8	st	ci-st/st	W.S.W.	W.S.W./S.W.	0·04	0·20	2	1	4·9	27
242·4	10·1	cp,bc,b	bc	bc,c	c	c,b	K	K	5	7	ci-st/cu/cu-nb	ci-st/cu	-/W.S.W.	WXS/WSW.	..	..	1	0	11·0	28
5289·6	220·4	....	...	....	...	....	..	..	189	194	.....	.....	....	.....	1·91	6·38	..	..	180·7	Totals
188·9	7·9	....	...	....	...	....	..	..	6·8	6·9	.....	.....	....	....	..	..	..	..	6·5	Means

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7	1/3	Calms.	N.N.W.	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.
8 a.m.	0	1	23	4	1	5	2	6	0	1	1	1	0	0	0	1	2	3	0	1
2 p.m.	0	9	19	0	1	2	2	6	1	4	1	2	1	1	2	4	0	0	1	0
Total	0	10	42	4	2	7	4	12	1	5	2	3	1	1	2	5	2	3	1	1

Prevailing Direction, N.E.; 8h., N.E.; 14h., N.E.: Maximum velocity, 37 m.p.h. from N. x W. at 1220 on 16th and from W. at 1442 on 19th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

FEBRUARY, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	3·6	10·3	15	3·7	8·4
2	3·7	11·0	16	4·9	10·7
3	4·6	11·3	17	4·5	13·6
4	3·2	11·6	18	4·9	11·3
5	3·5	12·5	19	3·5	12·5
6	4·1	12·8	20	3·7	8·4
7	3·4	10·7	21	4·0	10·3
8	3·6	9·2	22	4·9	12·8
9	6·3	13·3	23	4·9	14·5
10	5·5	10·7	24	3·7	8·7
11	3·7	8·7	25	4·4	13·6
12	4·1	10·0	26	4·9	9·4
13	3·7	8·2	27	4·8	13·2
14	4·9	9·4	28	3·8	10·5
Totals	..	...	..	118·5	307·6
Means	..	...	..	4·2	11·0

WEATHER DIARY—FEBRUARY, 1937.

Date.

1. Variable winds force 0/3 early, mainly N'ly. Cloudy and heavy showers 0215 to 0605. Half cloudy 0745, then gradually clearing to quarter cloudy. Wind backed E. by 1000, increasing force 3, falling off 1900 backing N.E. Trace of rain at 2205.
2. N.N.E. to N.E. airs to calm early. Moderate N.E.xN. squall at 0020. Fine and clear sky all day and night. Wind gradually increased 0806, veering E. 1016, backing N.E. 1220, veering E. force 3/5, squally, 1318, falling off 1720, gradually backing N'ly. Slight haze during late afternoon.
3. Early morning fine, clear sky and N'ly airs to calm. Light E. breeze 0055 to 0220. Light E.xN. breeze 0755, increasing force 3/4 and varying between E.xS. and N.E., falling off 2040. Variable sky at night. Showers from 2015.
4. Showers to 0435. N'ly winds force 1/2 early and mainly half cloudy. Light N.E. breeze 0755, increasing force 3, falling off 1800 to N'ly airs to calm. Moderate squalls at 1140 and 1335. Showers 1010 to 1140, then fine and half to quarter cloudy. Cloudless during early evening. Lightning 2000 to about 2200.
5. N'ly airs to calm early, fine and half to quarter cloudy. Wind gradually increased force 3/4 veering N.E'ly, falling off 1720 and sky becoming cloudy, clearing again about 2300. Lightning 2130 to about 2400.
6. N'ly airs to calm early and fine and clear sky. Light N.E. breeze 0750, increasing force 3, veering E.S.E. 1146 force 3/4, falling off after 1600, gradually backing N.E'ly. Cloudy afternoon, overcast night and occasional lightning.
7. Variable N.E. airs to calm early, increasing force 2/3, veering E. 0945, backing N'ly after 1100, gradually veering E.N.E. after 1300. Moderate squalls at 1030 and 1140. N.N.E. airs to calm 2200. Cloudy to overcast all day and night. Heavy rain 1030 to 1045. Drizzle 1200 to 1215. Vivid lightning throughout the night.
8. Moderate to fresh N.E. squall 0100 to 0140 then N.E. to N. winds force 1/3. Lightning to about 0200. Overcast all day. Intermittent rain 0100 to 0435. Wind backed W.N.W. 1300, falling off after 1400, veering S.E. force 2 by 1540, gradually increasing and backing E. Fresh squall at 2000 then rapidly falling off backing N.E. Maximum wind velocity 28 m.p.h. from N.E. at 0130.
9. N.E. airs to calm early, veering E. force 3/4 squally 0510, backing N. 0552. Light to heavy intermittent rain 0458 to 0745, then very thin intermittent drizzle. Rain 1550 to 1700. Wind fell to force 2 after 1200, gradually falling off, veering E. 1700, backing E.N.E. and N.E. 1725. Overcast all day.
10. Variable E.N.E. to N.N.E. winds early force 1/2. Gentle squalls 0100 and 0145. Very thin intermittent drizzle and rain 0100 to 0355 and 0840 to 1040. Moderate to heavy intermittent rain 1500 to 1615 then drizzle to 1730 and 2335 to 2350. Wind increased force 3/4 0830 from N.E'ly. Fresh E'ly squalls 1535 to 1605 then rapidly falling off to N'ly airs. Overcast all day. Moderate N.E. squall at 2342. Maximum wind velocity 27 m.p.h. from E. at 1556.
11. N.E. airs early with gentle squall at 0025. Overcast. Light to gentle breeze 0955, becoming squally force 1/4 1055, varying between E. and N. but mainly N.E. falling off 1800. Cloudy to overcast all day. Heavy showers 1118 to 1500. Maximum wind velocity 22 m.p.h. from E.N.E. at 1457.
12. Early morning half cloudy, bright and N.E. to N'ly airs to calm, veering N.E. force 2 0805. Cloudy and showers 0415 to 0420, 1040 to 1100 and heavy showers 1942 to 2000. Gentle to moderate breeze 0945, veering E.N.E. 1640, falling off, backing N.E. 1855. Moderate squalls at 1542 and 1954. Gentle squall 2240.
13. N'ly winds early force 0/2, half cloudy and bright. Showers 0450 to 0740. Cloudy and heavy showers 0942 to 1232, then fine and half cloudy, clear sky at times. Variable sky at night. Heavy shower 2035, light shower 2305 to 2315. Wind increased force 2/4 squally with strong squall 1150 to 1156. Wind generally E.N.E. after 1140 but occasionally veering E. to E.S.E. falling off after 1800 becoming variable 2000, backing W.S.W. force 3 2250. Lightning 2030 to 2300. Maximum wind velocity 31 m.p.h. from E.xS. at 1154.
14. Gentle W.S.W. breeze early, becoming N. variable 0545, falling to force 1. Showers 0430 to 0435, 0640 to 0652 and 0845 to 0850. Mainly overcast all day and light variable winds to calm. Gentle to moderate W.N.W. squalls 1200 to 1230 and from W. to S.W. 1815 to 1830. Heavy and light showers 1213 to 1305 and severe thunderstorm to N.W. to 1230. Light showers 1655 to 2020. Occasionally half cloudy at night.
15. Cloudy to overcast all day and night. N.E. to N.W. winds force 1/2 early. Unusual visibility. Variable airs to calm 0900 to 1100, then W.S.W. to S.W. winds to 1545 with fresh squall 1120 to 1135 and gentle to moderate squall 1348 to 1404. N'ly winds force 1/2 after 1545 Light showers 1018 to 1340, heavy showers 1515 to 1552; heavy rain 1630 to 1715; moderate rain to 2000, then drizzle
16. Light N'ly winds early, overcast and drizzle to 0430, then thin intermittent drizzle. Unusual visibility. Drizzle 0956 to 1200, then thin intermittent drizzle. Variable sky at night. Shower 2350. Wind backed N.W'ly gusty 0900, veering N. to N.N.E. 1246 force 2/3.

Date.

17. Light showers to 0330. Cloudy to overcast and light to gentle N.E. to N.N.E. winds. Moderate squall at 0816. Wind increased force 4/6 squally, with occasional high squalls, backing N. to N.N.W., moderating 1348, gradually falling to force 2, 1640 veering N.E'ly after 1700. Showers 0918 to 0923, 1240 to 1250 and 1730 to 1740. Maximum wind velocity 37 m.p.h. from N.xW. at 1220.
18. Light to gentle N.E. winds early, backing N.W. after 0630, veering N'ly 0748. Cloudy and light to moderate showers 0130 to 0210, 0730 to 0800, 1000 to 1010 and 1435 to 1445. Half cloudy bright and unusual visibility between showers. Wind increased force 5/6, squally, 0915, gradually falling to force 1/2 after 1700. Clear sky at night. Maximum wind velocity 34 m.p.h. from N.xW. at 1140 and 1226.
19. Variable N.E. airs to calm early, fine, clear sky and unusual visibility. Light to gentle N.N.W. to N.W. breeze 0830, backing E.S.E. 1208, cloudy to overcast and heavy showers 1330 to 1600. Severe thunderstorm 1422 to 1520, lightning to 2015. Wind became squally 1400, rapidly backing W'ly reaching maximum of 37 m.p.h. at 1442, then rapidly falling off to light N'ly. Clear sky after 2000.
20. N'ly airs to calm early, fine and clear sky. Light S.W. breeze 0815, backing S'ly force 3, increasing force 4 1420, veering S.W. 1532 and to W'ly 1940, falling off. N'ly airs 2200. Half cloudy during the day and at night.
21. N'ly airs to calm early and cloudy to overcast. Gentle to moderate W.S.W'ly winds 0700, backing S.W. and S.S.W. 1000 increasing force 4/6 and sky becoming half cloudy. Wind gradually moderated after 1800. Variable sky at night but mainly clear. Showers at 1644 and 2148. Maximum wind velocity 28 m.p.h. from S.S.W. at 1558.
22. Cloudy to overcast all day and showery from 0248. Wind veered W'ly force 2/3 0410, fresh S.W. squall at 0840, 19 m.p.h. Gentle to moderate S. to S.S.E. breeze 1012 with fresh squall 22 m.p.h. 1120 to 1124, veering S.W. after 1800, falling to force 2/3, rapidly backing N'ly 1920.
23. Light N'ly winds early. Light to gentle W.S.W'ly breeze 0142 and occasional moderate gusts. Cloudy and showery to 0920, then half to three-quarter cloudy. Wind veered N.W'ly 0950, rapidly backing E.S.E. force 3/4 0948.
24. Half to three-quarter cloudy morning. Light showers 0510 to 0900. Rainbow 0805. Light to heavy showers. 1210 to 1530 and light shower at 1920. Mainly fine and half cloudy at night. N'ly airs 0210. Gentle to moderate E.S.E. breeze 0700 with fresh squalls at 1216 and 1515. Variable winds 1220 to 1625 then gentle E.S.E. breeze.
25. Gentle E.S.E. breeze early, gradually veering S.S.E. Mainly fine and half cloudy all day. Cloudy and light showers 0630 to 0735 and 1816 to 1821. S'ly breeze 0840, veering S.S.W'ly 1114, increasing force 4 1320 and to force 4/5, 1920.
26. Gentle to strong squally breeze 0000 to 0600 between W. and S.S.W. but mainly S.W. then falling to force 3, veering W. 0730. Showers 0038 to 0042 and 0420 to 0540. Cloudy to overcast. Moderate S.S.W'ly breeze after 0900, veering W'ly 1700. Fresh squalls at 1606 and 1720. Gentle breeze 1740, becoming squally from S.W. to W. 2040 Bright intervals during the afternoon. Pretty sunset. Cloudy to overcast night, scud from S.W. Lunar halo 2100. Maximum wind velocity 32 m.p.h. from S.S.W. at 0432.
27. Early morning cloudy to overcast, fresh to high, squally W. to S.W. winds, moderating 0400. Gentle breeze 0720. Shower 0115 to 0120. Moderate to heavy intermittent rain 0435 to 0835. Gentle to high squally winds again from W. to S.W., falling to force 3 from W. 1540. Strong squalls at 1638 and 1710 to 1714. Cloudy and showers 1110 to 1820. Pretty sunset. Occasional bright intervals during the day, mainly clear sky at night. Maximum wind velocity 34 m.p.h. from S.S.W. at 0110 and from S.W. at 1240.
28. Light N'ly winds to calm 0130. Cloudy and light showers 0240 to 0440, then fine and clear sksy. Gentle S.W. breeze 0940, backing S.S.W. increasing force 5/6 1200, moderating 1600, gradually falling off 1900 veering N'ly airs 2200. Half to three-quarter cloudy during the day, ci-st predominating. Cloudless night, stars shining very brightly. Solar halo 0215. Maximum wind velocity 27 m.p.h. from S.W.xS. at 1410.

ADDITIONAL NOTES.

A hot and fairly dry month with mean temperature 1·8° above normal, and rainfall 3·07″ below normal. Mean pressure at 8 a.m. was 0·029″ below normal. N.E. to N. winds prevailed up to the 18th when a change to S.W. to Westerlies occurred. Winds were frequently fresh to strong, with occasional high squalls.

On 8th a cyclone developed to the N.E. of the New Hebrides and moved fairly slowly to the S.W., passing a short distance North of Malekula Island.

On 12th and 13th there appeared to be shallow depressions in the central portion of the Group.

A cyclone developed to the Westward of Nukualofa on the 21st passing close to the South at 10 p.m. It appears then to have moved to the N.E., returning in a W.S.W. direction on 23rd, passing a short distance North of Nukualofa on the night of the 23th, when the worst hurricane in 22 years was experienced. The lowest barometer at Nukualofa was 28·90″ between 1130 and 1200 G.M.T. on 24th. The storm centre then appeared to move to the W.N.W. and caused moderate to strong S.W'ly winds at Suva until March 1st. It is probable that some parts of Southern Lau may have experienced winds of full gale force.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

MARCH, 1937.

MARCH.

Day.	Attached thermometer and barometer as read in inches. I		II		Air Pressure at Mean Sea Level in the Units of Measurement. I	II	Temperature (degrees F.) In Screen. I Dry.	Wet.	II Dry.	Wet.	Maximum.	Minimum.	In Open. Grass Min. Eve to Morn.	Max. in Sun. Black Bulb in vacuo.	In Ground. I 1 foot.	4 feet.	Humidity. I Dew Point.	II	I Vapour Pressure.	II	I Per-centage.	II	Wind Direction and Force (Beaufort Scale). I		II
							Tenths.				Whole Degrees.				Tenths.										
	(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)
	°	"	°	"	"	"	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.			.. Dir.	F	Dir.
1	83	29·820	86	29·788	29·621	29·581	82·8	75·2	85·2	80·0	87	74	69	154	85·3	85·0	72	78	26·5	32·8	69	79	Calm	0	S.W.
2	82	29·842	85	29·834	29·645	29·629	81·2	76·0	84·8	78·0	85	74	69	148	85·5	85·2	74	75	28·4	29·6	78	73	Calm	0	S.
3	82	29·914	85	29·880	28·717	29·675	82·3	77·7	87·4	79·0	87	76	72	156	86·1	85·0	76	75	30·2	29·5	81	68	N.	1	E.S.E.
4	83	29·984	86	29·974	29·785	29·767	83·8	77·4	86·8	78·4	88	77	74	153	86·0	85·0	75	75	29·3	29·5	74	67	E.S.E.	2	S.E.
5	84	30·054	85	30·008	29·852	29·803	83·2	75·4	85·0	78·8	86	76	69	153	86·0	85·0	71	77	26·1	31·2	69	75	S.E.XE.	2	S.
6	85	30·024	88	29·952	29·819	29·739	82·4	78·0	89·8	81·2	92	76	72	151	86·0	85·1	76	78	30·2	33·0	82	68	N.	1	E.S.E.
7	86	30·022	88	29·962	29·815	29·749	84·4	79·0	90·0	81·6	91	77	73	157	86·2	85·2	76	78	30·9	33·0	78	69	N.E.XE.	1	E.
8	85	30·004	88	29·950	29·799	29·737	83·6	79·2	83·6	80·2	90	79	74	154	86·2	85·1	78	79	32·4	34·0	82	86	E.	2	E.XN.
9	84	29·988	86	29·938	29·786	29·731	82·4	78·0	86·2	78·8	86	78	75	131	86·2	85·1	76	75	30·2	30·0	82	71	E.N.E.	3	E.
10	84	29·992	88	29·947	29·790	29·734	83·0	79·6	89·2	80·6	91	77	73	154	84·9	85·1	78	77	32·9	31·8	86	68	N.N.E.	2	N.E.
11	84	29·958	86	29·910	29·756	29·703	82·8	79·2	86·5	81·1	87	78	74	165	85·6	85·2	78	79	32·9	34·3	85	78	Calm	0	S.S.W.
12	84	29·957	86	29·922	29·755	29·715	82·0	78·2	84·8	79·8	85	77	74	151	86·0	85·0	76	78	31·0	32·8	84	79	N.XE.	1	S.
13	82	29·986	81	29·979	29·789	29·786	79·8	77·8	75·8	74·8	83	77	74	128	86·0	86·1	77	75	31·9	29·2	91	95	Calm	0	S.XE.
14	81	30·000	80	29·952	29·807	29·762	77·0	76·4	75·4	74·8	79	74	74	128	83·2	84·4	76	74	30·9	28·9	97	97	S.E.XE.	3	S.
15	79	29·930	83	29·883	29·742	29·685	78·0	74·0	84·0	78·0	87	72	71	155	82·2	83·0	72	75	26·9	30·1	82	76	N.N.E.	1	S.W.
16	79	29·995	82	30·004	29·807	29·807	75·2	75·0	81·8	78·0	82	75	73	126	83·0	84·0	75	76	29·7	31·0	99	84	N.N.E.	2	N.XE.
17	79	30·080	83	30·024	29·892	29·825	77·0	75·8	83·8	77·6	86	76	72	139	82·9	84·0	76	75	30·2	30·1	94	75	N.XE.	1	E.
18	82	30·036	85	29·986	29·839	29·781	80·8	77·4	87·3	80·3	88	77	73	147	83·2	84·0	76	77	30·7	31·9	85	73	N.XW.	1	E.S.E.
19	82	29·994	82	29·940	29·797	29·743	79·8	77·2	79·4	77·4	82	76	74	118	84·1	84·0	76	76	31·1	30·8	89	91	Calm	0	S.XE.
20	79	29·978	79	29·922	29·790	29·734	73·0	72·4	75·4	74·6	79	72	70	120	80·1	83·6	72	74	27·0	28·2	97	96	N.	1	S.W.
21	80	29·990	82	29·938	29·800	29·741	79·0	73·0	85·0	76·2	86	75	73	155	81·2	83·3	70	72	25·1	26·7	74	65	E.XS.	2	E.S.E.
22	79	30·016	82	29·987	29·828	29·790	78·6	74·4	80·6	76·0	85	74	72	150	81·5	83·3	73	75	27·9	29·2	81	80	E.N.E.	2	N.XE.
23	80	30·050	85	30·010	29·860	29·805	80·2	73·2	86·4	75·4	87	73	67	147	81·1	83·2	69	70	24·6	24·8	70	58	N.XE.	1	N.E.
24	81	30·012	83	29·962	29·819	29·763	79·2	76·2	79·4	78·2	85	75	74	145	82·2	83·0	75	78	29·3	32·3	87	95	N.E.	2	N.E.
25	82	30·008	87	29·946	29·811	29·736	82·2	77·4	87·8	79·8	89	76	72	147	82·4	83·1	75	77	29·5	31·4	80	69	N.XE.	2	N.E.XE.
26	83	30·038	84	29·990	29·839	29·788	81·6	77·2	80·2	78·0	89	78	73	150	83·0	83·2	76	77	30·2	31·9	82	80	N.N.W.	1	N.E.
27	82	30·110	85	30·078	29·913	29·873	81·8	78·2	85·0	80·0	86	76	72	147	83·0	83·2	77	78	31·7	32·8	85	79	Calm	0	S.
28	83	30·104	84	30·008	29·905	29·806	81·2	77·0	84·0	80·0	84	75	73	152	83·6	83·3	75	78	29·9	33·2	82	83	Calm	0	S.
29	83	30·012	84	29·956	29·813	29·754	81·2	77·4	84·6	78·2	85	76	73	148	84·4	83·9	75	76	29·9	30·4	84	74	N.E.	1	E.S.E.
30	82	30·009	85	29·960	29·812	29·755	80·0	77·2	87·4	78·0	87	75	73	151	84·4	83·9	76	73	30·3	28·0	88	65	N.N.W.	1	E.
31	82	30·050	86	30·036	29·853	29·829	80·4	78·0	86·0	77·4	88	74	72	152	84·3	83·8	76	74	31·1	28·4	89	67	NW.XN.	1	E.
Ttls.	2546	929·957	2619	928·626	923·856	922·326	2499·9	2378·1	2608·6	2430·2	2672	2345	2243	4532	2605·8	2611·3	2323	2354	918·9	950·8	2586	2393	...	..	...
Mns	82·1	29·999	84·5	29·956	29·802	29·752	80·6	76·7	84·1	78·4	86·2	75·6	72·4	146·2	84·1	84·2	74·9	75·9	29·6	30·7	83·4	77·2	...	..	...

Temperature—
- DailyRange: Mean Max.—Mean Min.—10·6°.
- Greatest Range—16° on 6th.
- Least Range—5° on 14th.
- Mid Temperature: ½ (Max. = Min.)—80·9°.
- HighestjMaximum—92° on 6th.
- Lowest Minimum—72° on 15th and 20th.
- Lowest Maximum—79° on 14th and 20th.
- Highest Minimum—79° on 8th.
- Lowest Grass Minimum—67° on 23rd.

Humidity—
- Greatest Humidity—99% on 16th at 8 a.m.
- Least Humidity—58% on 23rd at 2 p.m.

Air Pressure—
- Highest Value at M.S.L.—29·913″ on 27th at 8 a.m.
- Lowest Value at M.S.L.—29·581″ on 1st at 2 p.m.

No of Days of—
- Rain—26.
- Hail—0.
- Thunderstorms—5.
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—17·53″ or 445·26 mm.
- Average for 52 years—14·82″.
- Difference from normal—+2·71″.
- Greatest fall in 24 hours—7·87″ or 199·90 mm. on 19th.
- Total since 1st January—34·60.

VISIBILITY SUMMARY —No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	1	0	1	0	0	4	14	11
2 p.m.	0	0	0	0	0	0	2	1	1	0	2	4	8	13

Standard Distance of Objects used for Estimate of Visibility:— X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18⅔ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	7	8	13	3
2 p.m.	0	2	7	16	6

MARCH.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters). Before Obser'tion.	At time of Obser'tion.	Between Obser'tion hours.	At time of Obser'tion.	After Obser'tion.	Visibility.		Cloud. Amount (0-10).		Cloud. Form.		Cloud. Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	State of ground.		Sunshine (hours and tenths).	Da
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II		
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)	
288·0	12·0	b	b	b,bc	bc	cpo,bc,d	L	K	3	6	ci-st/cu	ci/cu/cu-nb	?/W.S.W.	?/W.	..	0·20	0	0	10·0	1
134·4	5·6	b	b	b,bc,c	c	c,opq,bc	L	L	1	8	st-cu/cu	st-cu/cu-nb	WNW./WNW	WNW./WNW	..	0·07	1	0	8·8	2
146·4	6·1	bc,b	b	b,c,bc	bc	c,op,b	M	M	3	5	cu/cu-nb	cu/cu-nb	....	S.E.	..	Trace	0	0	9·2	3
177·6	7·4	b,bc	bc	bc,c	c	c,bc,b	M	M	6	7	fr-cu/cu-nb	cu/cu-nb	E.S.E.	S.E.	..	..	0	0	7·7	4
139·2	5·8	bc,b	b	bc,b	b	b	M	M	3	3	fr-cu	ci/fr-cu	S.E.	?/S.W.	..	..	0	0	11·3	5
136·8	5·7	b	b	b,bc	bcv	bcv,cl,b	M	M	1	4	cu	cu/cu-nb	E.	N.N.E.	..	..	0	0	10·2	6
144·0	6·0	b	b	b,bcv	bcv	bcv,c,b	L	M	3	4	cu	ci/cu/cu-nb	E.N.E.	ENE/ENE.	..	0·05	0	0	8·0	7
177·6	7·4	b,cp,bc	bc	bc,cP	cP	cp,bc,oPq	L	H	5	8	cu/cu-nb	cu-nb/nb	E.	E.	0·12	0·20	0	1	8·1	8
117·6	4·9	bc,c,opo	o	o	o	oiRrq,c	L	L	9	9	a-st/cu/st	ci-st/st	-/E.	?/E.	..	1·02	1	0	0·3	9
120·0	5·0	c,bc	bc	bc,c	c	c,o,b	L	M	6	7	ci/cu/cu-nb	ci/cu/cu-nb	WNW./NE.	WNW./NE.	..	0·02	2	1	7·2	10
122·4	5·1	bc,cpo	c	c,bc	bc	c,opotl,bc	M	L	7	6	ci/ci-st/cu/st	ci/cu/cu-nb	W./N.E.	SW./SSW.	..	Trace	1	0	6·1	11
100·8	4·2	c,o	o	c,bc,o	o	op,b	L	M	9	9	a-st/cu	ci/cu/cu-nb	N.W./?	W.N.W./S.	..	0·07	0	0	3·1	12
237·6	9·9	c,og	og	ogqiRr	oir	oirR	M	G	9	10	ci-st/a-st/cu/st	nb/st	W./?/-	S.S.E.	0·48	0·93	0	1	0·2	13
187·2	7·8	oirRq	oir	oirRq	oiR	oiRrd	F	F	10	10	nb/st	st	S.E.	S.XW.	0·94	0·76	2	2	0·0	14
112·8	4·7	oid	bcv	bcv,cpq	opov	c,opo,bc.b	M	M	6	7	a-cu/st-cu/cu	ci/cu/cu-nb	N/NNE.	NW./WNW.	0·02	0·27	2	2	6·7	15
103·2	4·3	oid	oidv	v,oid	oid	oid,c	M	L	10	10	a-st/st	a-st/st	N./N.N.E.	?/N.	0·08	0·12	2	2	0·0	16
81·6	3·4	od	od	od,id,cv	cidov	oid,cv,bcp	L	M	9	8	a-st/st-cu/st/nb	ci-cu-lent/cu/nb	-/E.	NW./S.E..	0·02	0·02	2	1	1·6	17
122·4	5·1	bc,c	c	o,c	c	bc,b,cp	M	M	7	7	ci-st/cu-nb	ci/cu-nb	?/E.S.E.	SSW./ESE.	..	0·04	1	0	9·6	18
146·4	6·1	c,od	ojp	o,id	ojp	odtl,rrRR	L	K	9	10	ci-st/cu-nb/nb	a-st/st	S.W./-	?/S.S.W.	Trace	7·87	1	1	0·4	19
220·8	9·2	oRRTLqrr	ogrr	oidrR	oir	oir	H	F	10	10	st	st	E.	E.	0·26	0·43	2	2	0·0	20
144·0	6·0	o	o	c,o	ojp	od,p	L	K	9	10	st-cu/st	a-st/nb	-/E.	?/E.S.E.	..	0·30	2	2	2·0	21
136·8	5·7	opP	o	c,ojp	ojp	op,c	K	J	9	9	st-cu/cu/st	nb/st	-/E.N.E.	E.N.E.	Trace	0·01	2	1	2·3	22
165·6	6·9	c,bc	c	c,o	oy	c,op,bc	K	L	7	9	a-cu-lent	st-cu/cu-nb	W.N.W.	WNW/NE.	..	0·34	1	1	6·1	23
182·4	7·6	bc,c,oPqd	c	bc,opPq	opq	opq,c,bc	K	J	7	9	ci-cu/cu-nb	ci-cu/cu-nb/nb	-/N.N.E.	NW./NNE.	0·54	0·04	1	1	4·9	24
141·6	5·9	bc,c	c	c,bc	bc	c,op,bc	L	L	7	5	ci-st/cu-st	ci/cu-nb	-/N.	-/N.N.E.	..	0·14	1	0	9·3	25
105·6	4·4	bc	bc	bc,coPq	c	cPo,bcl	M	L	6	8	ci/cu/st	ci/cu-nb	-N.N.E.	-/N.	0·41	0·05	1	2	3·8	26
144·0	6·0	bcv	bcv	bcv,c	cv	orRTL,id,c	M	M	5	8	ci/a-cu/cu	ci/cu-nb	-/-/-	WNW/SE.	..	0·67	1	0	7·8	27
132·0	5·5	c,bc	bc,	bc,c	c	bc,od	L	M	5	8	ci/ci-cu/cu/nb	ci/cu	S./-	S.W./E.	..	0·02	2	1	9·6	28
122·4	5·1	od,c	c	c,orqt,bcv	bcv	bcv,b	L	M	7	4	st-cu/cu-nb/st	a-cu/cu/cu-nb	N.W./S.E.	WSW./E.	0·32	0·15	1	1	7·1	29
160·8	6·7	cp,bc	bc	bc,b	b	b,bcP	K	L	6	3	st-cu/cu/cu-nb	cu/cu-nb	E./E.	E.	Trace	0·11	1	0	9·3	30
168·0	7·0	bcp,b	b	b,bc,cpo	cjp	bc,c,oPq	L	K	2	7	cu	cu-nb	E.	E.N.E.	Trace	0·44	1	0	8·0	31
4620·0	192·5	....	...	....	...	....	..	..	196	228	.....	.....	....	....	3·19	14·34	..	..	178·7	Tot
149·0	6·2	....	...	....	...	....	..	..	6·3	7·4	.....	.....	....	....	..	..	..	..	5·8	Mea

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	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.
8 a.m.	0	0	24	7	2	8	3	3	2	2	1	2	0	0	0	0	0	0	0	1
2 p.m.	0	8	23	0	0	2	0	5	0	6	5	1	0	8	1	3	0	0	0	0
Total	0	8	47	7	2	10	3	8	2	8	6	3	0	8	1	3	0	0	0	1

Prevailing Direction N.; 8h., N.; 14h., S.; maximum velocity, 36 m.p.h. from S.xE. at 1·45 p.m. on 13th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

MARCH, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	3·6	10·5	17	4·9	10·3
2	3·6	10·3	18	3·7	10·5
3	2·9	9·2	19	4·6	9·4
4	4·3	12·8	20	4·4	8·1
5	4·0	10·5	21	4·1	11·6
6	3·0	7·8	22	4·1	10·5
7	3·6	8·4	23	3·8	10·3
8	4·1	10·7	24	3·2	12·5
9	3·7	10·7	25	3·5	9·3
10	3·9	10·3	26	3·2	10·3
11	3·7	10·7	27	3·1	13·0
12	3·7	10·7	28	3·2	13·6
13	3·9	10·5	29	6·2	10·0
14	4·8	13·2	30	5·9	11·3
15	4·7	14·0	31	5·5	10·3
16	4·3	14·0	..	....	....
Totals	..	...	..	125·2	335·2
Means	..	...	..	4·0	10·8

WEATHER DIARY—MARCH, 1937.

Date.

1. N'ly airs to calm early and fine and clear sky. S'ly airs 0855, increasing force 5/6 after 1110, veering S.W., gradually veering W'ly after 1830 falling off. Half cloudy during the day. Cloudy and heavy showers 1620 to1635, then becoming fine with clear sky.
2. Early morning fine, clear sky and light to gentle W'ly winds, veering N'ly after 0200 falling off. Cloudy afternoon. Light S.W. breeze 0830, increasing force 3 backing S. and to S.E. force 2 1800, veering W. and N. variable 1948. Gentle W.N.W. squall at 2022 and showers 2015 to 2115, then half cloudy.
3. Early morning fine, clear sky and N'ly airs to calm. S'ly airs 0918, gradually increasing force 3 backnig E.S.E. and to E force 2 after 2000. Cloudy afternoon and evening. Trace of rain at 1830, sky clearing 2200.
4. Variable N'ly airs 0300, fine and half cloudy. Light E.S.E. breeze 0750, increasing force 3 and very gradually veering S.E., falling to force 2 1742. Cloudy afternoon, clear sky at night.
5. Light S.E. winds early and clear sky all day, wind backing N. 0620, veering S.E'ly 0740 and to S. force 2/3 1050, falling off 1700. N'ly airs to calm 1930.
6. N'ly airs to calm early, fine and cloudless. Light variable N.E'ly winds 0902, veering E.S.E. 1128, increasing force 4 1242, gradually backing N.E. after 1500, falling off 1710. Cloudy evening and threatening appearance to W. Lightning 1700 to 1710. Clear sky at night. Unusual visibility during afternoon.
7. N'ly airs to calm early and fine and clear sky. Light N.E'ly breeze 0800, increasing force 3 0900, veering E. force 3/4 1140, gradually falling off after 1515 backing N.E. 1800 and to N.N.E. 2000. Variable sky during the day but mainly half cloudy. Cloudy evening and threatening appearance to W., clearing later. Unusual visibility during the day.
8. N.E. to N. airs to calm early. Light N.E. breeze 0530, veering E. 0758, increasing force 3/4 0840 falling to force 2/3 1350, backing N.E'ly force 1 1720. Cloudy and showers 0520 to 0615 and at 0910, then variable sky but mainly half cloudy. Moderate to heavy showers 1340 to 1450 and 1915 to 1935 with moderate E.S.E. squall to 1930.
9. N.E'ly airs early, veering E. 0400, gradually increasing force 3/4 backing E.N.E. 0600 and to N.N.E. 0850. Cloudy to overcast all day. Light shower 0543 to 0548. Heavy to light intermittent rain 1545 to 1920 and 2245 to 2335. Wind very gradually veered E.S.E. after 1000. Fresh N.N.E. squall 1550 to 1600, then variable light winds to calm.
10. N'ly airs to calm early, fine and half cloudy. Light N.N.E. breeze 0700 veering N.E. force 3/4 0815, gradually falling off after 1500. N.E. to N. airs to calm 1715. Cloudy to overcast afternoon, clear sky at night. Zodiacal Light 1945.
11. N. to N.W. airs to calm early and cloudy. Light showers 0312 to 0340. Half cloudy during the day, becoming cloudy to overcast 1530. Light scattered showers 1600 to 1730. Distant thunderstorm to N. 1600 to 1700, lightning to 2130. Light to gentle S. to S.S.W. breeze 0925 to 1520, then light S.E'ly breeze backing N. 1800. Half cloudy night.
12. N'ly airs to calm early and cloudy to overcast. Variable sky during the day, cloudless night. Wind backed S'ly force 2, falling to force 1 variable 1446 but mainly N. Moderate squall 1610 to 1615. Showers 1515 to 1530.
13. Early morning overcast, gloomy and N'ly airs to calm. S.S.W. airs 1014, rapidly increasing force 4/6 1100 backing S.S.E., but was force 5/7 1300 to 1400. Gentle to moderate S.E. breeze 1900 gradually backing E.S.E. moderate to heavy intermittent rain from 1245. Maximum wind velocity 36 m.p.h. S. x E. at 1345.
14. Overcast all day and night and light to heavy intermittent rain to 1950, then intermittent drizzle. Variable N'ly winds 0100, backing to S.E'ly force 2/3 0235 with moderate gusts 0700 to 0900, backing W'ly 1040, veering S'ly after 1140, increasing force 4/6 squally 1300 to 1800 then light variable winds mainly N'ly. Maximum wind velocity 32 m.p.h. from S.S.W. at 1418.
15. Intermittent drizzle to 0145, then fine, half cloudy. Unusual visibility and N'ly airs to calm, increasing force 2/3 0912 and varying between N.W. and N.E. backing rapidly to W.S.W. in moderate squall 1312 to 1330, then light to gentle S.W'ly winds, veering to N'ly airs 1740. Cloudy and showery 1350 to 1700. Rainbow 1600. Clear sky at night.
16. Early morning overcast, occasional thin drizzle from 0210. Rain 0705 to 0750 then drizzle to 0815. N.E. to N. airs to calm early. Light to gentle variable N.E. to N.W. winds 0650 N'ly airs after 1700. Intermittent drizzle 0950 to 1430 Unusual visibility at times. Cloudy to overcast night.
17. Variable N'ly airs to calm early and overcast. Drizzle 0630 to 0900 then very thin intermittent drizzle to 1430, then sky gradually cleared. Shower at 2328. Wind very gradually veered E.S.E. by 1455 force 1/2, falling off 1800. N'ly airs to calm 1950.

Date.

18. N'ly airs to calm early and fine and cloudy. Wind veered rapidly to E.S.E. 0820 force 2/3, gradually falling off after 1600, backing to N'ly airs to calm after 1840. Half to quarter cloudy night, becoming cloudy 2250. Shower 2255 to 2300.
19. N'ly airs to calm early and overcast. Drizzle 0135 to 2000. S.W. airs 0830. Light to gentle S.W. winds 0830, gradually backing S.E. variable force 2, but mainly N'ly after 1800; occasional moderate gusts. Drizzle and light to very heavy rain 1445 and distant thunderstorm. Occasional vivid lightning during the night. 1·80″ of rain fell in one hour 2200 to 2300.
20. Variable winds early force 1/2 with gentle to moderate W.N.W. squalls 0220 to 0250. Very heavy rain to 0400 then light rain to 0820. Severe thunderstorm for a few minutes at about 0330. E.S.E. breeze 1450 rapidly increasing force 3/5 with occasional strong gusts. Intermittent drizzle, rain and heavy rain 1206 to 2115. Maximum wind velocity 26 m.p.h. from E.S.E. at 2358.
21. Overcast all day but fine until 1730 to 1800 when thin drizzle occurred. Moderate to fresh E.S.E. winds early falling to force 2/3 after 0320, E. to E.S.E., becoming variable 1612 but mainly N'ly. Showers 2230 to 2320.
22. Cloudy to overcast all day. Light variable winds early, mainly N'ly. Light to heavy showers 0350 to 0620. Light to gentle E.N.E. winds 0600, veering E. force 3/4 gusty, rapidly backing N.xE. 1345. Light to gentle N.E'ly winds after 1450. Occasional light scattered showers during the day. Maximum wind velocity 26 m.p.h. from E. at 1047.
23. Early morning fine, half cloudy and N.E. to N. airs to calm. Cloudy to overcast after 0700. Wind increased force 3/4 from N.E. 1015, veering E.N.E. 1600. Light breeze after 1920 and shower to 1930. Variable sky at night.
24. Wind backed N.W.xN. after 0140, becoming squally force 1/4, gradually veering N.E. after 0325. Moderate to heavy showers of short duration 1120 to 1530 and at 1900 then sky gradually cleared. E.N.E. to N.N.E. winds during the day, fresh to strong N. squall 1130 to 1140, maximum 27 m.p.h. at 1131, falling off 2200.
25. Early morning fine, half to three-quarter cloudy and N.N.E. airs increasing after 0730 to force 3/4 with occasional fresh gusts, veering N.E. to E.N.E. Light variable winds after 1800. Threatening to W. during afternoon. Showers 1945 to 2025, then fine and half cloudy.
26. Early morning fine, half cloudy and N.E. to N.W. winds force 1/2. Unusual visibility during the day. Squally and variable winds force 2/4 after 0920, backing W.S.W'ly 1535, falling off 1815. N'ly airs to calm 2108. Heavy showers 1208 to 1500. Light shower at 1605. Lunar halo during the night and occasional lightning.
27. Early morning fine, half cloudy and N'ly airs to calm. Light to gentle S.S.W. to S. breeze 0900 becoming variable (backing and veering between N.W. to S.E.) 1612, falling off to N'ly airs to calm after 2200. Unusual visibility during the day. Cloudy to overcast afternoon. Rain 1825, heavy rain 1900 to 1950 then drizzle to 2320. Solar halo during the day from 0930. Thunderstorm 1900 to 2015.
28. Early morning fine, half cloudy and N'ly airs to calm S.W. airs 0920, increasing force 2/3 gradually backing S. and to S.E. after 1720, falling off 1842, becoming variable N. to W. 2135. Solar halo 0915 to about 1230. Half to three-quarter cloudy afternoon and night. Drizzle 2335 to 2350.
29. Drizzle 0112 to 0120. Early morning fine, cloudy and variable N'ly airs to calm. Overcast and rain 0930 to 1100, then fine and half to quarter cloudy. Distant thunder 1030. Unusual visibility during the day. Variable winds force 1/3 boxing compass 3 times. Moderate E.S.E. squall 1003 to 1025. Light to gentle E.S.E. breeze 1400, gradually backing N'ly after 1720 falling off.
30. Cloudy and showery 0200 to 0515, then fine and sky gradually becoming half to quarter cloudy. Variable winds force 1/3 mainly N'ly early. Light E.S.E breeze 0825 backing E. force 3/4, gradually falling off after 1810, backing N.E'ly. Heavy shower 2150 to 2200.
31. N. to N.W. airs early and half cloudy. Shower 0535 to 0545, then clear sky. Light E. breeze 0820, increasing force 3/5 0922 squally, occasionally reaching force 6 1410 to 1918, varying between E. and N.E. after 1242. Light to gentle breeze 2000, falling off 2300. Light shower 1305 and variable sky. Heavy showers 1615 to 1945. Maximum wind velocity 30 m.p.h. from E. at 1918.

ADDITIONAL NOTES.

The first week was fine, bright and very warm, thereafter the weather was generally cloudy and showery. Very heavy rain fell on 19th and 20th. The heaviest fall in one hour occurred on 19th when 1·80″ fell between 2200 and 2300.

Mean pressure at 8 a.m. was 0·021″ below normal, mean temperature 0·7° above normal and rainfall 2·71″ above normal.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

APRIL, 1937.

APRIL.

Day.	Attached thermometer and barometer as read in inches. I (1)	I (2)	II (3)	II (4)	Air Pressure at Mean Sea Level in the Units of Measurement. I (5)	II (6)	Temperature (degrees F.) In Screen. I Dry. (7)	I Wet. (8)	II Dry. (9)	II Wet. (10)	Maximum. (11)	Minimum. (12)	In Open. Grass Min. Eve to Morn. (13)	Max. in Sun. Black Bulb in vacuo. (14)	In Ground. 1 foot. (15)	4 feet. (16)	Humidity. Dew Point. I (17)	Dew Point. II (18)	Vapour Pressure. I (19)	Vapour Pressure. II (20)	Percentage. I (21)	Percentage. II (22)	Wind Direction and Force (Beaufort Scale). I (23)	I (24)	II (25)
							Tenths.				Whole Degrees.				Tenths.										
	°	"	°	"	"	"	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.			Dir.	F	Dir.
1	83	30·141	83	30·108	29·942	29·909	82·0	77·4	81·8	76·4	86	75	73	146	84·1	83·7	76	74	30·2	28·7	81	77	N.E.XE.	2	E.
2	82	30·188	84	30·107	29·991	29·905	82·2	74·8	86·2	76·6	86	76	72	147	83·5	83·6	71	72	25·8	26·9	70	63	E.XS.	3	E.XS.
3	81	30·100	84	30·035	29·907	29·833	78·0	74·8	87·0	78·0	87	73	67	149	83·3	83·7	74	74	28·3	28·8	86	65	Calm	0	E.XS.
4	83	30·064	84	30·010	29·865	29·808	82·0	77·2	87·2	78·8	87	75	70	147	83·8	83·4	75	75	29·5	29·5	80	68	N.E.	2	E.
5	81	30·072	83	30·006	29·879	29·807	79·8	77·0	82·0	77·4	84	76	73	136	83·2	83·3	76	76	30·3	30·2	88	81	N.E.	2	E.N.E.
6	81	30·136	83	30·070	29·943	29·871	80·0	77·6	83·0	76·2	85	76	74	142	82·9	83·2	76	73	31·1	27·5	89	72	N.E.XN.	2	E.N.E.
7	80	30·080	83	30·016	29·890	29·817	79·8	75·4	82·2	76·0	84	76	72	135	82·9	83·2	74	73	28·2	28·0	81	74	N.E.	2	E.XS.
8	79	30·001	81	29·911	29·813	29·718	77·2	75·2	79·0	77·0	82	75	73	148	82·8	83·0	74	76	28·8	30·8	91	91	N.N.E.	2	N.E.XE.
9	79	29·952	82	29·887	29·764	29·690	76·2	74·2	82·8	78·8	83	73	73	145	82·0	82·7	73	77	27·8	32·1	91	83	N.XE.	1	S.XW.
0	80	29·980	83	29·944	29·790	29·745	79·0	76·2	83·2	78·0	84	76	73	143	82·9	82·8	75	76	29·3	30·5	87	79	N.N.W.	1	S.
1	82	30·036	84	29·980	29·839	29·778	80·0	75·4	84·0	77·2	84	74	71	154	83·8	83·1	74	74	28·2	28·6	80	73	N.XW.	1	S.
2	82	30·036	86	29·980	29·839	29·773	80·0	75·8	86·4	79·0	87	74	71	149	84·0	83·2	74	75	28·9	30·0	82	71	N.N.E.	1	N.E.XE.
3	82	30·065	85	30·010	29·868	29·805	80·0	76·0	87·0	79·4	87	76	73	153	84·0	83·0	74	76	28·9	31·1	83	70	Calm	0	N.E.
4	82	30·154	86	30·088	29·957	29·881	81·0	77·0	89·0	80·2	90	74	70	150	83·3	83·1	75	76	29·9	31·0	83	67	Calm	0	N.E.
5	83	30·150	86	30·093	29·951	29·886	80·8	78·2	88·8	81·0	89	75	73	150	83·4	83·2	77	78	32·2	32·6	89	70	Calm	0	E.XS.
6	84	30·119	86	30·037	39·917	29·830	82·4	77·6	86·4	78·0	88	77	72	139	83·9	83·3	75	74	29·5	28·4	80	67	NE.XN..	2	N.E.
7	84	30·068	85	29·962	29·866	29·757	82·0	78·0	87·0	79·4	89	76	72	130	83·8	83·2	76	76	31·0	31·1	83	70	Calm	0	N.
8	82	30·030	85	29·952	29·833	29·747	79·8	76·6	84·0	79·5	90	77	73	147	83·6	83·1	76	78	30·3	32·4	86	81	S.W.XS.	3	E.XN.
9	80	30·006	83	29·895	29·816	29·696	78·0	74·2	85·2	78·4	86	76	72	135	83·0	83·1	72	75	26·9	29·6	83	73	E.N.E.	4	N.N.E.
0	82	30·022	87	29·970	29·825	29·760	82·4	77·2	91·8	79·2	92	76	73	154	82·7	83·2	75	79	29·5	33·6	78	58	N.	4	N.XW.
1	83	30·128	82	30·072	29·929	29·875	81·4	78·2	79·0	75·0	86	77	72	134	83·0	83·1	77	73	31·4	27·9	86	82	N.	1	S'ly
2	82	30·078	86	30·030	29·881	29·823	81·2	77·0	88·4	78·8	89	75	71	143	82·4	83·4	75	74	29·9	29·1	82	64	N.XE.	2	N.E.XN.
3	82	30·074	83	30·006	29·877	29·807	81·6	77·4	83·6	78·0	85	77	72	149	82·9	83·0	76	76	31·0	30·9	82	77	N.N.W.	1	S.E.XE.
4	80	30·070	82	30·010	29·880	29·810	77·2	75·2	82·2	79·0	84	75	73	142	82·3	82·8	74	78	28·8	32·5	91	86	Calm	0	S.E'ly
5	82	30·042	82	29·946	29·845	29·749	80·2	76·0	82·0	77·4	85	76	73	151	82·8	83·0	74	76	28·9	30·2	82	81	N.	1	E.
6	81	29·972	83	29·942	29·779	29·743	79·6	76·8	82·8	78·8	86	76	73	144	82·3	82·6	76	77	30·3	32·1	88	83	N.	1	S.S.E.
7	79	30·014	80	29·980	29·826	29·790	78·0	74·6	79·8	77·6	82	73	70	150	82·2	82·8	73	77	27·6	31·9	85	90	N.XW.	1	S.S.E.
8	81	30·086	83	30·033	29·893	29·834	79·2	76·2	83·6	76·4	85	75	73	146	82·3	82·7	75	74	29·3	28·6	86	71	NW.XN.	1	SE.XE.
9	79	30·116	80	30·071	29·928	29·881	76·2	72·8	77·6	75·0	81	75	72	127	82·6	82·0	71	74	25·7	29·0	84	88	N.N.W.	3	N.
0	79	30·080	83	30·028	29·892	29·829	77·2	75·0	83·8	75·2	85	72	67	153	81·7	82·4	74	72	28·8	26·4	90	66	Calm	0	N.E.
s.	2440	902,060	2507	900·179	896·225	894·157	2394·4	2285·0	2526·8	2335·7	2578	2257	2156	4338	2491·4	2491·9	2237	2258	876·3	900·0	2527	2241	...	..	...
ns.	81·3	30·069	83·6	30·006	29,874	29·805	79·8	76·2	84·2	77·9	85·9	75·2	71·9	144·6	83·0	83·1	74·6	75·3	29·2	30·0	84·2	74·7	...	..	...

Temperature—
- Daily Range: (Mean Max.—Mean Min.—10·7°.
- Greatest Range—16° on 14th and 20th.
- Least Range—6° on 29th.
- Mid Temperature: ½ (Max. + Min.)—80·6°.
- Highest Maximum—92° on 20th.
- Lowest Minimum—72° on 30th.
- Lowest Minimum—81° on 29th.
- Highest Minimum—77° on 16th, 18th, 21st and 23rd.
- Lowest Grass Minimum—67° on 3rd and 30th.

Humidity—
- Greatest Humidity—91 per cent. on 8th, 9th and 24th at 8 a.m. and 8th at 2 p.m.
- Least Humidity—58 per cent. on 20th at 2 p.m.

Air Pressure—
- Highest Value at M.S.L.—29·991″ on 2nd at 8 a.m.
- Lowest Value at M.S.L.—29·690″ on 9th at 2 p.m.

No. of Days of—
- Rain—23.
- Hail—0.
- Thunderstorms—4.
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—12·13″ or 308·10 mm.
- Average for 53 years—12·32″.
- Difference from normal—,—0·19″.
- Greatest fall in 24 hours—1·41″ or 35·81 mm on 18th.
- Total since 1st January—46·73″.

VISIBILITY SUMMARY—No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	0	0	1	0	2	8	8	11
2 p m.	0	0	0	0	0	0	0	1	1	0	4	7	5	12

Standard Distance of Objects used for Estimate of Visibility:—X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18⅔ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	5	9	15	1
2 p.m.	0	4	7	16	3

APRIL.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters). Before Obser'tion.	At time of Obser'tion.	Between Obser'tion hours.	At time of Obser'tion.	After Obser'tion.	Visibility.		Cloud. Amount (0–10).		Cloud. Form.		Cloud. Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	State of ground.		Sunshine (hours and tenths).
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II	
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)
237·6	9·9	c,bc,opq	bcjp	bc,cpo	o	opPq,c,bc	J	K	6	9	cu/cu-nb	cu-nb	E.N.E.	E.	0·03	0·27	1	1	5·7
180·0	7·5	bc	bc	c,bc	bc	bc,b	K	K	6	4	st-cu/cu	cu	N.E./E.N.E.	E.	..	0·07	1	0	7·8
146·4	6·1	b,bc,cp	c	c,bc,b	b	b,bc,cPqp	K	L	7	3	st-cu/nb/st	cu	E.N.E./ENE.	E.N.E.	..	0·12	0	0	8·6
232·8	9·7	bcq	bc	bc,cpo	bc	bc,cP,oRr	K	J	5	4	cu/cu-nb	a-cu/cu	E.	N.E./E.N.E.	Trace	1·25	0	0	6·8
163·2	6·8	c,orq	o	c,opq	o	opc,PqI	K	K	9	10	a-st/cu/st	a-st/nb/st	?/N.E.	N.E./N.E.	0·04	0·42	2	1	0·7
163·2	6·8	opq	o	oq	o	oqp	K	L	9	9	a-st/nb/st	a-st/cu	?/E.XN.	?/E.	..	0·06	2	1	2·0
153·6	6·4	op	o	op	o	oid	K	K	9	9	st-cu/cu/st	a-st/nb	E./E.	?/E.	0·01	0·09	1	1	0·5
160·8	6·7	oidq	o	cP,oid	oid	oid,Rrd,c	L	J	9	9	a-st/nb/st	cu/nb/st	?/N.N.E.	N.E.	0·14	1·24	1	1	2·7
136·8	5·7	od,c	c	c,bc,b	c	cp,bc,b	M	M	8	7	ci/a-cu/st	ci/cu/nb	wsw/w/wsw	S.W./W.	..	0·22	2	1	7·6
223·2	9·3	b,cop	b	b	b	b,c,bw	M	M	1	3	a-cu/cu	cu/cu-nb	WXN./WXN	S.XW.	..	Trace	1	0	9·4
98·4	4·1	b	b	b,bc	bc	bc,bw,c	L	M	3	6	a-cu/cu	a-cu/cu-nb	W.N.W./N.	W.XN./N.	..	Trace	0	0	8·8
134·4	5·6	bc,c	c	bc,c	c	c,o	L	M	8	8	st-cu	a-cu/st-cu/cu-nb	W.	WNW/NNE.	..	Trace	0	0	5·0
122·4	5·1	c,o	o	o,bc,cp	cp	c,pqP ,bc	L	J	9	7	a-st	st-cu/cu/cu-nb	W.N.W.	NW./NNE.	Trace	0·10	0	0	3·0
120·0	5·0	c	c	cp,bc	bc	c,otIrR	L	M	7	4	ci/ci-st	st-cu/cu	W.	N./N.	Trace	0·86	1	0	7·7
141·6	5·9	bc,c	c	o,c,bc	bc	bc,cPq	L	M	7	6	ci-st/cu/nb/st	ci/ci-cu/cu	S.W./E.N.E.	S.W./E.S.E.	..	0·07	2	1	9·5
148·8	6·2	bc,b	b	b,bc,c	bc	bc,bw,I	K	L	2	5	ci/cu	ci/ci-cu/cu	WSW./NE.	WNW/NE.	..	Trace	1	0	10·6
156·0	6·5	b,bc	bc	c,o,bc	c	c,o,bc	M	M	5	7	a-cu	ci/a-cu/cu/cu-nb	W.	W./W./N.	..	..	0	0	5·3
199·2	8·3	c,bcjp	bcjp	b,bc,c	c	c,otIqR	M	M	6	7	st-cu/nb/st	nb	W./W.S.W.	E.	..	1·41	0	0	4·3
184·8	7·7	oRtI	ojp	oir,c	o	c,bc	J	L	10	9	nb/st	ci-st/cu/cu-nb	E.N.E.	SW./NNE.	0·10	Trace	2	2	1·4
237·6	9·9	bc,cq	bcq	bcq	bcy	bcq,b	L	M	6	4	ci/ci-st/ci-cu	ci/a-cu/cu	WNW./WNW	WNW/NNW.	..	..	1	0	9·6
100·8	4·2	bc,c	c	orR,idq	oid	oid,bc,b,o	K	J	7	10	ci-cu-lent/cu/st	nb/st	W.N.W./?	S.E.	0·68	0·03	0	2	2·8
129·6	5·4	c,b	b	bc,b	b	bc,c,b	M	M	3	3	ci	ci/cu	W.	WNW./NNE.	..	0·03	2	1	7·1
165·6	6·9	bc,cp	bc	cp,o	o	c,oirRqI	M	K	5	9	ci/cu/cu-nb	cu-nb	S.E./S.E.	E.S.E.	0·01	0·95	1	0	4·8
110·4	4·6	oirRq	o	c,opP	c	c,bc,oPq	L	L	9	7	st-cu/st	ci/cu/cu-nb	N.W./N.E.	W.S.W./E.	0·43	0·16	2	2	4·4
182·4	7·6	c,bc	c	bc,cpo	oP	oPqp,c	M	H	8	9	a-cu/cu-nb/st	nb/st	N.W./E.N.E.	E.N.E.	0·08	0·73	2	1	3·6
105·6	4·4	o	o	ojp,c,bc	ojp	oPq,b	M	K	9	9	a-st/st	a-st/nb/st	N.W./N.W.	?/S.	Trace	0·56	2	1	3·1
144·0	6·0	b,bc	bc	bc,c,odr	odr	odr,id	M	G	4	10	ci/cu-nb/st	nb/st	WNW./WSW.	S.	0·11	0·10	2	1	5·0
144·0	6·0	od,c,bc	bc	bc,c	cv	bc,cp	M	M	5	7	cu/cu-nb	fr-cu/cu	E.S.E.	S.E.	..	0·54	1	1	9·2
110·4	4·6	c,opP	oP	c,oPp	op	opP,c,bc	H	K	9	9	cu/nb/st	cu/nb/st	E.N.E.	E.	0·87	0·35	2	2	0·8
122·4	5·1	bc,b	b	b,c,bc	b	c,o,bc,b	M	M	1	3	cu	ci/cu	N.E.	?/N.E.	Trace	Trace	2	1	9·4
4656·0	194·0	....	...	....	...	....	..	..	192	206	.....	....	....	....	2·50	9·63	..	..	167·2
155·2	6·5	....	...	....	...	....	..	..	6·4	6·9	.....	.....	....	....	..	..	..	..	5·6

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	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.
8 a.m.	0	2	21	7	3	8	2	6	1	1	0	0	0	0	0	1	0	0	0	1
2 p.m.	0	8	22	0	0	3	1	7	2	8	0	3	2	4	0	0	0	0	0	0
Total	0	10	43	7	3	11	3	13	3	9	0	3	2	4	0	1	0	0	0	1

Prevailing Direction, N.E.; 8h., N.; 14h., E. Maximum Velocity 36 m.p.h. from E.N.E. at 1742 on 4th and from N.xE. at 1028 on 20th

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

APRIL, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	5·0	13·6	16	5·0	14·0
2	4·6	13·0	17	3·4	9·0
3	3·8	12·8	18	3·1	10·7
4	7·3	12·8	19	4·0	15·4
5	5·6	13·6	20	5·3	13·2
6	5·1	13·2	21	3·4	9·2
7	5·1	11·6	22	3·7	10·0
8	4·9	10·7	23	3·6	10·7
9	4·4	10·0	24	3·2	8·9
10	3·6	10·7	25	3·2	10·3
11	3·0	11·3	26	3·8	10·5
12	5·4	10·3	27	3·8	10·5
13	3·0	10·0	28	3·4	8·5
14	3·2	9·2	29	7.1	10·1
15	3·1	10·0	30	3·4	11·6
Totals	..	...	..	126.5	335·4
Means	..	...	..	4·2	11·2

WEATHER DIARY—APRIL, 1937.

Date.

1. N.E. to N. airs early with gentle to moderate squalls 0130, 0532 and 0820, increasing force 3/5, veering E. 0812 and occasional strong gusts and squalls. Variable sky and showers 0142, 0525 to 0535, 1325 to 1545, 1935 and 2120 to 2220. Overcast at times. Wind backed E.N.E. to N.E. occasionally; maximum velocity 33 m.p.h. from E. x N. at 1422.
2. Early morning fine, half cloudy and gentle to moderate E'ly breeze and frequent fresh gusts, gentle breeze after 1610. backing N.E. to N. 2142 falling off. Slight haze during the afternoon. Clear sky at night.
3. Cloudy and showers 0020 to 0023 and 0725 to 0740. Variable N'ly airs to calm early with gentle E. squall at 0528. S'ly airs 0820. Light N.E. breeze 0910, increasing force 3/4 veering E. gradually falling off after 1600 backing N.E. Moderate E.S.E. squalls 1920 and 2109. Heavy showers 1920 to 1925, light shower 2108 to 2112. Mainly half to quarter cloudy all day.
4. Light N.E. winds early fine and half cloudy. Rainbow 0812. Wind increased after 0804 to force 3/5, gusty from E., and E.N.E. to N.E. after 1630. High gusts at 1612 and 1724. Variable sky during the day and occasional light showers. Heavy showers 1612 to 1730. Moderate to heavy rain 2114 to 2348 Maximum wind velocity 36 m.p.h. from E.N.E. at 1724.
5. Cloudy to overcast all day. Light rain 0615 to 0620. Light to gentle N.E. winds early; moderate squall 0612 to 0620 Moderate breeze 0918 and occasional fresh to strong gusts and squalls, falling off 1620 backing N.N.E. veering N.E. to E.N.E. after 1700. Moderate squall 2205 to 2230. Showers 1145 to 1252, 1605 to 1625 and 2218 to 2300. Lightning 2030 to about 2330.
6. Early morning overcast and light variable N.E. winds with fresh squall at 0047 (21 m.p.h.) showers 0040 to 0045 and 0212 to 0226. Wind increased force 2/4 0904, E. to N.E., with occasional fresh squalls. Light to gentle breeze after 2100. Shower 1720 to 1730. Maximum wind velocity 24 m.p.h. from E. x N. at 1337.
7. Light N.E'ly winds early: overcast all day. Calm 0710 to 0750. Light shower 0122 to 0127. Light to gentle winds after 0820 veering E'ly 1320, falling off 1800, backing N.E. after 2000. Shower 1318 to 1323. Intermittent drizzle 1740.
8. Intermittent drizzle to 0440: overcast. Light to gentle N.E. to N.N.E. winds; moderate squalls at 0100 and 0657. Gentle to fresh winds 0917 to 1300, then falling to force 1/3. becoming variable 1503, but generally backing N. to W'ly. Cloudy and heavy showers 1022 to 1140. Intermittent drizzle 1345, increasing to heavy rain 1500 to 1620, then light rain to 1945. Madimum wind velocity 24 m.p.h. from N.E.xN at 1037.
9. Early morning overcast, drizzle 0145 to 0200 then cloudy. Variable winds W. to N.E. force 1/2. Variable sky after 0845, mainly clear. Wind backed to S'ly by 1030 increasing force 3, veering S.S.W. 1525 force 2/4 and to W.S.W. 1912. Very light showers 1750 to 1800. Occasional fresh gusts 1648 to 1810.
10. Variable winds early force 0/3. Overcast and light to moderate showers 0355 to 0640, then fine and clear sky. Cloudy evening becoming cloudless later. Dew about 2100. Light to gentle S'ly breeze 1022, increasing force 3/4 after 1400, gradually falling off after 1800 veering N'ly 2055.
11. Early morning fine, clear sky and N'ly airs to calm. Variable S. to S.E. winds force 1/3 0935, gradually falling off after 1512. N'ly airs 1904. Half to quarter cloudy during the day. Dew about 2000.
12. Fine and cloudy early and N.N.E. to N.N.W. airs. Variable sky during the day, cloudy to overcast afternoon and night. Wind increased force 2/4 0912, veering E.N.E. 1200, backing W.N.W. variable after 1720, falling off 1915. N'ly airs 2000. increasing force 2, 1300.
13. Light N'ly winds early, N.E. airs to calm 0340. Cloudy to overcast, fine. Light to moderate showers 1355 to 1738. Half cloudy after 2030. Wind gradually increased force 2/3 after 0915, rapidly backing N.W. to S.W. variable 1452, squally force 2/6 1500 to 1610 then light to gentle breeze falling off 1935 veering N'ly. Distant thunder 1630 to 1700. Maximum wind velocity 29 m.p.h. from W.S.W. at 1503.
14. N'ly airs to calm early, fine and bright, ci predominating. Solar halo 0820. Variable sky during the day. Trace rain 1300. Light variable winds 0935 to 1200 then gentle N.E. breeze veering E. 1530, falling off 1700, backing N.E. 1800. Squally E'ly winds force 1/4 backing N.W'ly 2208, falling off 2320. Distant intermittent thunderstorm 1645 to about 2230. Moderate to heavy rain 2103.
15. Rain to 0003. N'ly airs to calm early, fine and cloudy. Half cloudy after 1030. Wind increased 0900 force 2/4, veering E'ly, gradually falling off after 1610 backing N.E. Heavy showers 2036 to 2043 and 2312 to 2315. Moderate N.E. squall at 2310.
16. Early morning fine, clear sky and N'ly airs to calm, increasing 0706 to force 2/3, veering E'ly 1100. Moderate breeze 1310 backing N.E. 1340, gradually falling off after 1635, backing N.N.E. 2006. Mainly half cloudy during the day. Clear sky at night. Dew 1930, Lightning 2100 to about 2200.

Date.

17. Early morning fine, half cloudy and N'ly airs to calm. Variable sky during the day and at night, Wind increased force 2/3 0854 increasing force 4 after 1103, backing N.N.W. 1500 and falling off, backing W. and S.W. 1750 force 3, falling off 1900 veering N'ly 1942.
18. Early morning cloudy and showers in sight. N'ly airs to calm. Half cloudy 0635 and moderate S'ly breeze veering S.W. 0740, falling to force 2, veering N'ly 0832 force 2/4, backing N.W. 1046. Light to gentle gusty N.E. to E. breeze 1140, backing S.W.xW. force 3, 1806, falling off 1900. Variable squally S.E. breeze 2225. Cloudy to overcast after 1200. Distant intermittent thunderstorm 1415 to 1810. Heavy rain 2320.
19. Heavy rain to 0135 and 0430 to 0540 and distant thunderstorm. Moderate to strong E.S.E. breeze 0250 backing E.N.E. after 0600 falling to force 3/4. Intermittent rain 0820 to 1242 then sky very gradually cleared to half cloudy. E.N.E. to N.N.E. winds during the day force 2/4 with frequent fresh gusts, falling off 1935. Lunar Corona 2015. Maximum wind velocity 29 m.p.h. from ExS. at 0556.
20. Early morning fine, half to three quarter cloudy and N.E. airs backing N. to N.N.W. 0300. increasing and becoming squally force 2/5 0400 to 1810, with occasional squalls force 6/7. Light to gentle W'ly breeze 1825, falling off 2000 veering N'ly. Half to quarter cloudy during the day and at night. Lunar halo 1950 to 2300. Cirrus cloud bands at night, E. to W. Maximum wind velocity 36 m.p.h. from N.xE. at 1028.
21. N.W. to N. winds force 1/2 early, fine and cloudy. Light to moderate variable and squally winds after 0940. Calm 1638 to moderate varialbe and squally winds after 0940. Calm 1638 to 1835 then N'ly airs. Overcast, rain and heavy rain 1030 to 1115, then intermittent drizzle to 1610. Sky cleared 2000, becoming overcast 2130.
22. Early morning fine, clear sky and N'ly airs to calm, increasing 0645 to force 3/4 gradually veering N.E. Light to gentle breeze 0600, falling off and becoming variable 1820. Cloudy 1630 to 1830 then clear sky.
23. Light to gentle W'ly breeze 0218 to 0405 then N.N.W. airs. Showers 0620 to 0625 and 0950 to 0955, otherwise fine, variable sky and bright. Cloudy to overcast after 1200. Light S.E. breeze 0808, increasing force 3/5, gradually falling off after 1630 backing N.N.E., becoming variable and squally force 1/4 2300 and moderate to heavy intermittent rain. Lightning 1900 to 2230.
24. Variable and squally winds to 0420 then N'ly airs to calm. Light to heavy intermittent rain to 0710 and overcast. Moderate to heavy showers 1050 to 1245 then sky gradually. cleared to half cloudy. Heavy showers 2130 to 2150. Light S.xW. breeze 0938 becoming variable 1156. Light E. breeze 1520, falling off 1700 backing N'ly 1840. Moderate S.E. squall at 2148.
25. Early morning fine, half to 3/4 cloudy and light to gentle N.xE. breeze. Light shower 1200. Overcast and heavy to moderate showers 1358 to 1700 then light showers to 1800 and 2315 to 2320. Variable N.E. breeze force 2/4 after 0900. Strong N. squall (26 m.p.h.) at 1406. N.N.E. to N.N.W. breeze after 1900 with occasional fresh gusts. Cloudy to overcast night.
26. Early morning overcast but fine. Variable winds force 1/3 all day. Sky gradually cleared to half cloudy after 0930, becoming overcast 1330. Heavy showers 1410 to 1420 and 1725 to 1815 then sky cleared. Strong S.xE. squall 1412 to 1425, maximum 27 m.p.h. at 1415. Moderate W.S.W. squall 1727.
27. Early morning fine, 1/2 to ¼ cloudy and N'ly airs. Light S.S.W. to S. breeze 0918, increasing force 3 1048, backing S.S.E. to S.E. 1325, backing N.E. after 2200 falling to force 1. Overcast, drizzle and rain 1240 to 1420. Intermittent drizzle 1800 to 2200. Threatening appearance of sky at night.
28. Early morning overcast. Drizzle 0445 to 0545, then fine and half to three quarter cloudy. N. to N.W. airs backing S.E. to E.S.E. 0902 force 2/3, gradually backing E. 1700 force 1/2, backing N.W'ly 2050, veering and becoming variable 2200. Unusual visibility during the afternoon. Cloudy and light showers 2125 to 2210.
29. Cloudy to overcast all day and light to heavy showers 0140 to 2340. Variable E. to N. winds force 1/3 with occasional moderate gusts and backing N.W'ly at times. Wind boxed compass 1348 to 1430 and 2155 to 2400.
30. N'ly airs to calm early. Variable sky all day and night but mainly fine, clear and bright. Wind veered N.E. 0913 increasing force 3/4, falling to force 1 after 1700 gradually backing N'ly.

ADDITIONAL NOTES.

A fine warm April, mean temperature being 1·8° above normal. Pressure and rainfall showed slight deficiencies of 0·012″ and 0·19″ respectively.

The weather was generally showery with bright intervals, the last week being rather wet.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

MAY, 1937.

MAY.

Day.	Attached thermometer and barometer as read in inches. I		II		Air Pressure at Mean Sea Level in the Units of Measurement. I	II	Temperature (degrees F.) In Screen. I Dry.	Wet.	II Dry.	Wet.	Maximum.	Minimum.	In Open. Grass Min. Eve to Morn.	Max. in Sun. Black Bulb in vacuo.	In Ground. 1 foot.	4 feet.	Humidity. Dew Point. I	II	Vapour Pressure. I	II	Percentage. I	II	Wind Direction and Force (Beaufort Scale). I		II	
							Tenths.				Whole Degrees.				Tenths.											
	(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
	°	"	°	"	"	"	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb			Dir.	F	Dir.	F
1	81	30·085	84	30·014	29·892	29·812	80·2	75·8	87·0	78·4	87	74	71	147	82·0	82·7	74	75	28·2	29·5	81	67	Calm	0	N.	1
2	80	30·104	83	30·044	29·914	29·845	79·4	75·8	82·6	77·8	84	75	72	137	82·3	82·8	74	76	28·6	30·5	84	80	N.	1	S.S.W.	2
3	80	30·098	82	30·028	29·908	29·831	78·2	75·6	82·0	77·0	83	76	73	145	82·5	82·5	74	75	29·0	29·5	88	79	W.S.W.	1	S.	3
4	79	30·095	80	30·018	29·907	29·828	75·0	74·0	79·0	76·0	79	73	72	95	82·1	82·0	74	75	28·2	29·3	95	86	S.E.XS.	2	E.S.E.	3
5	78	30·120	78	30·046	29·935	29·861	76·2	75·0	77·0	75·0	81	74	72	119	81·0	81·4	75	74	29·2	28·8	94	91	Calm	0	N.E.	3
6	77	30·116	77	30·032	29·934	29·850	75·0	73·8	75·8	75·0	78	73	71	104	80·4	80·6	74	75	28·2	29·2	94	96	N.E.	2	E.	3
7	76	30·076	79	30·024	29·897	29·836	76·0	73·0	79·0	72·8	80	71	70	128	79·6	78·8	72	70	26·4	25·1	86	73	S.S.E.	3	S.S.E.	4
8	77	30·162	79	30·110	29·980	29·922	76·4	69·2	79·4	68·2	80	74	68	136	79·2	80·2	65	61	21·1	18·5	68	54	S.E.XS.	4	S.XE.	4
9	77	30·240	79	30·196	30·058	30·008	75·4	67·8	81·4	69·6	82	72	65	142	79·0	80·1	63	62	19·7	18·9	66	54	E.S.E.	2	E.	4
10	75	30·256	79	30·208	30·079	30·020	71·8	67·8	79·8	69·2	80	69	64	135	78·7	79·9	68	63	21·6	20·0	80	57	N.E.X.N	1	E.XN.	4
11	75	30·230	79	30·158	30·053	29·970	73·0	69·4	78·2	72·4	80	69	65	105	78·4	80·0	68	69	23·1	24·1	82	75	N.	2	.E.	3
12	75	30·178	79	30·128	30·001	29·940	74·0	71·4	82·4	73·0	83	68	63	135	78·2	81·0	70	67	25·2	23·0	88	62	S.W'ly	1	E.XN.	3
13	78	30·150	80	30·106	29·965	29·916	77·0	73·8	78·0	75·0	81	73	69	119	78·5	81·0	73	74	27·3	28·3	85	86	N.N.E.	1	N.E'ly	1
14	78	30·139	82	30·085	29·954	29·888	75·6	72·8	83·6	75·2	84	72	66	142	78·7	80·8	72	72	26·4	26·4	87	67	N.N.E.	1	E.N.E.	3
15	79	30·076	81	30·000	29·888	29·807	77·8	76·0	80·2	76·8	82	75	70	109	79·0	80·8	75	75	29·8	29·6	92	85	N.E.XN.	3	N.E.XN.	4
16	79	30·066	79	30·056	29·878	29·868	80·0	76·4	75·0	74·0	82	76	72	113	79·0	81·0	75	74	29·6	28·2	84	95	N.W.	1	E.	4
17	77	30·066	80	30·030	29·884	29·840	74·8	73·2	82·8	76·0	85	71	67	150	78·7	80·9	73	73	27·5	27·5	92	72	Calm	0	N.	3
18	78	30·112	82	30·074	29·927	29·877	76·6	74·6	83·8	77·0	84	72	67	136	78·9	80·9	74	74	28·8	28·6	91	73	N.	1	E.XN.	3
19	78	30·195	81	30·125	30·010	29·932	76·4	74·4	79·0	77·2	83	73	68	137	79·0	80·8	73	76	27·8	30·8	91	92	N.E.	1	N.E.XN.	2
20	78	30·190	81	30·138	30·005	29·945	77·0	74·7	81·4	75·6	83	72	67	134	79·0	80·8	73	72	28·0	27·0	89	76	N.E.XN.	2	N.E.XN.	4
21	80	30·114	81	30·048	29·924	29·855	77·6	75·2	80·4	78·0	82	75	73	135	79·0	80·8	74	76	29·0	31·1	89	89	N.N.E.	3	N.W.	2
22	79	30·052	82	29·984	29·864	29·787	77·0	74·6	82·4	77·6	86	75	71	112	79·2	80·8	73	75	28·0	29·5	89	80	N.N.E.	2	W.S.W.	2
23	79	30·062	78	30·036	29·874	29·851	76·2	74·6	76·2	74·4	78	74	73	137	80·7	80·8	74	73	28·5	27·8	93	90	S.S.W.	2	S.XW.	2
24	77	30·152	78	30·103	29·970	29·918	74·8	71·2	78·2	71·8	79	71	70	97	79·4	80·6	70	68	24·8	23·5	83	72	N.N.E.	1	E.S.E.	2
25	76	30·194	78	30·143	30·015	29·958	75·8	73·0	78·4	74·2	79	73	71	96	79·0	80·2	72	72	26·4	26·9	87	81	ENE'ly	2	E.XS.	4
26	77	30·190	79	30·122	30·008	29·934	76·8	74·4	79·2	76·0	80	74	72	104	78·4	80·3	73	75	28·0	29·3	89	86	E.XN.	3	E.XN.	3
27	78	30·170	83	30·109	29·985	29·910	77·0	75·4	86·0	77·2	87	75	71	142	78·8	80·2	75	73	29·5	27·7	93	66	Calm	0	N.N.W.	1
28	80	30·202	83	30·148	30·012	29·949	79·0	76·2	85·0	77·8	86	74	69	132	79·7	80·1	75	75	29·3	29·6	87	71	Calm	0	E.S.E.	3
29	81	30·198	83	30·138	30·005	29·939	79·2	75·6	83·8	77·0	84	74	69	138	80·0	80·0	74	74	28·6	28·6	84	73	N.E.XN.	1	E.	3
30	79	30·158	83	30·079	29·970	29·880	78·0	75·2	85·3	77·9	87	73	68	134	80·0	80·1	74	74	28·3	28·9	87	71	N.XE.	1	E.	3
31	80	30·130	82	30·088	29·940	29·891	77·8	76·0	83·8	78·0	84	75	71	131	80·1	80·2	75	75	29·8	30·1	92	76	N'ly	1	E.XS.	3
Tls.	2421	934·376	2494	932·618	928·636	926·668	2375·0	2285·9	2506·1	2330·7	2553	2265	2150	3926	2468·5	2503·1	2246	2242	843·9	845·8	2690	2375	...	..	...	..
Mns	78·1	30·141	80·4	30·084	29·956	29·893	76·6	73·7	80·8	75·2	82·4	73·1	69·4	126·6	79·6	80·7	72·5	72·3	27·2	27·3	86·8	76·6	...	..	...	..

Temperature—
- Daily Range: Mean Max.—Mean Min—9·3°.
- Greatest Range—15° on 12th.
- Least Range—4° on 23rd.
- Mid Temperature: ½ (Max. + Min.)—77·7°.
- Highest Maximum—87° on 1st, 27th, and 30th.
- Lowest Minimum—68° on 12th.
- Lowest Maximum—78° on 6th and 23rd.
- Highest Minimum—76° on 3rd and 16th.
- Lowest Grass Minimum—63° on 12th.

Humidity—
- Greatest Humidity—96 per cent. on 6th at 2 p.m.
- Least Humidity—54 per cent. on 8th and 9th 2 p.m.

Air Pressure—
- Highest Value at M.S.L.—30·079″ on 10th at 8 a.m.
- Lowest Value at M.S.L.—29·787″ on 22nd at 2 p.m.

No. of Days of—
- Rain—27.
- Hail—0.
- Thunderstorms—2.
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—16·49″ or 418·85 mm.
- Average for 53 years—10·58″.
- Difference from normal + 5·91″.
- Greatest fall in 24 hours—7·64″ or 194·06 mm on 6th.
- Total since 1st January—63·22″.

VISIBILITY SUMMARY —No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	0	0	3	0	0	9	14	5
2 p.m.	0	0	0	0	0	0	1	1	2	4	0	3	5	15

Standard Distance of Objects used for Estimate of Visibility:— X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18¾ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	4	9	14	4
2 p.m.	0	4	6	13	8

MAY.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity	Weather for 24 hours ending midnight. (Beaufort Letters). Before Observation.	At time of Observation.	Between Observation hours.	At time of Observation.	After Observation.	Visibility.		Cloud. Amount (0–10).		Cloud. Form.		Cloud. Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 9h.	State of ground.		Sunshine (hours and tenths).
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II	
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)
108·0	4·5	b,bc	bc	bc,c	c	c,op,bc	L	L	4	8	ci/cu	ci/cu/cu-nb	NE/WNW.	W./S.W.	..	0·07	1	1	5·4
100·8	4·2	c,bc	bc	bc,c	c	c,oid	L	M	4	7	st-cu	cu/cu-nb	S.W.	S.E.	..	0·01	1	0	5·5
156·0	6·5	c,o	o	o,bc,c	c	c,otlrrrr	K	M	9	8	nb	ci-st/cu/cu-nb	S.	WSW/ESE.	..	2·17	0	0	4·4
132·0	5·5	orr	orr	orr	ov	orr,bc	H	M	10	10	st	nb/st	S.E.	S.E.	1·08	1·46	2	2	0·0
112·8	4·7	oidrr	ojp	c,oir	oir	oird	K	H	9	10	nb/st	nb/st	E.	E.N.E.	0·20	0·74	2	2	0·7
201·6	8·4	oirdq	oir	oirq,rrp	od	odrr	H	G	10	10	nb/st	nb/st	E.	E.	2·13	5·51	2	2	0·0
290·4	12·1	ord	o	c,bc,op	o	o,c,bc	L	L	9	9	a-cu/cu-nb/st	st-cu/cu-nb	WNW./SSE.	WNW./SSE.	0·12	Trace	2	2	1·8
242·4	10·1	bc	bc	bc,b	by	b,bc	L	M	6	1	fr-cu/cu-nb	fr-cu	S.S.E.	S.S.E.	..	..	2	1	9·2
146·4	6·1	bc,cjp	cjp	od,c,bc	bcy	bc,b	L	M	8	5	cu-nb/nb	st-cu	E.S.E.	E.S.E.	0·01	Trace	1	1	7·1
132·0	5·5	c,o	o	od,c,bc	bcy	bc,b	L	M	9	5	nb/st	ci/st-cu/cu-nb	N.E.	W./E./E.	Trace	0·02	1	0	4·2
122·4	5·1	c,od	o	c,bc,op	op°	c,bc,opq	M	L	9	9	nb/st	nb	E.N.E.	N.E.	0·05	0·31	0	0	3·3
136·8	5·7	op	o	o,c,bc	c	bc,b,c	L	M	9	8	cu/nb/st	ci/a-cu/cu	N.W.	W./W./E.	..	0·08	1	0	7·5
115·2	4·8	c,opq	ojp	bc,cpq	op	o,c,bc	K	H	9	9	ci-st/cu/nb/st	ci-st/nb/st	?/N.N.E.	?/N.E.	0·09	trace	0	1	2·9
156·0	6·5	bc,c	bc	bc	bc	bc,c,o	K	K	4	6	cu/cu-nb	ci/cu/cu-nb	N.E.	WNW./ENE.	..	0·17	0	0	8·2
182·4	7·6	c,op	ojp	opcq	opq	oq,c,bc	K	I	9	9	ci-st/cu-nb/st	cu-nb/nb	?/N.E.	N.E.	0·10	Trace	1	1	3·4
134·4	5·6	bc	bc	bc,c,oqr	or	ord,bc	L	F	6	10	ci/a-cu	nb/st	S./S.	E.	0·23	0·16	1	1	2·6
122·4	5·1	bc	bc	bc,c,op	o	o,c,bc	L	M	6	9	a-cu/st-cu/cu/nb/st	ci/ci-st/cu-nb	N.E./N.N.E.	-/N.	0·02	Trace	2	1	1·6
132·0	5·5	bc,jp	bcjp	bc,cp	bcjp	bc,b	K	K	6	5	cu-nb/st	ci/cu-nb	N.N.E.	WSW./ENE.	Trace	Trace	1	0	7·0
151·2	6·3	b,bc,c,o	op	oqp,c,bc	op	c,bc,b	K	I	9	9	cu/st	ci-st/nb/st	N.E.	?/N.E.	0·04	0·04	0	0	4·8
199·2	8·3	bcp	bc	bc,cjp	cjp	c,bc,op	K	K	4	7	ci/cu/st	a-cu/cu/cu-nb	N.W./N.E.	S.W./N.E.	Trace	0·21	0	0	3·8
158·4	6·6	op,c,bc	bc	bc,c,op	op	c,op	M	L	6	9	ci/nb/st	ci/cu-nb/nb	WNW./NNE.	N.W./N.	0·06	0·06	1	1	3·7
177·6	7·4	o,c	c	c,bc,o	o	opq	L	M	7	9	ci/a-cu/st	a-cu/st-cu/cu-nb/nb	W./N.	W./N.W.	Trace	0·04	1	0	4·0
206·4	8·6	op	o	oid	ojp	oidq	K	I	10	10	nb/st	nb/st	S.S.W.	S.W.	0·03	0·10	1	1	0·3
127·2	5·3	oidq	o	oid	o	oid°	M	M	9	10	cu/nb/st	a-st/cu-nb	S.	?/S.E.	Trace	0·63	1	1	0·0
261·6	10·9	oird	oid	oidr,d	oid	oidr	H	I	10	10	st	nb/st	E.	E.S.E.	0·05	0·25	2	2	0·8
115·2	4·8	od	o	oid°	ojp	oid°, d	L	L	9	10	a-cu/nb/st	a-st/nb/st	N.W./E.	?/N.E.	Trace	0·02	2	1	0·3
93·6	3·9	o,cv	ov	ov,bc,b	bv	ctl od,b	M	M	9	2	st-cu	cu/cu-nb	N.W.	N.W.	Trace	0·02	1	0	6·2
112·8	4·7	bc,b	b	bcv,c,b	bv	bw,bc	L	M	1	3	cu	cu	N.E.	E.	..	..	0	0	8·7
141·6	5·9	bc,b	b	b	b	c,opo,b	L	M	1	2	cu	ci/cu	E.N.E.	?/N.N.E.	..	0·01	0	0	9·1
112·8	4·7	b	b	b,bc	bc	b,bc,c	L	M	1	4	cu	ci/cu	N.E.	W.S.W./N.E.	..	0·20	0	0	9·8
110·4	4·6	cpp,bc	b	b,c,bc	bc	cbc,bw	M	M	3	4	cu/cu-nb	cu/cu-nb	N.E.	E.	..	..	1	0	6·8
4692·0	195·5	....	...	.. ..	...	....			215	227	.....	.....	....	....	4·21	12·28	..	..	133·1
151·4	6·3	....	...	....	...	....	..	..	6·9	7·3	.....	.....	....	....	..	..	..	..	4·3

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	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.
8 a.m.	0	1	25	5	0	5	5	6	1	1	1	2	1	0	1	1	1	0	0	1
2 p.m.	0	8	23	0	1	2	0	6	1	11	3	0	1	3	1	0	1	0	0	1
Total	0	9	48	5	1	7	5	12	2	12	4	2	2	3	2	1	2	0	0	2

Prevailing Direction, N.E. and E.; 8h., N.E.; 14h., E. Maximum velocity, 31 m.p.h. from E. at 1249 on 16th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

MAY, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	2·7	8·4	17	3·0	7·2
2	3·7	8·1	18	3·7	10·5
3	3·1	11·3	19	4·2	9·0
4	4·8	12·8	20	3·2	11·6
5	4·6	10·0	21	3·7	11·3
6	5·8	11·8	22	3·1	9·4
7	4·9	10·7	23	3·7	14·5
8	9·6	22·0	24	4·7	14·5
9	6·4	14·5	25	6·4	16·0
10	6·2	14·0	26	6·0	15·0
11	4·6	9·8	27	4·6	12·9
12	5·0	15·4	28	...	...
13	4·6	12·5	29	4·9	16·0
14	4·3	11·4	30	4·4	13·6
15	4·1	10·0	31	4·0	10·5
16	3·0	9·8			
Totals	...	...	..	137·0	364·5
Means	...	...	..	4·6	12·2

WEATHER DIARY—MAY, 1937.

Date.

1. Early morning fine, ¼ to ½ cloudy and N'ly airs to calm. Variable winds during the day N.E. to N.W. and S.W. force 0/3, N'ly airs to calm after 1938. Cloudy to overcast afternoon. Showers 1450 to 1720 then variable sky. Pretty red sunset.

2. Early morning fine, half cloudy and light N'ly airs to calm. Light S.E. breeze 0320 to 0540. Light S.S.W. to S. winds after 0948, backing S.E. 1420 becoming variable force 0/1 after 1700. Variable sky during the day but mainly cloudy to overcast afternoon and evening. Thin intermittent drizzle 1740 to 1910.

3. Early morning overcast but fine. Light variable winds to calm, gradually backing S. force 2/3 and to S.E'ly 1410, increasing force 3 1755, falling off and becoming variable 2135. Variable sky during the day; overcast after 1430. Moderate to heavy rain 2025. Thunderstorm 2010 to 2030.

4. Cloudy to overcast all day and poor visibility at times. Light and moderate to heavy rain to 1200 and 1600 to 1820. Light variable winds early, mainly S.E. Light to gentle breeze 1200 very gradually backing N. by 2255 falling off 1915. Half cloudy for short period about 2300.

5. Intermittent drizzle rain and heavy rain 0400 to 0600. Overcast all day except from 0920 to 1000. Intermittent drizzle and rain from 0830. Light to gentle E.N.E. to N.E. winds 0940, fresh squall of 23 m.p.h. at 1307, falling off 1600 backing N'ly.

6. N.W. airs to calm early. Variable N.E. breeze 0400. Squally E. to N.E. winds during the day force 2/5, falling off 1640. Overcast, gloomy and intermittent drizzle and rain to 1012, then heavy rain to 1338 ,then intermittent drizzle and rain. Heavy continuous rain 1750 to 2340 then drizzle to 2400. Wind boxed compass 1730 to 1830. Gentle to fresh S.E'ly breeze 2000 falling off 2200. Heaviest fall in one hour, 1·34″ 1800 to 1900.

7. Mainly cloudy to overcast all day, slightly improving conditions after 0615, clearing 2130. Rain and drizzle 0350 to 0615. W'ly airs early, backing S.W. force 3/4 0330 with occasional fresh gusts, backing S.S.E. 1428. Heavy shower 1110 to 1120. Pretty pink sunset. Maximum wind velocity 25 m.p.h. from S.S.E. at 1318.

8. Early morning fine, half cloudy and gentle to fresh S.E.xS. breeze. Light shower at 0540. Wind very gradually fell to force 2/3 after 1100, becoming gusty force 2/4 1930. Clear sky during the day, half cloudy night. Maximum wind velocity 28 m.p.h. from S.S.E. at 0840.

9. Early morning fine, half cloudy and S.E'ly breeze force 2/4, gusty backing E.S.E. Cloudy and showers in sight 0745. Overcast and thin drizzle 0825 to 0835, then fine and sky gradually clearing. Wind gradually backed E. backing N.E'ly 1600 falling to force 1. Clear sky at night.

10. Variable N.E. to N.W. airs early and overcast, showers in sight. Wind veered E.S.E. force 3/4 0808, falling off 0820 becoming variable 0920. Gentle to fresh gusty N.E'ly breeze 1122, veering E'ly 1300, falling off 1500 backing N'ly 1935. Sky gradually cleared after 1000. Maximum wind velocity 24 m.p.h. from E.xN. at 1348.

11. Variable N.E. to N.W. winds early force 1/2 with moderate N.E. Squall at 0550. Drizzle 0555 to 0625. Variable sky during the day but mainly cloudy to overcast. Heavy shower 1042 to 1047. Light scattered showers 1350 to 1405. Light shower 2120 to 2130. Light to gentle variable winds mainly N.E. after 1010. Gentle to fresh N.N.E. squall 2000 to 2110 then N'ly airs to calm. Maximum wind velocity 25 m.p.h. from N.E.xN. at 2046.

12. Light variable winds after 0435 with fresh gust, 23 m.p.h. at 0554. Cloudy to overcast and light showers 0425 to 0750 then sky gradually clearing. Gentle to moderate E'ly breeze 1035, falling off after 1600 backing N.E'ly.

13. Early morning cloudy to overcast and N.N.E. airs. Showers 0340 to 0435 and N.E. to N.N.E. squalls. Maximum velocity 23 m.p.h. at 0420. Light to gentle winds 0840, veering E. 1228, backing N.W. after 1348, veering N.E. 1540, falling off 1645. Bright intervals 0810 to 1250. Showers 1018 to 1020, 1215 to 1220 and 1340 to 1400. Then variable sky. Moderate E. squall 1228 to 1238.

14. Light N.N.E. winds early, fine, bright and variable sky, mainly half cloudy. Gentle to moderate N.E. breeze 0900 veering E.N.E. to E. 1308, falling off after 1600 backing N.E. and to N.N.E. variable 2048. Cloudy to overcast night.

15. Cloudy to overcast all day. Showers 0245 to 1310. N.E. to N.N.E. airs early, gradually increasing force 4/5 with occasional strong gusts and squalls, gradually falling off 1600 to light N.N.E. breeze. Half cloudy night. Maximum wind velocity 29 m.p.h. from N.E.xN. at 1442. Fresh gust at 2310.

Date.

16. Early morning fine, half cloudy and light N'ly winds to calm, backing N.W. 0640 and to S'ly 0912. Moderate to strong E.S.E. to E. breeze 1050 to 1320, then gradually falling off backing N'ly. Overcast and moderate rain and drizzle 1235 to 1535 then gradually clearing to half cloudy. Maximum wind velocity 31 m.p.h. from E. at 1249.

17. Early morning fine, half cloudy and N'ly airs to calm. Cloudy to overcast during the day and light showers 1225 to 1245. Variable sky at night. Light to gentle variable N.E. winds 0820, backing N.N.E'ly 1152 gradually falling off after 1600. Gentle to moderate squall 1215 to 1300.

18. Early morning fine, half cloudy and N'ly airs to calm. Showers in sight 0730. Variable sky during the day, clear sky at night. Wind increased force 3/4 veering E'ly, falling off 1620 backing N.E'ly.

19. N'ly airs to calm early and fine and clear sky. Overcast 0700 Light N.E. breeze 0716. Light showers 0800 to 1405. Bright intervals. Half to quarter cloudy night. Wind increased force 3/4 1015 with occasional fresh gusts and squalls, falling off 1350 but still gusty to 1612, then falling to force 1/2. Maximum wind velocity 26 m.p.h. from N.E. at 1249.

20. Early morning half cloudy and showers 0325 to 0755. Light N.E'ly winds increasing force 3/5 0912, squally and gusty, falling to force 2/3 1500. Showers 1420 to 1423 and 2355. Moderate N.N.E. squall 2355. Variable sky during the day. Maximum wind velocity 25 m.p.h. from N.E. at 1446.

21. Cloudy to overcast and showery to 0610 then half cloudy. Gusty N.N.E. breeze force 1/4, backing N.W'ly 1335, gradually veering N.E.xE. after 1410. Light to gentle breeze 1500 falling off 1750, increasing force 2/3 from N.N.E. 2200. Cloudy and showery 0920 to 1415 and 2240 to 2330. Maximum wind velocity 24 m.p.h. from N.N.E. at 1052.

22. Light N.E. to N.W. winds early and cloudy to overcast. Bright intervals 0920 to 1200. Wind increased force 3/4 from N. 0840, backing W.N.W. 1148 and W.S.W'ly 1223 falling to force 2 1320. Light shower 1650 to 1705. Light scattered showers in Suva, from 1545. Moderate to fresh squall 2120 to 2130.

23. Early morning overcast and light showers 0120 to 0300. Light to moderate variable winds all day mainly S'ly, cloudy to overcast and intermittent drizzle from 0900, very thin at times. Fresh to strong S'ly squall 1513 to 1530, maximum 26 m.p.h. at 1517.

24. Overcast and intermittent drizzle to 0600. Light variable winds and occasional gentle to moderate squalls. Occasional very thin drizzle during the morning. Intermittent drizzle 1910 to 2200. Light S.E'ly winds during the day backing N.E'ly occasionally.

25. Overcast and intermittent rain and drizzle 0035 to 2345. Variable gusty winds early force 1/4. Gentle to fresh E'ly breeze 0830 with occasional strong gusts. Poor visibility during the day. Maximum wind velocity 28 m.p.h. from E. at 2112.

26. Overcast all day. Drizzle 0440 to 0455 and 1700 to 1720. Gentle to moderate E'ly breeze with occasional fresh gusts, backing N.E. occasionally after 0800, falling off 1620 to N.E. airs to calm. Very thin intermittent drizzle during the day. Maximum wind velocity 25 m.p.h. from E.xN. at 1056.

27. Early morning cloudy to overcast. Calm and unusual visibility, sky clearing after 0930. Light to gentle N'ly breeze falling off 1300. Light N.E. breeze 1505, veering E. falling to N'ly airs to calm after 1730. Cloudy after 1630 and distant thunderstorm. Drizzle 1750 to 1820, then clear sky.

28. Fine all day and mainly clear sky. Unusual visibility. Calm early. Light N.E. breeze 0830, veering E.S.E. 1038 force 2/3, backing N.E. 1425 falling off after 1600. Dew at night.

29. Fine and clear sky all day and night except for light showers and overcast sky 1740 to 1810. Calm early. N.E. airs 0640 gradually increasing force 3/4, veering E. 1010, gradually backing N.E. after 1600, falling off 1748.

30. Early morning fine, clear sky and N'ly airs to calm. Light N.E'ly breeze 0820 veering E'ly force 3 1238, falling off 1600 backing N.E. Calm 1900. Half to quarter cloudy during the day, cloudless sky at times, variable sky at night.

31. Variable N'ly airs to calm early. Cloudy and moderate to heavy showers 0228 to 0626, then variable sky, but mainly fine and clear. Rainbow 0835. Trace of rain 1320. E'ly winds force 2/3 0950, falling off 1700 backing N.E.

ADDITIONAL NOTES.

A fairly wet and cloudy month, rainfall being 5·91″ above normal Fine and bright weather set in on 27th.

Mean pressure at 8 a.m. was 0·010″ above normal and mean temperature 1·0° above normal.

During the heavy rain on 6th, 1·34″ of rain fell in one hour, 6 to 7 p.m.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

JUNE, 1937.

JUNE.

Day.	Attached thermometer and barometer as read in inches. I		II		Air Pressure at Mean Sea Level in the Units of Measurement. I	II	Temperature (degrees F.) In Screen. I Dry.	Wet.	II Dry.	Wet.	Maximum.	Minimum.	In Open. Grass Min. Eve to Morn.	Max. in Sun. Black Bulb in vacuo	In Ground. I 1 foot.	4 feet.	Humidity. Dew Point. I	II	Vapour Pressure. I	II	Per-centage. I	II	Wind Direction and Force (Beaufort Scale) I		II
							Tenths.				Whole Degrees.				Tenths.										
	(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)
	°	"	°	"	"	"	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.			Dir.	F	Dir.
1	80	30·198	82	30·127	30·008	29·930	79·2	76·3	83·6	76·2	84	73	67	138	80·0	80·3	75	73	29·3	27·8	87	70	N.E.XN.	1	E.S.E.
2	80	30·204	82	30·150	30·014	29·953	79·0	74·4	83·9	75·5	84	71	64	137	80·0	80·4	72	72	27·2	26·4	80	67	N.N.E	1	E.XS.
3	78	30·178	81	30·078	29·993	29·885	75·0	72·2	83·2	74·2	83	70	67	132	79·9	80·4	71	70	25·5	24·7	87	64	N.	1	E.S.E.
4	79	30·126	81	30·022	29·938	29·829	75·0	71·2	81·4	73·4	82	69	64	138	79·5	80·5	69	69	24·1	24·2	82	67	N.XE.	1	N.E.XE
5	78	30·109	81	30·057	29·924	29·864	75·6	72·4	83·0	74·2	84	70	64	133	79·1	80·4	72	70	26·4	24·7	85	64	N.	1	E'ly
6	78	30·118	80	30·032	29·933	29·842	74·0	71·6	81·4	73·6	82	70	66	133	79·1	80·4	70	69	25·2	24·2	88	68	N.XE.	1	E.N.E.
7	78	30·070	81	29·962	29·885	29·769	75·8	74·0	82·4	75·4	83	73	66	120	79·0	80·4	73	72	27·8	26·5	92	71	N.E.	1	N.N.E.
8	80	29·948	81	29·932	29·758	29·739	79·6	74·4	82·2	77·2	84	75	69	116	79·1	80·3	73	75	27·4	29·5	78	79	N.XW.	3	S.S.W.
9	79	30·070	78	30·058	29·882	29·873	75·8	71·2	75·6	70·4	77	73	72	102	79·3	80·0	69	68	24·4	23·7	79	77	S.S.E.	3	W.N.W.
10	76	30·084	78	30·054	29·905	29·869	74·2	72·0	78·0	72·8	79	72	67	112	78·7	79·9	71	71	25·9	25·5	89	77	N.	1	E.XN.
11	78	30·090	79	30·064	29·905	29·876	76·4	73·0	79·0	72·4	79	71	63	135	78·4	79·7	71	69	25·7	24·4	84	71	Calm	0	S.
12	76	30·162	77	30·142	29·983	29·960	74·8	68·0	78·0	69·0	79	72	67	120	78·3	79·8	64	64	20·3	20·2	69	62	S.X.XE.	3	S.E.XE.
13	76	30·200	78	30·137	30·021	29·952	75·6	68·2	81·0	71·2	81	67	62	129	77·7	79·8	64	66	20·5	21·5	67	60	E.XS.	2	E.S.E.
14	76	30·167	80	30·106	29·988	29·916	74·6	70·8	80·4	75·0	83	67	62	146	77·4	79·7	69	72	24·1	26·7	82	77	N.XE.	1	E.
15	78	30·180	80	30·136	29·995	29·946	76·8	73·6	80·4	74·6	81	73	68	139	77·9	79·7	73	71	27·3	26·0	85	75	N.E.XN.	2	N.E.
16	76	30·178	81	30·102	29·999	29·909	74·6	71·6	83·0	73·0	84	69	63	134	77·8	79·8	71	68	25·5	23·3	86	60	N.N.E.	1	N.E.
17	78	30·142	82	30·054	29·957	29·857	77·0	72·6	86·0	77·8	86	70	65	140	77·7	79·4	70	75	25·3	29·2	80	68	N	1	E.S.E.
18	78	30·126	81	30·060	29·941	29·867	76·0	73·0	80·4	74·8	80	72	66	128	78·2	79·8	72	72	26·4	26·7	86	76	Calm	0	S.
19	76	30·155	77	30·086	29·976	29·904	73·8	69·0	77·0	69·2	77	70	65	106	78·3	79·3	66	64	22·0	20·7	78	66	S.E'ly	2	S.E.
20	75	30·142	78	30·078	29·965	29·893	73·6	67·6	79·0	69·0	79	69	62	133	77·9	79·4	64	63	20·7	19·8	72	58	N.E.XN.	2	N.E.
21	75	30·150	77	30·007	29·973	29·825	72·4	69·4	77·9	71·7	78	68	63	112	77·2	79·2	67	69	22·9	24·1	85	73	N.	1	N.XE.
22	77	30·104	81	30·050	29·922	29·857	77·8	73·2	81·8	74·6	85	71	66	140	77·0	79·3	71	72	26·2	26·5	80	70	N.XE.	2	N.XW.
23	79	30·080	84	30·020	29·892	29·818	79·2	76·2	87·8	78·8	89	77	74	141	77·4	79·1	75	75	29·3	29·9	87	66	N.N.E.	2	N.
24	79	30·132	82	30·088	29·944	29·891	76·2	74·6	83·0	76·8	85	75	72	134	78·0	79·1	74	74	28·5	29·0	93	74	N.E.XN.	2	N.W.
25	80	30·160	84	30·118	29·970	29·916	78·4	74·4	85·2	78·8	88	73	68	139	78·4	79·1	72	76	26·9	30·4	82	75	N.	2	E.S.E.
26	80	30·172	82	30·104	29·982	29·907	76·6	75·0	82·8	77·8	84	74	69	134	79·0	79·0	75	76	29·5	30·5	93	79	N.N.E.	1	E.XS.
27	79	30·124	80	30·078	29·936	29·888	76·2	74·8	78·4	75·6	80	74	71	105	79·2	79·1	74	74	28·5	28·3	93	87	S.E.	1	E.S.E.
28	78	30·132	80	30·107	29·947	29·917	76·6	73·8	80·0	74·2	81	74	71	130	79·0	79·0	73	71	27·3	26·0	87	75	E.XS.	3	E.XS.
29	78	30·166	79	30·110	29·981	29·922	76·4	73·4	79·4	72·8	80	73	70	127	78·8	79·1	72	69	26·4	24·4	86	72	N.E.	2	N.E.XE
30	78	30·144	80	30·069	29·959	29·879	75·4	75·0	79·8	76·8	82	74	71	106	78·3	79·1	74	76	28·9	30·3	98	87	N.N.E.	2	N.E.XN
Tls.	2336	904·011	2407	902·189	898·476	896·453	2281·6	2176·9	2435·0	2226·8	2463	2149	2004	3839	2355·6	2390·5	2126	2125	775·4	775·1	2520	2135	...	..	...
Mns	77·9	30·134	80·2	30·073	29·949	29·882	76·1	72·6	81·2	74·2	82·1	71·6	66·8	128·0	78·5	79·7	70·9	70·8	25·8	25·8	84·0	71·2	...	..	...

Temperature—
- Daily Range: Mean Max.—Min Mean—10·5°.
- Greatest Range—16° on 14th and 17th.
- Least Range—4° on 9th.
- Mid Temperature: ½ [Max. + Min.]—76·9°.
- Highest Maximum—89° on 23rd.
- Lowest Minimum—67° on 13th and 14th.
- Lowest Maximum—77° on 9th and 19th.
- Highest Minimum—77° on 23rd.
- Lowest Grass Minimum—62° on 13th, 14th and 20th.

Humidity—
- Greatest Humidity—98 per cent. on 30th at 8 a.m.
- Least Humidity—58 per cent. on 20th at 2 p.m.

Air Pressure—
- Highest Value at M.S.L.—30·021″ on 13th at 8 a.m.
- Lowest value at M.S.L.—29·739″ on 8th at 2 p.m.

No. of Days of—
- Rain—14.
- Hail—0.
- Thunderstorms—1.
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—2·23″ or 56·64 mm.
- Average for 53 years—6·38″.
- Difference from normal—,—4·15″.
- Greatest fall in 24 hours—0·52″ or 13·21 mm on 30th.
- Total since 1st January—65·45″

VISIBILITY SUMMARY—No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	0	0	1	0	2	5	8	14
2 p.m.	0	0	0	0	0	0	0	0	1	1	0	5	7	16

Standard Distance of Objects used for Estimate of Visibility:—X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18¾ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	10	6	12	2
2 p.m.	0	7	8	14	1

JUNE.

Wind. files run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters). Before Obser'tion.	At time of Obser'tion.	Between Obser'tion hours.	At time of Obser'tion.	After Obser'tion.	Visibility.		Cloud. Amount (0–10).		Cloud. Form.		Cloud. Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	State of ground.		Sunshine (hours and tenths).	Day
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II		
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)	
															"	"				
127·2	5·3	bc,b	b	b	b	bw,bc	M	M	2	3	cu	fr-cu/cu	E.	E.	..	..	0	0	10·2	1
122·4	5·1	bc,b	b	b	b	bw	M	M	2	1	ci/cu	fr-cu/cu	W./N.E.	E.	..	..	0	0	9·2	2
122·4	5·1	b,bc	bc	bcv,b	bv	bv,w	M	M	4	1	cu	cu	E.S.E.	E.S.E.	..	..	0	0	9·1	3
129·6	5·4	b	b	bc,c,b	b	bw	M	M	2	3	st-cu/cu	cu	N.E./N.E.	N.E.	..	..	0	0	8·9	4
124·8	5·2	b	b	bc,bv	b	bw	L	M	1	3	cu	ci/cu	N.E.	?/E.	..	..	0	0	9·3	5
122·4	5·1	c,o	o	o,c,bc	c	c,bcw	M	M	9	8	ci/ci-st/cu/cu-nb	ci/ci-st/cu/cu-nb	WNW./E.	WNW./ENE.	Trace	0·03	0	0	3·5	6
158·4	6·6	c,op	c	c,bc,o	o	o,c,bc	M	M	7	9	a-cu/st	a-st-cu	W./NE.XN.	WNW./NNE.	..	..	0	0	3·2	7
189·6	7·9	c,o	o	c,o	o	c,bc,oirl,b	M	K	9	9	a-st/st	ci-st/nb/st	W./N.W.	W./W.	Trace	0·40	0	0	6·3	8
158·4	6·6	bc,oid	oid	oidq	o	o,c,bc,b	H	M	10	10	nb/st	a-st/nb	S.S.E.	?/S.S.W.	0·01	0·01	1	1	0·3	9
115·2	4·8	c,od	c	op,c	cp	o,c,bc	L	L	8	8	cu/cu-nb	cu-nb	E.	E.XN.	Trace	..	1	1	1·0	10
225·6	9·4	o,c,bc	bc	c,opq,bc	bc	c,o	L	L	6	6	cu/cu-nb	ci-cu/cu	S.S.W.	WNW./SSW.	0·04	..	1	0	5·0	11
182·4	7·6	o,c,	c	cv,o,bc	cv	cv,o,bw	M	M	7	8	cu/cu-nb	cu/cu-nb	S.E.	E.S.E.	..	..	0	0	3·2	12
120·0	5·0	b	bv	bc,bv	bv	bv,c,o,bw	M	M	3	3	ci/fr-cu	cu	W./E.S.E.	E.S.E.	..	..	0	0	7·2	13
112·8	4·7	bc,b	b	b,c,bc	bc	bc,cq,p	L	L	3	5	ci/cu	cu/cu-nb	W.N.W./-	E.N.E.	..	0·01	0	0	8·0	14
148·8	6·2	c,bc,b	b	c,opp	bc	cp,bc,b	K	K	3	6	cu/cu-nb	cu/cu-nb	N.N.E.	N.E.	0·27	Trace	0	1	5·4	15
141·6	5·9	bc,b	b	b,bc	bc	bc,c,o,bw	K	L	1	5	cu	cu	N.E.	N.	..	..	1	0	8·6	16
124·8	5·2	b	b	b	b	bc,c,bw	L	L	1	3	st	cu	....	S.W.	..	..	0	0	8·4	17
148·8	6·2	b	b	b,bcv	bcv	bcv,b	M	M	2	4	cu	cu	S.	S.	..	0·05	0	0	6·5	18
148·8	6·2	bc,op	ojp	ojp	o	op,c	M	M	9	9	st	st-cu	S.S.E.	S.E.	Trace	Trace	0	0	0·0	19
127·2	5·3	c	c	c,bc	bcy	bc	M	M	8	6	ci/ci-st/cu	ci-st/st-cu	W./E.XN.	?/N.N.E.	..	..	0	0	6·0	20
139·2	5·8	c,o	o	oid	o	o,c,bw	K	L	9	9	a-st/st-cu/cu-nb	ci-st/a-cu/cu	WNW./N.	W./W./N.	0·01	..	0	0	1·6	21
201·6	8·4	bc	bc	bc,cjp	cq	c,o,bc	K	K	5	8	ci/ci-cu/cu	cu-nb	W./N.N.E.	N.	Trace	Trace	0	0	6·2	22
177·6	7·4	c,bc	bc	bc,cp	bcv	bcv,oql,b	L	M	6	4	a-cu/cu-nb	ci/cu	NNW./NNW.	?/N.W.	0·01	0·01	0	0	6·8	23
122·4	5·1	op,c	cjp	c,bc	cjp	c,or,bc	M	L	7	8	st-cu/nb/st	ci-st/st-cu/cu-nb/nb	NW./WNW.	?/WNW/WN	Trace	Trace	0	0	4·2	24
98·4	4·1	bc	bc	b,bc	bc	bc,c,o,b	M	M	5	6	ci/ci-st	ci/cu/cu-nb	W.	W./N.E.	..	..	0	0	7·0	25
146·4	6·1	bc	cjp	c,op,bc	c	bc,b,oid	L	M	8	8	cu-nb	fr-cu/cu-nb	E.	E.S.E.	..	0·28	0	0	6·8	26
213·6	8·9	oidr,bc	c	c,bc,oid	ojp	oid,c	L	I	8	9	cu/nb	cu-nb/nb	E.S.E.	E.S.E.	0·05	0·08	1	1	0·7	27
230·4	9·6	or,c	ojp	od,bc	cjp	bc,cpo	K	K	9	8	ci/cu-nb/nb	ci/cu-nb	W./E.	W./E.XS.	0·02	0·09	1	0	3·2	28
189·6	7·9	copq,bc	bcjp	bc,cop	c	bc,c,o	J	K	6	7	ci/cu-nb/nb	ci-cu/cu-nb	W./E.N.E.	WNW./ENE.	Trace	0·34	1	0	3·0	29
141·6	5·9	oidr	oir	oir,bc,cp	op	c,opidl,b	J	H	10	9	st	cu-nb/st	N.E.	N.N.E.	0·08	0·44	1	1	2·9	30
512·0	188·0	....	...	....	...	....	..	..	170	186	.....	.....	....	....	0·49	1·74	..	..	161·7	Totals
150·4	6·3	....	...	....	...	....	..	..	5·7	6·2	.....	.....	....	....	..	..	..	..	5·4	Mean

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	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.
8 a.m.	0	0	28	2	0	11	5	6	0	2	0	3	1	0	0	0	0	0	0	0
2 p.m.	0	5	25	0	0	3	1	6	1	6	6	2	0	2	1	0	0	0	1	1
Total	0	5	53	2	0	14	6	12	1	8	6	5	1	2	1	0	0	0	1	1

Prevailing Direction, N.; 8h., N.; 14h., N.E., E. and E.S.E.; Maximum velocity 29 m.p.h. from E. x S. at 12.21 p.m. on 28th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

JUNE, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	3·7	10·3	16	3·6	10·5
2	3·7	11·4	17	3·4	10·0
3	3·7	9·9	18	3·7	10·7
4	3·8	12·2	19	4·1	14·5
5	3·4	11·6	20	3·8	11·4
6	..	...	21	4·1	14·0
7	4·4	12·8	22	4·0	12·8
8	5·0	13·5	23	4·2	14·5
9	5·2	14·4	24	4·4	13·2
10	4·1	15·7	25	3·4	11·6
11	4·2	11·0	26	4·1	11·3
12	5·1	13·2	27	4·0	11·5
13	4·9	16·0	28	5·3	4·0
14	3·6	10·7	29	7·1	16·0
15	3·5	10·5	30	6·6	16·0
Totals	..	...	..	124·1	355·2
Means	..	...	..	4·3	12·2

WEALHER DIARY—JUNE, 1937.

Date.

1. Fine and clear sky all day. Calm early. Variable N.E. airs 0638, increasing force 2/3 0830, veering E. to E.S.E. 1100, gradually falling off after 1600 backing N.E. and N'ly. Dew at night.

2. Fine and clear sky all day and night. Calm early. N.N.E. airs 0748, veering N.E. force 2. 0835 and to E'ly force 2/3 0958, gradually falling off after 1600, backing N'ly 1900. Dew at night.

3. Early morning fine, ¼ to ½ cloudy and N'ly airs to calm. Clear sky during the day and night, cloudless at times. Unusual visibility. Light to gentle E.S.E. breeze 0928, backing E. 1500, gradually falling off after 1600 backing N'ly. Dew at night.

4. Fine and clear sky all day and night cloudless at times. N'ly airs to calm early, veering E. force 2 0918, backing N.E. force 3 1148, falling off after 1600. Dew at night.

5. Fine, clear sky and N'ly airs to calm early. Half to quarter cloudy during the day and unusual visibility. Wind gradually increased force 2/3 0852, veering E. to E.S.E., backing N.E. after 1600 falling off. Dew at night.

6. Early morning overcast and N'ly airs to calm. Red sunrise. Variable sky during the day but mainly cloudy. Half cloudy night and dew. Wind gradually increased force 2/3 after 0900 veering E., backing E.N.E., force 2, falling off 1920.

7. N.E. to N'ly airs to calm early. Light showers 0540 to 0640. Variable sky all day but mainly cloudy to overcast. Gentle N.N.E. breeze 0918 falling off 1615. Variable N'ly winds force 1/2 2212.

8. Early morning overcast and light to gentle N'ly winds with occasional moderate gusts, falling off after 0920 becoming variable. Trace rain 1110. Light to moderate winds between S. and W. from 1820 and intermittent rain 1910 to 2320 and lightning. Then sky cleared.

9. Overcast all day to 1630 then gradually clearing. Intermittent drizzle 0330 to 0515, then very thin intermittent drizzle to 1330. Light to moderate S.W. winds early gradually backing S.S.E. Squalls 1225 to 1300 then falling off backing W.N.W. Gentle to moderate S.E. breeze 1412, gradually backing E.

10. Gentle E. winds falling off 0140 backing N'ly. Cloudy to overcast. Drizzle 0630 to 0650. Very light scattered showers during the day, variable sky at night. Light to gentle variable E.to N. winds from 0830 falling off 1748.

11. N'ly airs to calm early, backing S.W'ly about 0700. Variable sky mainly cloudy. Light breeze 0855 backing S. to S.E. in fresh rain squall 1058 to 1112 then falling off veering S., increasing force 3/4 1242 and to force 3/5 gusty 1455 backing S.E. Mainly overcast at night. Maximum wind velocity 25 m.p.h. from S.E. x S. at 1505.

12. Gentle S.E. breeze during the day with frequent moderate gusts. Variable sky, mainly cloudy and unusual visibility, wind falling off 2000 backing N'ly 2210. Overcast during early evening, becoming cloudless about 2030, and dew.

13. Early morning fine, clear sky and unusual visibility. Light N'ly winds veering E'ly 0745 increasing force 2/3, falling off 1500 backing N'ly after 1650. Variable sky after 1600. Dew at night.

14. N'ly airs to calm early and fine. Variable sky during the day but mainly ½ to ¾ cloudy. Light to gentle N.E. breeze 1010 veering E. after 1200, backing N.E'ly 1437, falling off after 1625. Light to gentle E. squall 2128 to 2138. Light shower 2345.

15. Light N.E winds early, fine and ½ to ¾ cloudy. Light to moderate N.E. winds after 0810 with occasional fresh gusts. Cloudy to overcast and moderate to heavy showers 0950 to 1200 then conditions improved. Clear sky at night after trace of rain at 1945. Light N.E. to N.N.E. winds after 1630. Maximum wind velocity 25 m.p.h. from N. E. at 1528.

16. Early morning fine, clear sky and N.N.E. airs to calm. Half to quarter cloudy during the day, variable sky at night and dew. Wind increased force 2/4 N.N.E. to N.E. after 0955, light breeze 1640 falling off 2148.

17. Fine and clear sky all day. N'ly airs to calm early, increasing force 2/3 0840, falling off 1250 backing E.S.E. force 2 by 1358, veering S. and S.W. after 1500 falling off 2000. Variable sky at night but mainly clear, and dew.

Date.

18. Early morning fine, clear sky and N'ly airs to calm. Light S.W. breeze 0947 backing S. force 3 and S.E. after 1530 gradually falling off, backing N'ly 2110. Half to quarter cloudy during the day and night.

19. N'ly airs to calm early, fine and half cloudy. Overcast all day from 0400. Showers 0430 to 0445. Light to gentle S.E. breeze 0400 backing N'ly after 1900, veering E.S.E. 2102. Light shower 1812.

20. Early morning cloudy and fine. Wind backed N. 2 after 0300, veering N.E'ly 0600, increasing force 2/3 1035 falling off after 1625, backing N'ly 2250. Variable sky during the day, half cloudy night.

21. Cloudy to overcast early and N'ly airs to calm. Wind increased from N.E. to N. x E. 1105 to force 4/5, with occasional strong gusts, falling to force 2/3 1504, falling off 2145. Drizzle 1120 to 1150. Sky cleared about 2010. Dew at night. Maximum wind velocity 25 m.p.h. from N. x E. at 1347.

22. Early morning fine, half cloudy and calm. Light N.N.E. to N. breeze 0400, increasing force 3/4 0830 and to force 3/6 squally 1300, gradually falling to force 2 after 1435. Variable sky during the day, threatening at times. Maximum wind velocity 28 m.p.h. from N. to 1335.

23. Light to gentle N.N.E. breeze early. Variable sky all day but mainly half cloudy. Light showers 1000 to 1015. Gentle to moderate N.N.E. to N.N.W. breeze 1140, backing S.W'ly squally 1720 falling off 1810, backing N.E. to N'ly 1912. Unusual visibility during the day. Occasional lightning at night. Maximum wind velocity 23 m.p.h. from S.W. at 1738.

24. Wind backed S.W. 2 0340, veering N.E'ly after 0450. Early morning cloudy and very light showers 0510 to 0525. Rainbow 1815. Wind backed N'ly force 2/3 1015 and to N.W. 1230, falling off 1430, backing S.W. 1647, and to N.N.E. 2020. Variable sky during the day, mainly cloudy, threatening appearance at times. Distant thunder 1515 to 1545.

25. Early morning fine, half cloudy and N'ly winds force 1/2. Half to quarter cloudy during the day, becoming overcast 1730, clearing 2020. Lunar corona 2030. Wind veered E.S.E. 1305 force 2/3, backing N.E. 1430 falling off 1700.

26. Early morning fine, half cloudy and N.N.E. airs to calm. Cloudy and very light showers 0802 to 0805. Wind veered E'ly force 2/3 0838, falling off after 1500, backing N.E. and N'ly 1800. Variable sky during the day but mainly ½ cloudy. Clear sky early evening, gradually becoming overcast after 1930. Intermittent drizzle 2210.

27. Mainly cloudy to overcast all day and intermittent drizzle and rain to 0605, and 1100 to 1310. Sky became half cloudy after 0615 covering again 0820. Light E. to S.E. winds 0400, falling off and backing N.W'ly 0803, veering S.E. 1022, increasing force 3/4 from E.SE. 1100. Very thin drizzle occasionally during the night.

28. Mainly cloudy to overcast, rain 0230 to 0300. Light to moderate E. to E.S.E. winds. Rainbow 0840. Drizzle 1050 to 1115, then occasional bright intervals. Showers 1800 to 1805 and 2320 to 2350. Gentle to fresh gusty breeze 1200, backing E.N.E. to N.E. after 2110. Maximum wind velocity 29 m.p.h. from E. x S. at 1221.

29. Early morning cloudy and light showers 0235 to 0620 then occasionally half cloudy. Light to gentle E.N.E. to N.E. winds with occasional moderate to fresh squalls. Moderate to fresh E. x N. breeze 0830, very gradually falling to force 1/2 after 1310 backing N.E'ly. Mainly overcast at night.

30. Mainly overcast all day. N.E. to N.N.E. winds force 1/2 early. Intermittent drizzle and rain 0050 to 0820, then showery to 1100, then, occasional very light showers and half cloudy. Heavy showers 1645 to 1730 then thin intermittent drizzle to 2025, then sky cleared. Wind gradually increased to force 4 gusty, falling off after 1248. N'ly airs to calm 2108. Lightning 1920 to 2100. Maximum wind velocity 28 m.p.h. from N.E. x N. at 1223.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

JULY, 1937.

JULY.

Day.	Attached thermometer and barometer as read in inches. I (1)	I (2)	II (3)	II (4)	Air Pressure at Mean Sea Level in the Units of Measurement. I (5)	II (6)	Temperature (degrees F.) In Screen. I Dry. (7)	I Wet. (8)	II Dry. (9)	II Wet. (10)	Maximum. (11)	Minimum. (12)	In Open. Grass Min. Eve to Morn. (13)	Max. in Sun. Black Bulb in vacuo. (14)	In Ground. I 1 foot. (15)	I 4 feet. (16)	Humidity. I Dew Point. (17)	II Dew Point. (18)	I Vapour Pressure. (19)	II Vapour Pressure. (20)	I Percentage. (21)	II Percentage. (22)	Wind Direction and Force (Beaufort Scale). I (23)	I (24)	II (25)	II (26)
	°	″	°	″	″	″	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.			Dir.	F	Dir.	F
1	78	30·074	81	30·007	29·889	29·814	76·6	75·4	82·6	76·6	84	74	70	133	78·5	79·1	76	74	30·2	29·0	94	75	Calm	0	s.	2
2	78	30·086	79	30·050	29·901	29·862	75·0	74·2	77·2	74·6	78	74	70	96	79·2	79·2	74	73	28·2	28·0	96	88	s.e.	3	s.e.	2
3	75	30·157	76	30·108	29·980	29·929	73·0	71·4	73·8	72·0	77	72	71	92	78·8	79·0	71	71	25·7	25·9	92	91	s.s.e.	2	s.e'ly	1
4	75	30·220	76	30·160	30·043	29·981	72·8	71·0	74·8	71·2	76	71	70	94	78·4	78·9	70	70	25·0	24·8	91	83	n.n.w.	1	s.e'ly	1
5	75	30·188	77	30·127	30·011	29·945	74·8	68·8	77·2	68·2	78	72	68	104	78·0	78·7	66	63	21·5	19·4	72	62	e.s.e.	2	e.xs.	2
6	75	30·186	77	30·120	30·009	29·938	71·8	70·2	78·4	71·4	79	69	72	101	77·4	78·3	70	67	24·8	22·8	92	70	n.w.	1	e.xn.	3
7	75	30·230	78	30·202	30·053	30·017	72·8	70·0	80·6	73·8	81	67	60	123	77·2	78·1	68	71	23·7	25·6	86	71	n.xe.	1	e.s.e.	3
8	76	30·271	78	30·220	30·092	30·035	75·8	71·0	80·6	73·0	81	69	64	142	77·0	78·4	68	70	23·7	24·9	78	68	n.e.xe.	2	e.s.e.	3
9	75	30·238	77	30·187	30·061	30·005	73·8	69·0	76·8	69·6	77	71	68	112	76·8	78·2	66	66	22·0	21·9	78	68	e.s.e.	4	s.e.xe.	4
0	73	30·221	75	30·178	30·051	30·001	71·8	67·8	75·0	68·0	75	69	67	92	76·1	78·1	66	64	21·6	20·3	80	68	e.s.e.	4	e.s.e.	4
1	73	30·212	75	30·168	30·042	29·991	72·6	68·6	74·2	70·0	77	69	67	103	75·4	77·9	67	68	22·4	23·3	80	80	e.	4	e.	4
2	74	30·195	77	30·152	30·021	29·970	73·6	68·0	76·4	70·2	79	70	67	109	75·0	78·0	65	67	21·2	22·4	74	72	n.e.xe.	2	e.s.e.	3
3	75	30·149	77	30·080	29·972	29·898	73·4	70·2	79·2	72·6	80	69	64	121	74·8	77·4	68	69	23·7	24·4	85	72	n.	1	e.	3
4	75	30·100	77	30·038	29·923	29·856	74·6	72·6	75·4	73·8	80	72	67	104	75·2	77·1	72	73	26·8	27·5	90	93	s.e.xe.	2	e.s.e.	3
5	75	30·074	76	30·030	29·897	29·851	74·2	71·2	74·3	72·3	78	71	70	97	75·7	77·1	69	71	24·6	25·9	86	90	e.s.e.	4	e.s.e.	4
6	75	30·060	77	29·990	29·883	29·808	73·8	71·6	75·0	74·8	78	71	69	92	75·3	77·0	71	75	25·9	29·7	89	99	e.xn.	3	e.xn.	3
7	75	29·939	79	29·854	29·762	29·666	74·0	72·2	84·0	76·2	84	73	70	139	75·7	77·0	71	72	25·9	27·1	91	69	n.e.	3	n.n.w.	3
8	74	30·118	75	30·095	29·944	29·918	70·8	67·8	73·8	67·0	75	68	66	104	75·8	76·7	66	63	22·0	19·5	85	69	s.s.e.	3	s.s.e.	3
9	73	30·156	75	30·133	29·986	29·956	70·4	63·8	75·2	66·4	76	65	58	126	75·0	76·3	59	60	17·1	17·8	68	61	s.e.xe.	2	e.xs.	2
0	72	30·208	76	30·155	30·040	29·976	68·8	67·0	79·0	70·1	79	66	63	137	74·2	76·3	66	65	21·7	21·1	91	62	n.xe.	1	s.e.xe.	3
1	75	30·197	75	30·144	30·020	29·967	71·6	70·0	72·4	71·4	75	70	66	108	74·8	76·3	70	71	24·8	25·5	92	95	n.xe.	1	n.xe.	2
2	74	30·161	78	30·093	29·987	29·908	73·2	71·8	79·4	73·8	80	71	69	143	74·3	76·3	71	71	25·7	25·7	93	76	e.n.e	2	n.e.	3
3	76	30·186	75	30·154	30·007	29·977	73·6	71·6	74·8	72·8	76	70	64	126	75·0	76·2	71	72	25·9	26·8	90	90	Calm	0	e.s.e.	4
4	75	30·216	77	30·152	30·039	29·970	74·2	69·2	77·2	71·2	78	71	66	122	75·2	76·3	66	68	22·0	23·3	77	74	n.e.x.n	1	e.xn.	3
5	76	30·200	78	30·116	30·021	29·931	75·6	71·6	82·0	73·0	83	70	64	149	75·0	76·4	70	68	25·0	23·7	82	64	n.n.e.	1	n.n.e.	3
6	75	30·163	79	30·104	29·986	29·916	72·8	70·4	82·0	74·0	82	68	63	142	75·2	75·4	69	70	24·4	25·1	88	67	Calm	0	e.s.e.	2
7	75	30·152	76	30·094	29·975	29·915	72·8	72·0	73·0	70·2	77	68	64	129	75·7	76·5	71	68	26·4	23·7	96	86	s.w.	3	s.s.e.	4
8	73	30·196	75	30·149	30·026	29·972	71·4	64·6	74·1	65·9	76	69	67	126	75·0	76·4	59	61	17·2	18·3	68	63	s.e.	3	s.e.	3
9	73	30·218	75	30·186	30·048	30·009	73·0	64·8	77·4	68·1	78	68	63	140	74·0	76·5	60	57	17·5	15·8	62	58	e.s.e.	3	e.s.e.	3
0	72	30·228	75	30·194	30·060	30·017	70·8	66·8	77·6	68·8	78	66	62	142	74·0	76·7	65	64	20·8	20·2	80	62	e.	2	s.e.xe.	3
1	72	30·223	76	30·150	30·055	29·971	69·2	67·8	77·4	70·0	78	68	66	137	74·0	76·3	67	65	22·3	21·2	93	68	n.e.	2	e.	4
s.	2312	935·222	2677	933·590	929·784	927·970	2262·6	2162·4	2390·8	2211·0	2433	2161	2055	3685	2351·7	2396·1	2108	2107	729·7	730·6	2619	2314	...	..	...	..
ns	74·6	30·168	76·7	30·116	29·993	29·935	73·0	69·8	77·1	71·3	78·5	69·7	66·3	118·9	75·9	77·3	68·0	68·0	23·5	23·6	84·5	74·6	...	..	...	..

Temperature--
- Daily Range: Mean Max.—Mean Min—8·8°.
- Greatest Range—14° on 7th and 26th.
- Least Range—4° on 2nd.
- Mid Temperature: ½ (Max. + Min.)—74·1°.
- Highest Maximum—84° on 1st and 17th.
- Lowest Minimum—65° on 19th.
- Lowest Maximum—75° on 10th, 18th and 21st.
- Highest Minimum—74° on 1st and 2nd.
- Lowest Grass Minimum—58° on 19th.

Humidity—
- Greatest Humidity—99 per cent. on 16th at 2 p.m.
- Least Humidity—58 per cent. on 29th at 2 p.m.

Air Pressure—
- Highest Value at M.S.L.—30·092″ on 8th at 8 a.m.
- Lowest Value at M.S.L.—29·666″ on 17th at 2 p.m.

No. of Days of—
- Rain—27.
- Hail—0.
- Thunderstorms—0.
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—4·76″ or 120·90 mm.
- Average for 53 years—5·27″.
- Difference from normal—, −0·51″.
- Greatest fall in 24 hours—0·82″ or 20·83 mm on 21st.
- Total since 1st January—70·21″.

VISIBILITY SUMMARY—No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	1	0	1	5	1	9	9	5
2 p.m.	0	0	0	0	0	0	1	1	4	2	2	3	10	8

Standard Distance of Objects used for Estimate of Visibility:—X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18¾ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	4	3	15	9
2 p.m.	0	2	5	12	12

JULY.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters). Before Obser'tion.	At time of Obser'tion.	Between Obser'tion hours.	At time of Obser'tion.	After Obser'tion.	Visibility.		Cloud. Amount (0-10).		Form.		Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	State of ground.		Sunshine (hours and tenths).	Da
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II		
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)	
98·4	4·1	bc,oid	bcv	bcv,b	bv	bcv,c,oidR	M	M	5	3	a-cu/st	cu/cu-nb	W N W /N	W.N.W.	..	0·69	1	1	7·2	
153·6	6·4	oDr	oDr	oid	ojp	oidr	F	H	10	10	st	st	S.S.E.	S.E.	Trace	0·28	2	1	0·0	
108·0	4·5	oidr,d	oid	oid,d	oid	oid,d	H	F	10	10	nb/st	st	S.E.	S.E.	0·02	0·01	2	1	0·0	
151·2	6·3	ojp	ojp	oid	oid	oid	K	J	9	10	cu-nb/st	st	E.	E.S.E.	0·01	0·06	1	1	0·0	
141·6	5·9	ov	ov	cv,o	ov	cv,b,o	M	M	9	9	st-cu	st-cu	S.E.	E.S.E.	..	0·03	1	0	2·7	
110·4	4·6	od,c	c	c,op	c	bc,b,cop	K	L	8	8	st-cu/nb/st	st-cu/cu-nb	E./E.	E./E.	0·02	Trace	1	1	3·6	
124·8	5·2	c,b	b	b,bc	c	b,o,bw	L	L	2	7	ci-cu/st	a-cu/cu	NNE./NNE.	WNW./ESE.	Trace	..	1	0	3·8	
302·4	12·6	b,c	c	c,bc,o	c	op	L	M	8	7	st-cu	ci/cu/cu-nb	S.E.	W./E.S.E.	..	0·05	0	0	4·6	
319·2	13·3	o	o	ojp	o	oidr,c	K	K	9	9	cu/cu-nb/st	cu-nb	S.E.XE.	S.E.	Trace	0·18	0	0	0·0	
302·4	12·6	oird	oid	oidr	o	o	I	L	10	10	nb/st	cu-nb/nb	E.S.E.	E.S.E.	0·03	0·20	1	1	0·7	1
283·2	11·8	oidrq	o	oidqc	oid	oidr	I	I	10	9	nb/st	cu-nb/nb/st	E.XS.	E.	0·03	0·09	1	1	1·1	1
182·4	7·6	od	o	c,opq	o	c,b,opq	L	L	9	9	ci/cu/st	ci/cu-nb	W./E.	W./E.	Trace	0·04	1	1	3·6	1
177·6	7·4	op,b	bjp	b,c,opq	bcp	cq,op	L	K	3	6	cu-nb	ci/cu-nb	E.N.E.	E./E.	0·01	0·09	1	1	5·0	1
232·8	9·7	c,op	ojp	c,bc,oid	oid	oidrq	J	I	9	10	ci-st/st	nb/st	?/S.E.	E.S.E.	0·09	0·21	1	1	2·8	1
283·2	11·8	oidq	ojp	oidp	oid	oidrq	K	H	10	10	nb/st	st	S.E.	S.E.	0·01	0·35	2	2	0·0	1
177·6	7·4	oidrq	oid	c,oird	oirp	oird,bc	I	G	10	10	nb/st	st	E.	E.	0·14	0·16	2	2	0·4	1
316·8	13·2	bc,oirq	oirq	oq,c	c	c,oqdR,d	M	M	9	8	a-st/st	ci-st/ci-cu/cu/cu-nb	WNW./N.	W./W.N.W.	Trace	0·15	2	1	0·9	1
189·6	7·9	cp,bcq	bcjp	bcpq,c,o	o	o	K	L	4	9	cu-nb	cu-nb	S.S.W.	S.	Trace	..	2	1	3·5	1
105·6	4·4	ov	ov	ov	ov	oid	M	M	9	10	st-cu	st-cu	E.S.E.	E.S.E.	..	0·04	1	1	0·3	1
146·4	6·1	oid	oid	o,c,bc	c	o,c,bc	L	M	9	7	cu/nb	cu/cu-nb	E.	E.S.E.	Trace	0·02	1	0	3·9	2
136·8	5·7	c,op	cjp	oirq	oir	oqidr	K	H	7	10	ci-ncu/cu-nb	nb/st	W./E.	E.N.E.	0·40	0·42	1	2	0·2	2
175·2	7·3	cpo	opq	c,opq	oq	c,bc,opq	I	K	10	7	nb/st	cu-nb	N.E.	N.E.	0·04	0·02	2	2	4·3	2
208·8	8·7	c,bc	cjp	oidd	oid	oidr,c	K	H	7	10	cu/nb	nb/st	S.S.W.	E.S.E.	0·03	0·24	2	2	0·6	2
134·4	5·6	c,bc	bc	c,od	o	o,c,bcp,b	L	L	5	9	ci-cu/cu/cu-nb	cu-nb	N.E./N.E.	E.NN.	0·01	0·01	2	1	1·7	2
146·4	6·1	bc,b	b	b,bc	bc	bc,bw	K	L	2	5	cu	cu/nb	N.E.	N.	..	..	1	1	8·5	2
115·2	4·8	b	b	b	b	b,bc	L	L	1	1	cu	cu	N.	S.S.W.	..	0·05	1	0	9·1	2
264·0	11·0	b,od	odq	odrq	oid	oidq	I	J	10	10	st	st	S.	S.S.E.	0·04	0·05	1	1	0·4	2
237·6	9·9	oq	o	o	o	ojp	L	L	10	10	a-st	a-st/cu-nb	S.E.	?/S.E.	..	0·01	1	0	0·0	2
204·8	8·5	od,c	cv	cv,bcpq	bcy	bc,cpq	M	M	8	4	st-cu	cu-nb	S.E.	S.E.	Trace	0·04	0	0	5·2	2
225·6	9·4	cpq	cjp	cpq,bc	bcv	bc,copq	L	M	8	6	ci/cu-nb	ci/a-cu	W.N.W./E.	W./S.E.	0·02	0·37	1	0	4·5	3
194·4	8·1	c,opq	cjp	cp,bc	bcjp	bc,b	K	L	8	6	cu-nb	ci-cu/cu-nb	E.	W./E.	Trace	..	1	0	6·8	3
5950·4	247·9	....	...	....	...	....	..	..	238	249	.....	.....	....	....	0·90	3·86	..	..	85·4	To
191·9	8·0	....	...	....	...	....	..	..	7·7	8·0	.....	.....	....	....	..	..	..	..	2·8	Mo

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	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.
8 a.m.	0	4	24	3	1	4	1	5	1	3	5	4	2	0	0	1	0	0	0	1
2 p.m.	0	7	24	0	1	1	1	1	0	8	9	7	2	1	0	0	0	0	0	0
Total	0	11	48	3	2	5	2	6	1	11	14	11	4	1	0	1	0	0	0	1

Prevailing Direction, E.S.E.; 8h., N.E. and E.S.E.; 14h., E.S.E. Maximum velocity, 37 m.p.h. from E. at 10.20 a.m. on 11th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

JULY, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	4·5	9·4	17	6·2	14·5
2	6·1	14·5	18	5·3	16·0
3	..	..	19	4·0	11·6
4	6·1	13·2	20	4·6	14·9
5	4·7	13·2	21	3·7	10·5
6	..	..	22	5·5	18·5
7	4·8	13·2	23	3·9	15·5
8	..	..	24	3·4	10·5
9	7·1	16·5	25	2·7	9·4
10	7·6	16·5	26	2·7	9·4
11	7·2	14·5	27	4·5	13·5
12	3·8	14·0	28	4·9	12·1
13	4·6	14·5	29	4·0	11·0
14	5·2	14·0	30	3·7	11·9
15	5·5	13·6	31	4·8	13·6
16	7·0	18·1			
Totals	..	..	..	138·1	378·0
Means	..	..	..	4·9	13·5

WEATHER DIARY—JULY, 1937.

Date.

1. N'ly airs to calm early and overcast. Thin intermittent drizzle 0640 to 0730, then half to quarter cloudy and unusual visibility. S'ly winds force 1/2 1002, backing S.S.E. 1635, becoming variable 1846. Calm 2130. Sky gradually covered after 1530. Intermittent drizzle 1755 to 2100 with heavy rain 2005 to 2142.

2. Overcast all day and poor visibility. Calm early; light S.E. breeze 0515 falling off 0600. Light to gentle S.E. breeze all day from 0700 and thick drizzle and rain to 0810, then very thin intermittent drizzle, increasing to intermittent drizzle and rain 1720.

3. Overcast all day and night. Intermittent drizzle and rain to 0700, then very thin intermittent drizzle, moderate at times, to 1830. Rainbow 0822. Light to gentle S.E'ly winds, becoming variable force 1/2, 1145.

4. Early morning overcast and precipitation in sight. Variable winds all day force 1/2, mainly S.E. Light to gentle E.S.E. breeze 1550. Intermittent drizzle 1230 to 1510 and occasionally at night.

5. Light to gentle E.S.E. winds early and cloudy to overcast but fine, sky gradually clearing after 1600, becoming cloudy 2130. Wind gradually fell to force 1 after 1500, backing N'ly 1818, veering E.xS. force 1/2 2248. Unusual visibility during the day.

6. Early morning overcast and N'ly airs, backing N.W. 0700 falling off 0803. Drizzle 0615 to 0710, then cloudy to overcast. Showers 1010 to 1030. Light N.E. winds 1028, increasing force 3, veering E., backing N.E. after 1400, falling off 1715. Sky cleared after 1500, becoming cloudy 1930. Trace rain 2230.

7. N'ly airs to calm early and fine and clear sky, soon becoming cloudy, clearing 1630. Practically cloudless night. Trace rain 1110. Wind gradually veered N.E. to E'ly force 2/3 falling off 1700 backing N'ly 1815. Light variable N. to E.S.E. winds 2150. Dew about 2030.

8. Cloudy early and light E. winds, backing N.E. 0425 falling off, veering E'ly after 0800, increasing force 3/4, gradually veering E.S.E. to S.E., freshening 1850, frequent strong gusts after 2142. Occasionally half cloudy during the day, but mainly cloudy. Overcast night and boisterous. Shower 1830 to 1835.

9. Overcast all day but mainly fine; precipitation in sight. Gentle to fresh E.S.E. winds with frequent strong gusts. Generally boisterous conditions. Intermittent drizzle and rain from 1625. Maximum wind velocity 33 m.p.h. from E.S.E. at 0018.

10. Early morning overcast moderate to fresh E.S.E. to E. winds with frequent strong gusts. Intermittent drizzle and rain to 1040. Wind backed N.E. in lull 1100 to 1110. Mainly overcast all day and rather boisterous conditions. Maximum wind velocity 31 m.p.h. from E. at 0158.

11. Mainly overcast all day with intermittent drizzle and rain 0012 to 2002. Moderate to strong E'ly winds, squally and gusty, all day. Generally boisterous. Maximum wind velocity 37 m.p.h. from E. at 1020.

12. Gentle to moderate E'ly winds early, gradually falling to force 2/3 backing N.E'ly. Overcast and drizzle 0005 to 0015. Then fine but cloudy to overcast. Gentle to moderate E. to N.E. winds during the day with occasionaly fresh gusts. Sky cleared 1900. Moderate to fresh E. squall 2318 to 2328 and light shower. Maximum wind velocity 25 m.p.h. from E. at 2320.

13. Light to moderate squally E. to N. winds early and overcast with showers 0620 to 0720, then variable sky, clear at times. Rainbow 0817. Showers 0842 to 0852, 1358 to 1403 1625 to to 1630 and 1815 to 1825. Gentle to fresh squally E'ly winds 0950, falling to force 2/3 1500 veering E.S.E. to S.E. Mainly overcast night.

14. Variable airs to calm at first, light to gentle S.E. to E.S.E. breeze 0158. Overcast, shower 0635 to 0640, clearing 0910. Overcast with intermittent drizzle and rain from 1212. Occasional moderate squalls during the day. Gentle to moderate E.S.E. to S.E. breeze 2210 with fresh gusts.

15. Gentle to fresh S.E. to E.S.E. winds all day and overcast; occasional strong squalls. Intermittent drizzle to 0700 and 1330 to 1420. Intermittent drizzle and rain from 2045. Maximum wind velocity 35 m.p.h. from S.E.xE. at 1121.

16. Light to moderate squally E'ly winds early, overcast and intermittent drizzle and rain to 2110 then half cloudy. Wind backed N.E. occasionally, falling force 2/3 1812 backing N.E. and N.N.E.

17. Variable N. to E. winds early forces 1/4 squally, mainly N.E. Overcast and intermittent rain 0730 to 0805, then fine but cloudy. Wind increased in squalls force 3/6 0958 backing N.N.W. falling to force 3 1310, falling off 1430 becoming variable. Fresh W.xS. squall 1635 to 1645 and drizzle, then N.N.E. airs to calm. Fresh S.W.xS. squall 1918 to 1958 then veering N.W. Moderate to strong S.W. breeze 2047 backing S. 2100. Pretty sunset., Overcast night. Heavy rain 2050 to 2100 then drizzle to 2200. Maximum wind velocity 35 m.p.h. from N.N.W. at 1213.

18. Gentle W.S.W. breeze 0152 to 0225 then gentle to fresh squally S. breeze backing S.S.E. after 0630. Shower 0240 to 0300. Half cloudy morning and bright with light showers 0752 to 0757 and 1118 to 1120. Cloudy to overcast after 1200 and gentle to moderate breeze very gradually backing E.S.E. falling to force 1 by 2310. Maximum wind velocity 27 m.p.h. from S.xE. at 0534.

19. Overcast all day and unusual visibility. N'ly airs 0400. Light E.S.E'ly breeze 0318; variable N'ly airs to calm 0500; light E.S.E'ly breeze 0652, variable N.E. airs 1610, light S.S.E. breeze 1845 rapidly backing N'ly after 2000 falling off. Thin intermittent drizzle 1540 to 1910.

20. Early morning overcast, very thin drizzle 0800 to 0815, then fine with variable sky mainly cloudy. Light to gentle E. to E.S.E. winds 1010 falling off after 1600 backing N.E. 2000, increasing force 2/3 2200.

21. Cloudy to overcast early and light showers 0410 to 0525. Light to gentle E'ly wind backing N'ly force 1 0535. Variable winds force 0/2 after 0910, mainly N.E. with occasional gentle to moderate squalls. Intermittent rain from 0940, heavy at times.

22. Intermittent drizzle and rain to 0015. Then cloudy to overcast with showers 0340 to 0350 and 0745 to 0805. Light N.E. winds with fresh squall at 0755. Gentle N.E. breeze after 0900 with frequent moderate to fresh squalls, boxing compass 1900 to 2145, falling off 2040. Showers 1020 to 1245 and 1945 to 2025. Bright intervals during the day. Lightning 1930 to 2025. Lunar corona 2045. Maximum wind velocity 23 m.p.h. from W.S.W. at 1948.

23. Early morning half to three-quarter cloudy. Threatening to S.W. 0800. Mainly overcast all day and night. Intermittent drizzle and thin drizzle 0915 to 1840. Intermittent drizzle and rain 2010 to 2340. Gentle to moderate S.E. breeze 0830 with occasional fresh to strong gusts, backing N.E'ly 1842 force 2 with moderate to fresh gusts 2003 to 2103. Maximum wind velocity 26 m.p.h. from E.S.E. at 1306.

24. Early morning fine, half cloudy and bright, becoming cloudy to overcast 0845. N.E'ly winds force 1/2, increasing force 3, veering E'ly 1000, falling off after 1600 backing N.N.E. Light showers 0845 to 0920 and 2042 to 2045. Sky gradually cleared after 1500.

25. Early morning fine, clear sky and N.N.E. airs, gradually increasing force 2/4 from N.N.E. to N.E. falling off after 1500. Half to quarter cloudy all day and night. Pretty sunset. Dew about 1900.

26. Fine and clear all day. N.E. to N'ly airs to calm early, backing S.S.W. to E.S.E. variable 1120 force 1/3. Calm 2000.

27. Early morning fine, clear sky and calm, becoming overcast about 0600. Drizzle 0725 to 0820. Light to moderate S.W. squall 0730 to 0820, then light breeze backing S.S.E. increasing force 3/4 1116 with occasional fresh squalls, varying between S.E. and S.S.W. after 1730. Rain 1048 to 1058. Intermittent drizzle and thin drizzle 1320 to 1700. Maximum wind velocity 26 m.p.h. from S.S.E. at 1325.

28. Gentle to fresh squally S.S.E. to E.S.E. winds all day and fine but overcast. Showers in sight to N.W. occasionally.

29. Overcast early. Drizzle 0400 to 0415. Wind fell to force 1/3 0118 becoming variable. Gentle E.S.E. breeze 0720, cloudy and unusual visibility. Occasional moderate to fresh squalls during the day with wind backing and falling off at times. Bright intervals. Showers 1200 to 1205 and 1755 to 1810. Rainbow 1632. Cloudy night.

30. Cloudy early with showers 0320 to 0850. Squally winds force 1/4 E. to N., veering E.S.E'ly 0900, becoming variable N.E. to S.S.E. 1800. Bright intervals during the day and unusual visibility. Cloudy to overcast and showery from 1750. Maximum wind velocity 24 m.p.h. from E.S.E. at 1102.

31. Squally E. winds force 2/5, backing N.E. 0512 falling to force 2, cloudy to overcast and showery to 0900, then mainly fine and bright, showers in sight to N.W. Wind increased force 2/5 squally from E. 0900 gradually falling off after 1600 backing E.N.E. Maximum wind velocity 28 m.p.h. from E.xN. at 1059.

ADDITIONAL NOTES.

A wet and rather miserable month. Although rainfall was 0·51″ below normal, the weather was mainly cloudy with intermittent drizzle and rain. There were 27 days with rain.

Fresh trade winds blew occasionally during the month being quite boisterous at times.

Mean pressure at 8 a.m. was 0·012″ above normal and mean temperature 0·5° above normal.

A fast moving depression passed close to South on 17th moving Eastwards.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

AUGUST, 1937.

AUGUST.

Attached thermometer and barometer as read in inches. I	Attached thermometer and barometer as read in inches. II			Air Pressure at Mean Sea Level in the Units of Measurement. I	Air Pressure II	Temperature (degrees F.) In Screen. Dry. I	Wet. I	Dry. II	Wet. II	Maximum.	Minimum.	In Open. Grass Min. Eve to Morn.	Max. in Sun. Black Bulb in vacuo.	In Ground 1 foot.	4 feet.	Humidity. Dew Point. I	Dew Point. II	Vapour Pressure. I	Vapour Pressure. II	Per-centage. I	Per-centage. II	Wind Direction and Force (Beaufort Scale). I		II	
						Tenths.				Whole Degrees.				Tenths.											
(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
°	"	°	"	"	"	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.			Dir.	F	Dir.	F
74	30·164	76	30·100	29·990	29·921	73·0	68·4	78·0	71·0	79	67	62	137	74·0	76·3	66	67	21·8	22·8	78	70	N.N.E.	1	E.XS.	4
74	30·136	77	30·078	29·962	29·896	73·0	70·2	76·4	74·6	80	68	63	133	74·0	76·2	68	73	23·7	27·8	86	92	N.E.	1	E.XS.	4
75	30·156	78	30·114	29·979	29·929	74·2	72·6	80·4	73·6	81	72	69	141	74·3	76·1	72	69	26·6	24·6	92	71	N.E.	1	E.N.E.	3
77	30·182	81	30·151	30·000	29·958	77·0	75·0	82·8	74·8	83	73	69	139	74·9	76·3	74	71	28·8	26·1	91	67	N.N.E.	2	N.E.	3
78	30·214	80	30·148	30·029	29·958	76·4	74·4	83·0	76·2	84	73	67	139	75·5	76·7	73	73	27·8	27·5	91	72	Calm	0	E.XS.	3
77	30·167	80	30·119	29·985	29·929	74·4	72·0	81·5	73·9	82	70	64	139	76·0	77·0	70	71	25·2	25·8	88	69	N.E.	1	E.XS.	3
75	30·161	79	30·127	29·984	29·939	71·8	69·9	80·0	73·8	81	69	65	137	76·1	77·0	69	71	24·2	26·0	90	74	Calm	0	E.S.E.	3
75	30·202	77	30·156	30·025	29·974	73·6	69·8	77·8	71·6	79	71	69	140	76·2	77·0	68	69	23·3	24·1	82	73	E.XS.	3	E.XS.	3
75	30·188	75	30·120	30·011	29·943	71·4	70·0	74·2	72·0	76	70	67	132	76·0	77·4	69	71	24·0	25·9	93	89	E.XS.	2	E.XS.	2
72	30·085	73	30·016	29·917	29·846	70·0	69·0	70·6	69·0	73	69	68	117	75·3	75·4	69	69	23·8	24·0	95	92	E.S.E.	4	N.E.XE.	2
72	29·944	74	29·883	29·776	29·710	70·0	69·8	71·6	69·4	74	69	68	121	74·3	75·5	70	69	24·8	23·9	99	89	S.E.XS.	2	S.XE.	3
72	29·988	74	29·972	29·820	29·798	70·4	65·8	71·2	65·6	73	66	65	135	74·1	75·3	63	62	19·8	19·0	77	73	S.S.E.	4	S.S.E.	4
72	30·084	74	30·071	29·916	29·897	70·8	65·0	74·6	66·4	76	65	62	142	73·5	75·0	61	62	18·4	18·6	72	63	S.S.E.	4	S.E.XS.	3
72	30·122	72	30·072	29·954	29·904	70·4	66·0	72·2	64·2	72	63	59	108	73·8	75·2	63	59	19·5	16·8	78	63	E.S.E.	2	E.S.E.	3
71	30·144	73	30·080	29·979	29·910	70·2	64·0	76·2	65·4	77	66	62	138	72·8	75·1	60	58	17·5	16·4	70	54	E.XS.	2	E.XS.	3
72	30·160	77	30·116	29·992	29·934	71·1	66·9	78·2	69·0	80	63	57	146	73·0	75·0	65	64	20·6	20·0	79	61	N.N.E.	1	N.E.	4
74	30·169	76	30·113	29·995	29·934	73·0	71·0	76·2	73·8	77	71	66	97	73·3	75·0	70	72	25·0	27·2	90	89	N.N.E.	1	N.N.E.	2
75	30·180	76	30·118	30·003	29·939	73·0	71·0	75·0	72·2	77	71	69	112	74·0	75·2	70	71	25·0	25·5	90	87	N.XE.	1	S.E.XS.	3
73	30·170	75	30·120	30·000	29·943	71·4	70·0	75·0	70·0	76	70	69	123	74·0	75·0	69	67	24·3	22·8	93	77	N.	1	S.E.XE.	2
74	30·135	71	30·132	29·961	29·967	74·0	73·4	68·0	66·6	74	67	70	85	74·1	75·3	73	66	28·0	21·5	97	93	E.XN.	2	S.E.XE.	4
71	30·173	74	30·112	30·008	29·938	71·0	70·0	74·0	72·6	76	67	66	123	73·0	75·1	69	72	24·6	26·6	95	93	N.E.XN.	2	E.XN.	3
74	30·193	76	30·156	30·019	29·977	74·8	71·4	80·6	73·6	81	72	68	144	73·6	75·2	70	71	24·8	25·6	84	70	E.XN.	3	E.	3
75	30·182	77	30·136	30·005	29·954	74·4	69·2	79·4	69·8	80	67	63	141	74·2	75·4	66	64	22·0	20·4	76	60	N.E.	1	E.XS.	3
75	30·110	76	30·085	29·933	29·906	73·4	69·4	76·0	69·4	77	69	64	125	74·5	75·6	67	66	22·4	21·7	81	71	N.E.XN.	1	E.XS.	3
73	30·084	78	30·022	29·914	29·837	71·0	68·4	81·2	73·8	82	66	61	146	74·0	75·7	67	70	22·7	24·9	87	70	N.	1	E.	3
78	30·084	80	30·025	29·899	29·835	76·1	73·1	85·3	75·3	85	71	65	146	75·0	75·7	72	70	26·4	25·2	86	62	N.XE.	2	N.E.	2
78	30·142	82	30·080	29·957	29·883	77·8	75·4	85·0	76·8	85	73	67	146	76·0	76·0	74	73	29·0	28·1	89	67	N.XE.	1	N.E.XN.	4
79	30·140	81	30·062	29·952	29·869	78·8	76·0	81·2	76·0	83	75	73	140	76·8	76·2	75	74	29·3	28·4	87	78	N.E.	3	N.E.XN.	4
79	30·110	77	30·070	29·922	29·888	76·2	75·2	74·2	73·2	77	74	72	95	77·0	76·4	75	72	29·2	27·3	95	95	N.N.E.	2	N.E.XE.	2
77	30·040	80	29·979	29·858	29·789	76·8	73·2	83·4	76·0	83	73	69	149	76·2	76·5	72	72	26·6	26·8	83	70	W.N.W.	2	S.E.	2
76	30·042	75	30·016	29·863	29·839	73·2	72·4	74·8	70·6	75	73	70	101	77·2	76·6	71	69	26·4	24·1	96	80	S.W.XW.	4	S.S.W.	4
2314	934·051	2374	932·549	928·608	926·944	2272·6	2187·9	2398·0	2220·2	2438	2153	2048	4017	2316·7	2351·4	2140	2127	755·5	745·0	2690	2334	...	..	...	..
74·6	30·131	76·6	30·082	29·955	29·901	73·3	70·6	77·4	71·6	78·6	69·5	66·1	129·6	74·7	76·1	69·0	68·6	24·4	24·0	86·8	75·3	...	..	...	..

Temperature—
- Daily Range: (Mean Max.—Mean Min.)—9·1°.
- Greatest Range—17° on 16th.
- Least Range—2° on 31st.
- Mid Temperature: ½ [Max. + Min.]—74·0°.
- Highest Maximum—85° on 26th and 27th.
- Lowest Minimum—63° on 16th.
- Lowest Maximum—72° on 14th.
- Highest Minimum—75° on 28th.
- Lowest Grass Minimum—59° on 16th.

Humidity—
- Greatest Humidity—99 per cent. on 11th at 8 a.m.
- Least Humidity—54 per cent. on 15th at 2 p.m.

Air pressure—
- Highest Value at M.S.L.—30·029″ on 5th at 8 a.m.
- Lowest Value at M.S.L.—29·710″ on 11th at 2 p.m.

No. of Days of—
- Rain—23.
- Hail—0.
- Thunderstorms—0.
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—11·46″ or 291·08 mm.
- Average for 53 years—8·15″.
- Difference from normal—+3·31.
- Greatest fall in 24 hours—2·71″ or 68·83 mm. on 9th.
- Total since 1st January—81·67″.

VISIBILITY SUMMARY—No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	2	0	3	1	1	12	10	2
2 p.m.	0	0	0	0	0	0	1	2	0	4	0	8	14	2

Standard Distance of Objects used for Estimate of Visibility:—X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18⅔ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	3	7	13	8
2 p.m.	0	4	9	8	10

AUGUST.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters). Before Observation.	At time of Observation.	Between Observation hours.	At time of Observation.	After Observation.	Visibility.		Cloud. Amount (0–10).		Cloud. Form.		Cloud. Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	State of ground.		Sunshine (hours and tenths)
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II	
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)
															"	"			
158·4	6·6	b,bc	bc	bc	bc	bc,cp,b	L	L	5	6	a-cu3/cu/cu-nb2	a-cu4/cu2	WNW/E	WNW/E	..	0·01	0	0	7·2
160·8	6·7	bc,cp	c	cp,bc	cjp	orp,c,b	L	K	7	7	a-cu2/cu-nb5	cu-nb	NW/ENE	E.N.E.	0·02	0·21	0	0	2·8
136·8	5·7	opq	o	o,cp	c	bc,b	K	K	9	8	st-cu4/nb5	cu-nb	W/ENE	N.E.	0·01	..	1	1	3·1
129·6	5·4	bc,c	c	bc,c	bc	bc,bw	K	L	7	5	ci2/cu5	ci-st3/cu/cu-nb2	W/NEXN	WNW/NE	Trace	Trace	1	0	5·6
127·2	5·3	b,bc	bc	bc,b	b	bc,bw	K	K	4	3	ci1/cu3	ci1/cu2	?/E.N.E.	WNW/ENE	..	..	0	0	9·1
124·8	5·2	b,bc	bc	bc	bc	bc,bw	K	K	4	6	ci3/cu1	ci4/cu2	?/ENE	WNW/E	..	..	0	0	8·1
237·6	9·9	bc,c	c	bc,c	c	cop	L	L	7	8	ci4/cu/cu-nb3	ci-st1/cu-nb7	WNW/ESE	?/SE	..	0·12	0	0	4·5
268·8	11·2	op	o	opc,bc	c	bc,cop	K	K	9	8	nb/st	cu-nb	E.S.E.	E.S.E.	0·02	0·13	1	1	2·7
213·6	8·9	oidr	oor	oidr,c	oir	oir,rr	F	I	10	10	st	cu-nb/st	E.S.E.	E.S.E.	0·19	2·52	1	2	0·2
192·0	8·0	orrr	orr	oidq	oid	oid,rrr	H	I	10	10	st	st	E.S.E.	EXS	0·03	2·12	2	2	0·0
374·4	15·6	orr	orr	orr,id	oid	oid,cp,bcq	F	I	10	10	st	st	S.E.	SXE	0·06	0·27	2	2	0·0
331·2	13·8	cp,bcq,bc	cp	cpp,bc	bcp	c,bc,b,p	K	L	7	6	cu-nb	cu-nb	S.S.E.	S.	0·07	0·10	2	2	7·9
182·4	7·6	cp,bc	cjp	c,bc	bc	bc,b	K	L	8	4	cu-nb	frcu/cu	S.E.	S.E.	Trace	..	2	1	6·8
151·2	6·3	b,bc	bc	c,o,p	cjp	c,bc,op	K	L	5	8	ci/cu-nb	cu/nb	E/ESE	S.E.	0·23	0·01	1	1	0·6
146·4	6·1	op,v	ov	cv,bc,b	bv,y	bw,bc	M	M	9	1	cu-nb/nb	frcu	E.	E.	Trace	..	2	1	8·0
139·2	5·8	bc,b	b	b,bc	bc	bc	L	L	1	6	a-culent/cu	a-cu/cu	N.E.	W/ENE	..	Trace	1	0	9·3
91·2	3·8	c,o	o	oid	oid	oid	K	K	10	10	a-st	a-st/nb	N.W.	?/NNE	0·01	0·01	0	1	0·0
122·4	5·1	o	o	oo,d	od	oidr	K	G	9	10	st-cu	nb/st	WNW	S.E.	Trace	0·71	1	1	0·1
127·2	5·3	oidr	o	oid	oid	oidd	L	L	10	10	nb	nb	S.E.	S.E.	Trace	0·16	2	1	0·1
192·0	8·0	oidr	oir	orrrr	orr	oidr	H	F	10	10	nb/st	st	E.S.E.	S.E.	2·10	0·55	2	2	0·0
158·4	6·6	op	op	op,c	op	op,c,b,o	J	G	9	10	nb/st	nb/st	E.N.E.	E.N.E.	0·02	0·09	2	2	0·4
172·8	7·2	op,c	c	c,bc	bc	cp,bc,b	L	L	8	4	st-cu/cu-nb	cu-nb	NE/E	E.	..	0·01	2	1	8·1
175·2	7·3	bc,b	b	b,bc	bc	bc,bw	L	L	2	6	ci-cu	ci/cu	N.E.	WXN/E	..	..	1	0	9·4
153·6	6·4	b,bc	bc	bc,c,o	ojp	o,c	L	L	4	9	ci/cu	cu/nb/st	W/NE	E.S.E.	Trace	..	0	0	1·0
115·2	4·8	o,c	c	o,c,bc	c	c,op	L	L	8	7	a-cu	ci/st-cu/cu-nb	W	W/W/NE	..	0·02	0	0	6·4
122·4	5·1	cp,bc,b	b	bc,b	b	b,bcp	L	L	2	3	st-cu	cu	N.E.	N.E.	..	0·02	0	0	9·3
204·8	8·5	bc,cp	bc	bc	bc	bc,cpo	K	K	5	6	cu/cu-nb	a-cu/cu/cu-nb	N.E.	W/NE	..	0·58	0	0	7·1
228·0	9·5	cpp,bc	c	c,bc,o	o	o,c,bc	K	K	8	9	a-cu/cu-nb	st-cu/cu/cu-nb	WNW/NE	WNW/NEXN	..	0·01	1	0	1·4
115·2	4·8	bc,cp	od	odrrr	orr	orr,id,c	I	I	10	10	a-st/st	a-st/st	WNW/N	?/NE	0·84	0·12	0	2	0·0
136·8	5·7	c,bc	bc	bc,c,b	b	bc,cq,o	M	M	6	3	a-cu-lent	st-cu/cu-nb	WXN	WNW/W	..	0·03	1	1	6·0
288·0	12·0	o,d	od	oddq	o	o,c	H	L	10	10	st	cu-nb/st	S.W.	S.S.W.	0·06	..	1	1	0·0
5477·6	228·2	....	...	....	...	....	..	..	223	223	....	....	....	....	3·66	7·80	..	..	127
176·7	7·4	....	...	....	...	....	..	..	7·2	7·2	....	....	....	....	..	..	..	..	4·

WIND SUMMARY—No. OF OBSERVATION OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	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.
8 a.m.	0	4	25	2	0	5	5	7	0	5	2	1	2	0	0	1	0	0	1	0
2 p.m.	0	8	23	0	0	0	1	7	1	12	2	5	1	1	1	0	0	0	0	0
Total	0	12	48	2	0	5	6	14	1	17	4	6	3	1	1	1	0	0	1	0

Prevailing Direction, E.; 8h. N.E.; 14h., E.; maximum velocity, 38 m.p.h. from SE. xE. at 0956 on 20th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

AUGUST, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	3·4	9·4	17	3·7	14·0
2	4·1	8·7	18	3·1	11·0
3	3·7	14·5	19	4·1	13·6
4	3·4	12·5	20	3·9	14·0
5	3·4	9·6	21	4·5	15·4
6	3·1	10·5	22	6·3	16·5
7	3·5	11·0	23	3·8	10·7
8	5·0	15·4	24	4·3	13·2
9	4·2	4·9	25	11·0	16·0
10	4·8	11·7	26	4·1	10·7
11	4·5	17·8	27	4·3	14·5
12	3·5	10·0	28	5·5	13·2
13	4·0	13·6	29	..	...
14	3·7	10·5	30	..	...
15	5·9	10·3	31	..	...
16	2·8	8·9	..	..	...
Totals	..	...	..	121·6	342·1
Means	..	...	..	4·3	12·2

WEATHER DIARY—AUGUST, 1937.

Date.

1. Light to gentle E'ly winds at first, N'ly airs to calm 0150. Fine, bright and half cloudy. Rainbow 0804. Wind increased force 3/4 0830 from E., with occasional fresh gusts, gradually falling off after 1600, backing N.E. and N'ly. Cloudy and light showers 1958 to 2005, then clear sky. Maximum wind velocity 24 m.p.h. from E. at 0947.
2. Early morning cloudy; light shower at 0700. N.E. airs to calm, increasing force 3/4 0920, veering E. Showry with bright intervals from 1115. Heavy shower 1440 to 1500. Light to gentle winds after 1430, backing N.E. Pretty sunset.
3. Early morning overcast with light showers to 0715. Moderate N.E. squall at 0001, then N.E'ly winds force 1/3, falling off 1700 backing N.N.E. Light showers at 1112 and 1238, then half to quarter cloudy.
4. N.E. to N.N.E. winds force 1/2 early, fine and cloudy. Half to three-quarter cloudy during the day and at night. Trace of rain at 1110. Light to gentle N.E'ly winds falling off after 1700. Heavy dew at night.
5. N'ly airs to calm early, fine and half to quarter cloudy all day and night. Wind gradually increased force 2/3 veering E'ly 1018 gradually falling off after 1600 backing N.E. and N.N.E. Dew at night.
6. N'ly airs to calm early and ¼ to ½ cloudy all day and night, mainly clear sky at night and dew. Light to gentle E.xS. breeze 0942, gradually falling off after 1700, backing N'ly 2300. Solar halo 1400.
7. Early morning fine, calm and half to three-quarter cloudy. Light to gentle E.S.E. breeze 0922, increasing force 3/4 1655. Cloudy to overcast after 1500 and shower 1708 to 1738.
8. Early morning overcast and gentle to moverate E.S.E. breeze with occasional fresh gusts all day. Showers 0540 to 0740 and 0940 to 1015, then bright intervals. Overcast afternoon and night. Light showers at 0710 and 2204.
9. Overcast all day and light to gentle E.xS. breeze with frequent moderate gusts. Intermittent drizzle and rain from 0240 and poor visibility. Moderate continuous rain from 1800.
10. Overcast and continuous moderate rain to 0810, heavy at times, then cloudy to overcast with intermittent drizzle to 1800. Variable airs to calm 0100. Light to moderate E.S.E. breeze 0400 increasing force 4/5 0622 with strong gusts, moderating 0750, backing E. 0920; gusty and squally to 1340, then backing N.E. falling off, gradually backing W'ly 2100 and to E.S.E. 2320 increasing. Continuous moderate rain from 1800 with heavy rain 2140 to 2400. Poor visibility during the day. Maximum wind velocity 31 m.p.h. from E.S.E. at 0748.
11. Early morning overcast, poor visibility and continuous moderate rain to 0915. Moderate E.S.E. breeze at first, falling to force 2 after 0140, veering S.S.E. and to S. force 3/4, veering S.W. to W'ly after 1600 force with occasional fresh to strong squalls. Intermittent drizzle to 1410. Sky began to clear 1630. Showers from 1940. Maximum wind velocity 26 m.p.h. from W.xS. at 1950.
12. Early morning half to three-quarter cloudy with light to heavy showers to 1405. Wind increased force 4/6 0104 with squalls force 7 backing S'ly, moderating 0700. S. to S.S.E. breeze 0640. Rainbow 0705 to 0845. Frequent fresh to strong gusts and squalls during the day. Fine and clear sky during afternoon and evening. Showers from 2248. Maximum wind velocity 37 m.p.h. from S. by E. at 0649.
13. Early morning half to 3/4 cloudy and showery to 0300. Gentle to moderate S.E. to S.S.E. winds. Rainbow 0812. Half to quarter cloudy during the day and at night, clear sky at times. Wind gradually fell to force 2 backing N'ly force 1/2 2058.
14. N'ly airs to calm early, fine and half cloudy. Light to gentle E.S.E. breeze 0615, becoming variable 0940 to 1200 with overcast sky and showers. Fresh gust at 1156, then light to gentle E.S.E. breeze, gradually falling off after 1600 backing E., becoming variable 2000. Cloudy night, light showers from 2225.
15. Light to gentle variable winds early with light showers to 0050; cloudy to overcast and unusual visibility. Light E'ly breeze 0725. Sky gradually cleared after 0900 and wind increased force 3, falling off 1655, backing N'ly 1838. Dew at night.
16. Early morning fine, clear sky and N'ly airs to calm, veering N.N.E. 0755, increasing force 3/4, falling off after 1600. Half cloudy during the day and at night.

Date.

17. N.N.E. airs early and overcast sky all day. Wind gradually increased force 2/3 falling off after 1700 backing N'ly. Thin intermittent drizzle 1050 to about 2015.
18. Overcast all day. N'ly airs to calm early, backing S'ly 0942, increasing force 2/3 from S.E'ly 1035, falling off 1740, backing N'ly after 2000. Intermittent drizzle and rain from 1350.
19. Variable airs early. Light S.S.E. breeze 0212, backing N'ly 0430 falling off. Intermittent rain and drizzle to 0300. Very thin intermittent drizzle during the day, increasing to intermittent drizzle 2245. Light to gentle S.S.E. breeze 0922 gradually backing E.S.E. and to N.E'ly after 2255.
20. Light to gentle N.E. winds early, gradually veering E. and S.E'ly, increasing force 5/7 0833, moderating 1135, backing gradually to N'ly after 1800 force 1/3. Overcast with intermittent drizzle and rain and poor visibility, increasing to moderate to heavy rain 0820 to 1400, then intermittent drizzle and rain. Maximum wind velocity 38 m.p.h. from S.E.x E. at 0956.
21. Overcast with intermittent drizzle and rain early, showry 0420 to 1510. Light to gentle variable winds mainly N.E. early, increasing force 3/4, N.E. to E., falling off after 1800. Mainly overcast all day, sky cleared 1830, covering again 2015.
22. Early morning cloudy with showers 0130 to 0150 and 1652 to 1702, otherwise fine and half to quarter cloudy after 0830. Light to gentle N.E. to E. winds early, increasing force 3/4 0832 from E. very gradually falling off after 1600 backing N.E.
23. Variable N.E. airs early, increasing force 3/4 0808, veering E'ly falling off 2025 backing N.E.ly. Half to quarter cloudy all day and night. Dew at night.
24. N'ly airs early and fine and half cloudy, becoming cloudy to overcast 0900 with showers in sight to N. and W. Trace of rain at 1120. Wind increased force 3/4, veering E'ly, gradually falling off after 1915 backing N.E.
25. N'ly airs to calm early, fine, but cloudy to overcast. Variable sky during the day but mainly cloudy. Wind increased force 3/4 1000, gradually veering E. falling off 1700 backing N'ly. Showers 1920 to 1930.
26. Early morning cloudy and N'ly winds force 0/2. Showers 0148 to 0203, then fine and half to quarter cloudy all day and night. Light shower 2318 to 2323. Variable winds 1100 to 1225, then light to gentle E'ly, backing N.E. 1338, falling off 1700.
27. N.E. to N. airs to calm early and half cloudy. Showers 0645 to 0650. Wind increased force 3/4 0840, light to gentle breeze after 1630. Cloudy night, light showers 1935 to 2005.
28. Light to gentle N.E'ly winds early and half to three-quarter cloudy moderate to heavy showers 0105 to 0350, then fine all day with variable sky but mainly cloudy. Moderate N.E. to N.N.E. breeze during the day with occasional fresh gusts, falling to force 2/3 2225. Maximum wind velocity 26 m.p.h. from N.E.x N. at 0918.
29. Early morning overcast but fine and light to gentle N.N.E. winds. Drizzle 0755, increasing to moderate continuous rain, heavy at times, 1000 to 1420, then thin intermittent drizzle to 1620, then fine but cloudy. Wind veered N.E. falling off after 0910, backing W. variable force 1/3 1142, veering N.E'ly 1340, gradually backing N'ly after 1600 increasing force 2/4.
30. Variable N.E. to W.N.W. winds force 1/3 early, fine and half to three-quarter cloudy. W.S.W. airs 0859 backing S. 1212 and to S.E. variable force 1/3 1240, backing N.E. 1613 falling off. Light S.S.W. breeze 1758, with gentle squall 1850 to 1905. Calm 2050. Cloudy to overcast afternoon and night.
31. Early morning cloudy to overcast and calm, wind increasing force 3/4 from S.W'ly 0535. Drizzle 0725 to 1250 then fine but cloudy to overcast. Wind increased force 4/5 1140 backing S.S.W., gradually falling to force 2/3 1500 varying between W.S.W. and S.S.W. Maximum wind velocity 27 m.p.h. from S.S.W. at 1157.

ADDITIONAL NOTES.

A fairly wet month, rainfall being 3·31″ above normal. The first week was mainly fine and bright, also 15th to 16th and 22nd to 28th. Mean pressure at 8 a.m. was 0·040″ below normal and mean temperature 0·4° above normal.

A depression developed N.E. of the Group on 10th and moved S.E. passing close to Nukulofa on 12th, where the barometer fell to 29·47″ and the wind reached force 7.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

SEPTEMBER, 1937.

SEPTEMBER.

Day.	Attached thermometer and barometer as read in inches. I (1)	I (2)	II (3)	II (4)	Air Pressure at Mean Sea Level in the Units of Measurement. I (5)	II (6)	Temperature (degrees F.) In Screen. I Dry. (7)	I Wet. (8)	II Dry. (9)	II Wet. (10)	Maximum. (11)	Minimum. (12)	In Open. Grass Min. Eve to Morn. (13)	Max. in Sun. Black Bulb in vacuo. (14)	In Ground. 1 foot. (15)	4 feet. (16)	Humidity. Dew Point. I (17)	Dew Point. II (18)	Vapour Pressure. I (19)	Vapour Pressure. II (20)	Percentage. I (21)	Percentage. II (22)	Wind Direction and Force (Beaufort Scale) I (23)	I (24)	II (25)
	I		II		I	II	I		II		Tenths.				I										
											Whole Degrees.				Tenths.										
	°	"	°	"	"	"	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.			Dir.	F	Dir.
1	75	30·128	76	30·086	29·951	29·907	73·2	67·4	76·0	67·4	77	72	69	144	76·4	76·6	63	62	19·9	19·2	73	62	W.XS.	3	S.S.W.
2	73	30·192	76	30·150	30·021	29·971	72·6	66·8	75·4	66·0	76	67	63	135	76·0	76·8	63	59	19·9	17·2	72	59	N.	1	S.XW.
3	74	30·200	76	30·139	30·025	29·960	73·6	66·0	76·8	67·0	79	68	62	145	76·1	77·0	62	61	18·9	18·2	65	58	E.S.E.	2	E.S.E.
4	75	30·216	78	30·158	30·038	29·973	74·6	66·2	80·4	69·8	81	72	71	144	76·1	77·1	61	63	18·4	20·0	62	57	E.S.E.	3	E.S.E.
5	76	30·208	78	30·143	30·028	29·958	76·0	67·2	81·0	69·2	81	67	60	149	76·1	77·0	61	62	18·6	18·9	61	53	N.E.	2	E.
6	76	30·158	79	30·110	29·979	29·922	74·2	67·0	80·5	69·3	82	70	67	144	76·1	77·0	63	63	19·5	19·6	67	54	N.N.E.	2	E.N.E.
7	77	30·122	80	30·048	29·940	29·858	74·6	69·8	82·4	74·0	85	68	62	148	76·2	77·0	67	69	22·8	24·4	78	66	Calm	0	N.E.XE
8	75	30·144	74	30·152	29·967	29·978	73·8	72·0	71·0	69·0	74	71	69	110	77·0	77·0	71	68	25·9	23·3	91	90	S.	4	S.S.W.
9	74	30·270	76	30·250	30·095	30·069	74·0	65·0	77·2	67·0	78	69	66	146	75·6	76·7	59	61	17·1	18·2	60	57	S.	4	S.S.E.
10	73	30·284	76	30·221	30·113	30·041	73·0	63·6	76·8	69·0	77	70	67	137	75·6	76·8	57	64	15·8	20·7	57	66	E.S.E.	3	S.E.XS.
11	75	30·272	76	30·208	30·094	30·028	74·8	69·2	76·2	69·2	79	65	59	141	75·4	76·9	66	65	22·2	21·1	74	69	N.E.XE.	2	E.
12	76	30·276	78	30·202	30·095	30·016	76·2	73·0	80·0	75·0	82	73	68	142	75·4	76·9	72	73	26·4	27·4	85	79	N.E.XE.	3	E.XN.
13	77	30·257	79	30·202	30·073	30·013	77·2	74·0	80·0	74·4	82	75	71	144	76·0	76·9	73	72	27·3	26·7	86	76	E.N.E.	3	E.XS.
14	77	30·263	80	30·193	30·079	30·002	77·0	72·6	82·0	74·4	83	74	70	150	76·6	76·8	70	71	25·3	25·8	80	69	E.XN.	3	E.
15	77	30·195	80	30·100	30·012	29·910	75·2	69·8	81·2	72·6	83	70	65	154	77·0	76·8	66	68	22·2	23·5	76	65	N.E.	2	E.XS.
16	76	30·154	77	30·090	29·965	29·908	74·2	72·2	75·2	71·4	76	72	68	122	77·2	76·8	71	69	25·9	24·1	90	83	SW.XW.	4	S.XW.
17	74	30·184	75	30·156	30·010	29·979	73·2	66·2	75·0	67·2	76	71	68	124	76·8	77·0	62	62	18·7	19·0	68	65	S.E.XS.	4	S.E.XE.
18	73	30·210	73	30·166	30·039	29·995	71·0	67·8	69·8	68·8	72	70	65	90	75·8	77·0	66	69	22·0	23·8	84	95	S.E.	3	S.S.E.
19	72	30·216	73	30·170	30·047	29·999	70·0	67·2	74·0	68·0	74	68	66	110	75·0	76·8	65	64	21·3	20·7	86	72	S.E.XS.	3	S.E.
20	73	30·223	76	30·185	30·052	30·005	74·0	67·0	79·2	67·4	79	69	64	147	74·4	76·8	63	59	19·5	17·3	68	52	E.S.E.	3	S.E.
21	72	30·220	76	30·159	30·051	29·979	73·0	63·2	78·2	65·4	79	64	55	149	75·0	76·7	56	56	15·2	15·3	55	47	E.S.E.	4	E.
22	74	30·200	77	30·140	30·025	29·958	74·2	64·0	79·2	66·8	80	68	64	147	75·2	76·0	57	58	15·9	16·7	55	50	E.	2	E.XS.
23	73	30·152	78	30·095	29·982	29·910	72·0	67·8	81·4	70·4	83	66	57	148	75·1	76·0	66	64	21·6	20·2	79	56	Calm	0	E.S.E.
24	74	30·138	78	30·102	29·964	29·917	74·6	68·2	80·6	71·2	82	66	61	131	75·5	76·1	65	66	20·9	22·1	71	61	N.XE.	1	S.E'ly
25	74	30·166	75	30·089	29·992	29·912	70·0	69·4	75·2	70·4	76	68	67	116	74·4	74·2	69	67	24·4	22·8	97	78	E.S.E.	2	E.S.E.
26	74	30·142	75	30·094	29·968	29·917	70·4	69·0	74·2	67·0	74	69	67	124	75·8	76·0	68	63	23·1	19·5	93	67	S.XW.	2	S.S.W.
27	74	30·166	76	30·115	29·992	29·936	73·2	66·2	77·0	68·4	78	70	65	141	75·2	75·9	62	64	18·7	20·0	68	62	S.E.XS.	2	E.S.E.
28	74	30·192	76	30·158	30·017	29·978	72·4	69·8	76·0	72·2	78	68	66	118	75·2	76·0	68	70	23·5	25·0	87	83	Calm	0	E.S.E.
29	75	30·218	73	30·219	30·040	30·048	74·8	72·4	69·2	67·2	75	66	70	90	75·1	75·9	71	66	26·2	21·7	88	90	E.	3	W.
30	72	30·302	73	30·270	30·133	30·099	70·6	69·8	73·0	69·4	75	69	67	92	74·7	75·6	69	68	24·6	23·1	96	82	E.N.E.	3	E.XS.
Tls.	2234	906·068	2293	904·570	900·787	899·146	2207·6	2049·8	2314·1	2084·5	2356	2076	1959	3982	2272·0	2296·1	1952	1946	641·7	635·5	2272	2023	...	..	...
Mns	74·5	30·202	76·4	30·152	30·026	29·972	73·6	68·3	77·1	69·5	78·5	69·2	65·3	123·7	75·7	76·5	65·1	64·9	21·4	21·2	75·7	67·4	...	..	...

Temperature—
- Daily Range (Mean Max.—Mean Min.)—9·3°.
- Greatest Range—17° on 23rd.
- Least Range—2° on 18th.
- Mid Temperature: ½ [Max. + Min.]—73·9°.
- Highest Maximum—85° on 7th.
- Lowest Minimum—64° on 21st.
- Lowest Maximum—72° on 18th.
- Highest Minimum—75° on 13th.
- Lowest Grass Minimum—55° on 21st.

Humidity—
- Greatest Humidity—97 per cent. on 25th at 8 a.m.
- Least Humidity—47 per cent. on 21st at 2 p.m.

Air Pressure—
- Highest Value at M.S.L.—30·133″ on 30th at 8 a.m.
- Lowest Value at M.S.L.—29·858″ on 7th at 2 p.m.

No. of Days of—
- Rain—16.
- Hail—0.
- Thunderstorms—0.
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—6·95″ or 176·53 mm.
- Average for 53 years—7·57″.
- Difference from normal, − 0·62″.
- Greatest fall in 24 hours—3·41″ or 86·61mm. on 24th.
- Total since 1st January—88·62″.

VISIBILITY SUMMARY—No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	1	2	2	1	2	5	7	10
2 p.m.	0	0	0	0	0	0	1	0	1	2	2	4	7	13

Standard Distance of Objects used for Estimate of Visibility:—X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18⅔ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	1	5	5	12	7
2 p.m.	0	4	8	12	6

SEPTEMBER.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters). Before Obser'tion.	At time of Obser'tion.	Between Obser'tion hours.	At time of Obser'tion.	After Obser'tion.	Visibility.		Cloud. Amount (0–10).		Cloud. Form.		Cloud. Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	State of ground.		Sunshine (hours and tenths).	Da
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II		
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)	
204·8	8·5	c,bc	bc	c,bc	bc	c,o	L	L	4	6	st-cu	st-cu	W.N.W.	W.N.W.	..	..	1	0	3·7	1
163·2	6·8	bc,b	b	b	by	b,c,o	L	L	1	1	st-cu	st-cu	S.W.	S.S.W.	..	..	0	0	10·4	2
177·6	7·4	o,cv	cv	cv,bc	bcy	c,o	M	M	8	5	st-cu	st-cu	—	N.W.	..	..	0	0	5·6	3
172·8	7·2	o,cv	cv	cv,bc,b	bvy	b,bc	M	M	7	2	st-cu	fr-cu	W.N.W.	E.S.E.	..	..	0	0	8·9	4
160·8	6·7	bc,bv	bv	bv	by	b,bc,c	M	M	1	3	cu	cu	EXN	E.N.E.	..	..	0	0	10·1	5
132·0	5·5	c,bc	bc	bc,b	bcy	bc,bw	L	L	6	6	a-cu	ci-cu/cu	N.E.	NW/NE	..	..	0	0	10·4	6
134·4	5·6	bz	bz	bz,bc	cz	czopp,bc	K	K	1	7	cu	cu/cu-nb	?	N.	..	0·15	0	0	5·8	7
340·8	14·2	c,od	od	odr,d	od	od,c	G	I	10	10	nb/st	nb/st	S.	S.S.W.	0·16	0·01	1	1	0·0	8
225·6	9·4	cp,bc	c	c,bc,b	by	b,bc,c,o	L	M	7	3	ci/ci-cu/cu	fr-cu/cu	WNW/S	S.S.E.	..	..	1	0	9·0	9
124·8	5·2	c,o	oy	c,op	o	c,bc,op	M	K	9	10	st-cu	ci-st/cu-nb	E.	?/E.S.E.	0·01	Trace	0	0	1·7	10
232·8	9·7	c,bc,b	b	bc,cp	c	c,bc	L	L	3	8	st-cu/cu	cu/cu-nb	NE/NE	E.	0·01	0·02	0	0	5·1	11
230·4	9·6	bc,cp	c	c,bc,o	c	c,op	J	L	8	8	cu/cu-nb	cu/cu-nb	E.N.E.	N.E.	..	0·02	0	0	5·7	12
242·4	10·1	c	cz	cz,o	cz	o,c	J	J	8	8	a-cu/cu/cu-nb	cu/cu-nb	ENE/ENE	E.	..	0·02	0	0	0·6	13
184·8	7·7	c,op	o	o,c,bc	bc	bc,c	K	K	9	6	cu-nb	ci/cu	E.	W/E	..	Trace	0	0	8·4	14
141·6	5·9	c,bc	bc	bc,b	bc	b,bc,c,o	L	K	6	4	ci/cu/cu-nd	cu	?/E.N.E.	N.E.	..	Trace	0	0	9·8	15
295·2	12·3	op	o	opq	c	c,op	K	L	9	8	cu-nb/nb	a-cu/cu-nb	S.W.	W/SSW	0·03	0·01	0	0	0·2	16
213·6	8·9	o	o	o	o	oid	M	M	9	9	st-cu/cu	a-st/nb	WNW/SE	?/SSE	..	0·07	0	0	0·2	17
232·8	9·7	od	od	ordd	odd	odd,c	K	F	10	10	nb	st	S.E.	S.S.E.	0·31	0·25	1	1	0·0	18
256·8	10·7	c,oidrq	oirq	oir	ojp	o,c	I	J	9	9	nb/st	cu-nb	S.E.	S.E.	0·18	Trace	1	1	0·0	19
196·8	8·2	c,bc	bc	bc	bcy	bc,b	L	M	4	6	cu	st-cu/cu	E.S.E.	SE/SE	..	..	1	0	9·0	20
177·6	7·4	bc,cv	bcvy	bcv	bcvy	bc,b,c	M	M	6	4	st-cu	st-cu/cu	E.	E/E	..	..	0	0	8·9	21
153·6	6·4	cv,o	ovy	ov,c	cvy	cv,bc,b,o	M	M	9	7	st-cu	st-cu	EXN	N.	..	..	0	0	4·9	22
117·6	4·9	c,bw	b	b,bc,c	cy	bc,c,o,b	M	M	1	7	st-cu	st-cu	?	W.N.W.	..	..	0	0	7·3	23
148·8	6·2	bw	b	b,bcv	bcv	cv,o	M	M	0	5	—	a-cu/cu	—	W/W	..	3·41	0	0	8·7	24
..	..	c,ORRDr	ODr	od	o	c,od	F	M	10	9	st	st-cu/cu-nb	E.S.E.	E.S.E.	0·01	0·05	2	2	0·3	25
340·8	7·1	odrq	odr	odrq,v	ov	ov,c	G	M	10	9	cu-nb	st-cu	E.	?	0·20	..	2	2	0·4	26
..	..	o,cv	cv	cv,o	c	c,od	M	M	8	8	ci-st/st-cu/cu	cu/cu-nb	?/SE	E.S.E.	..	Trace	1	1	0·8	27
292·8	6·1	c,o	o	o,id	oid	oid,rd	K	H	10	10	nb	nb/st	E.	EXS	Trace	0·46	1	1	0·3	28
160·8	6·7	oird,	oid	orqd	o	oid	H	L	10	10	nb/st	nb	E.	E.	1·32	0·16	1	2	0·0	29
254·4	10·6	oid	oid	oid,d	oid	oid,c	H	I	10	10	nb/st	nb/st	E.	EXS	0·07	0·02	2	1	0·0	30
5710·4	224·7	....	...	....	...	....	..	..	203	208	....	....	....	....	2·30	4·65	..	..	136·2	Tot
190·3	8·0	....	...	....	...	....	..	..	6·8	6·9	....	....	....	....	..	..	..	..	4·5	Mea

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	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.
8 a.m.	0	5	22	3	0	2	1	4	2	3	6	4	0	3	0	1	0	1	0	0
2 p.m.	0	12	18	0	0	0	0	1	1	9	6	5	2	2	3	0	0	1	0	0
Total	0	17	40	3	0	2	1	5	3	12	12	9	2	5	3	1	0	2	0	0

Prevailing Direction, E. and E.S.E.; 8h., E.S.E.; 14h., E.; maximum velocity, 34 m.p.h. from E.xS. at 1410 on 30th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

SEPTEMBER, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	4·9	14·9	16	5·5	19·3
2	4·5	11·9	17	6·1	16·2
3	..	...	18	5·3	14·0
4	5·0	16·0	19	7·6	17·8
5	..	...	20	6·1	18·5
6	9·7	18·5	21	5·2	12·8
7	4·0	10·7	22	4·9	12·2
8	9·8	21·0	23	3·7	10·7
9	4·0	8·2	24	4·7	12·2
10	5·2	14·5	25	5·5	14·0
11	5·0	13·2	26	..	...
12	4·5	13·3	27	6·0	16·0
13	4·8	14·5	28	..	...
14	4·9	14·0	29	9·2	21·0
15	8·0	14·5	30	..	...
Totals	..	...	..	144·1	369·9
Means	..	...	..	5·8	14·8

WEATHER DIARY—SEPTEMBER, 1937.

Date.

1. Early morning fine, half cloudy and gentle to moderate S.S.W. breeze, veering W'ly 0700 force 3, backing S.S.W. 0900 and to S'ly 2200 falling to force 2. Variable sky during the day but mainly cloudy, mainly overcast at night.
2. Light to gentle S'ly breeze early and fine and clear sky, veering N'ly after 0212, falling to force 1, backing S'ly after 0810, increasing force 3 from S.S.W. gradually backing S'ly and to S.S.W. after 1600, falling to force 2. Cloudy to overcast night.
3. Variable N'ly airs 0115 to 0500 then light S.E. breeze backing E.S.E. force 3. Fine cloudy and unusual visibility. Variable sky during the day, overcast night.
4. Early morning fine, cloudy, unusual visibility and light to gentle E.S.E. breeze, moderate at times during the day, falling to force 2 from E. 1712. Fine and mainly clear sky all day and night.
5. N.E. to N'ly winds force 1/2 early, increasing force 4 0812 veering E. Fine, clear and unusual visibility. Wind gradually backed N.E. after 1700 falling off. Pretty sunset. Variable sky at night.
6. N.E. winds force 1/2 early. Fine and half to quarter cloudy all day and night. Wind increased force 3/4 varying between E.N.E. and N.N.E. falling off 1700 to N'ly airs to calm. Dew late at night.
7. Early morning fine, clear sky and N'ly airs to calm. Slight haze. Wind increased force 2/3 veering E.N.E'ly 1255, becoming variable 1700. N'ly airs to calm after 2008. Variable sky during afternoon, mainly cloudy. Light to heavy showers 1830 to 1900.
8. N'ly airs to calm early. Wind backed W.S.W. after 0450 force 2/3, and to S. force 4 0640. Overcast and drizzle 0640 increasing to rain and drizzle 0815 to 1040, then very thin drizzle to 1410. Wind veered S.W'ly after 0845, increasing force 5 with frequent strong gusts, veering W.S.W. 1650 moderating, backing S'ly 2130. Maximum wind velocity 29 m.p.h. from S.S.W. at 1348.
9. Gentle to fresh S'ly winds early and overcast. Shower 0020 to 0025. Fine, cloudy and bright later, but sky gradually clearing, becoming cloudy to overcast at night. Wind gradually backed S.E. falling to force 3 after 1610. Pretty sunset. Maximum wind velocity 25 m.p.h. from S.x E. at 0958.
10. Early morning fine but overcast. Light to gentle S.E. winds varying between E.S.E. and S.S.E. moderate at times, falling off after 1800 backing N.E'ly. Mainly cloudy to overcast all day and night. Showers 1115 to 1130 and at 1045. Pretty sunset.
11. N.E'ly winds force 1/2 early, fine and half to quarter cloudy, increasing force 3/5, gusty, 0905, veering E. backing E.N.E. 2105. Variable sky during the day. Showers 1125 to 1135. Maximum wind velocity 28 m.p.h. from E. at 1218.
12. Light to gentle N.E'ly winds early and half to three-quarter cloudy. Showers 0300 to 0312. Wind increased force 4 0820 with frequent fresh gusts, veering E'ly, gradually backing E.N.E. after 1900 falling to force 3 2225. Overcast sky at times. Showers 1955 to 2112. Maximum wind velocity 24 m.p.h. from E.x N. at 1318.
13. Early morning fine but cloudy. Light to gentle E.N.E. breeze with moderate gusts. Moderate E'ly breeze after 0830 with occasional fresh gusts. Mainly overcast all day and night. Slight haze.
14. Gentle to moderate E. to E.N.E. wind early and cloudy to overcast. Showers 0440 to 0450. Gentle to fresh E'ly breeze during the day, gradually falling off after 1700 backing N'ly. Sky gradually cleared to half cloudy after 0930. Half to three-quarter cloudy night.
15. Early morning fine, half cloudy and light N.E'ly winds, increasing force 2/4 0820, varying between E.x S. and N.N.E. falling off 1800. Half to quarter cloudy all day, becoming overcast about 2200.
16. N.N.E. airs to calm early, and overcast, very light showers 0520 to 0525. Wind barked S.W. 0730 increasing force 3/5, squally after 0920 veering W.S.W. 1018, rapidly backing S'ly 1050. Gentle to moderate breeze after 1315. Light showers 0958 to 1305 and 2030 to 2037. Cloudy to overcast afternoon and night. Maximum wind velocity 24 m.p.h. from S.W.x W. at 0959.
17. Gentle to moderate gusty S.S.E. breeze (backing S.E.) early and fine but overcast all day. Intermittent drizzle 1850 to 2030. Wind varying between E. and S. after 1820. Maximum wind velocity 27 m.p.h. from S.S.E. at 0112.
18. Early morning overcast and gentle to moderate S.E'ly winds. Drizzle 0735 to 0810. Light to moderate gusty winds after 1025. Rain 0945 to 1100 then drizzle to 1605, then cloudy to overcast and wind increased force 3/5. Drizzle 2225 to 2235. Maximum wind velocity 28 m.p.h. from S.E. at 2234.
19. Gentle to moderate S.E'ly winds all day with frequent fresh gusts or squalls, and mainly overcast. Intermittent rain 0015 to 1300. Maximum wind velocity 25 m.p.h. from S.E. at 1240.
20. Early morning fine, half cloudy and gentle to moderate gusty E.S.E. to S.E. breeze, gradually falling to force 3 after 1600. Half to quarter cloudy night.
21. Light to gentle E.S.E. winds at first, backing N.E. to N'ly 0215, increasing force 3/4 from E.S.E. to E. 0725. Fine, half to three-quarter cloudy and unusual visibility. Half to quarter cloudy during the day and at night, wind falling off 2200, backing N.E. 2215.
22. Light N'ly winds early and overcast with st-cu, and unusual visibility. Light, E'ly breeze 0725, increasing force 2/4, gradually backing N.N.E. after 1535 falling off. Variable sky during the day, clear during evening becoming overcast about 2230.
23. Light N'ly winds to calm early, dew on grass, fine and clear sky. S'ly airs 0850, gradually increasing force 2/3 backing E.S.E. gradually falling off after 1600 backing N'ly. Variable sky during the day and at night.
24. Dew early, fine, cloudless and N'ly airs. Half cloudy during the day and unusual visibility. Cloudy to overcast afternoon and night. Light S.S.W. breeze 0915, backing S.E'ly force 2/3, gradually falling off after 1500, increasing force 2, 2210.
25. Light to gentle S.E'ly breeze early, rapidly backing N.W'ly force 2/3 0222, falling off 0400, becoming variable 0500. Light E.S.E'ly breeze 0720. Heavy rain 0320 (with rapid veer of wind to S. for 10 minutes) to 0700 then thick drizzle and rain to 0840, overcast all day. Trace rain 1120, drizzle 1918 to 1930. Wind backed N.E'ly after 0840, veering E. to E.S.E. 1025 increasing force 3, falling to force 2 1340, backing N.W. variable force 1 after 1800.
26. Overcast all day. N.N.W. airs early. Light to gentle W'ly breeze 0240, backing S.S.W. to S. 0512 for 2/5, squally. Drizzle and rain 0630 to 1100. Gentle S.S.W. breeze after 1145, falling off backing S'ly 1818, increasing force 2/3 2015. Unusual visibility during afternoon.
27. Early morning fine, unusual visibility, cloudy to overcast all day and night. Gentle S'ly breeze early, falling to force 2 0400, gradually backing S.E. and to E.S.E. foree 2/3, falling off 2022 backing N'ly. Trace rain 2020.
28. N'ly airs to calm early. Overcast all day and night. Light S.S.W. breeze 0933, backing E.S.E. 1040, increasing force 3/4, falling to force 2 from E.N.E'ly 2140. Very thin intermittent drizzle 1330, increasing to drizzle and rain 1700.
29. Overcast all day, intermittent drizzle and rain to 0335 then very thin drizzle. E.N.E. to N.E. winds force 1/2 at first, increasing force 3/4 from E'ly 0548, veering rapidly to S.S.W. 0945 force 4/6, falling off 1047 veering W'ly. backing S. after 1345 force 2 and to N.E. to N. airs 1808. Heavy rain and poor visibility 0955 to 1105, moderate rain to 1130, then intermittent drizzle to 1710 and from 2340. Maximum wind velocity 29 m.p.h. from S.S.W. at 1038.
30. N'ly airs early, overcast all day. Light to moderate N.E. to E. winds 0125. Intermittent drizzle to 1230, then very thin intermittent drizzle. Wind increased force 4/5 from E. 0940 with frequent strong gusts moderating 2315. Maximum wind vecolity 34 m.p.h. from E.x S. at 1410.

ADDITIONAL NOTES.

Generally fine, bright and cool, particularly during the first week and from 20th to 24th when a fairly wet spell set in lasting until 30th.

Mean pressure at 8 a.m. was 0·034″ above normal; mean temperature 0·6° below normal and rainfall 0·62″ below normal.

On 25th during heavy rain 1·43″ fell between 3.20 a.m. and 4 a.m.

During S'ly rain squall on 29th temperature fell 75° to 66°, 9.30 a.m. to 11.30 a.m.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

OCTOBER, 1937.

OCTOBER.

Day.	Attached thermometer and barometer as read in inches. I (1)	I (2)	II (3)	II (4)	Air Pressure at Mean Sea Level in the Units of Measurement. I (5)	II (6)	Temperature (degrees F.) In Screen. I Dry. (7)	I Wet. (8)	II Dry. (9)	II Wet. (10)	Maximum. (11)	Minimum. (12)	In Open. Grass Min. Eye to Morn. (13)	Max. in Sun. Black Bulb in vacuo. (14)	In Ground. I 1 foot. (15)	I 4 feet. (16)	Humidity. Dew Point. I (17)	Dew Point. II (18)	Vapour Pressure. I (19)	Vapour Pressure. II (20)	Per-centage. I (21)	Per-centage. II (22)	Wind Direction and Force (Beaufort Scale). I (23)	I (24)	II (25)
							Tenths.				Whole Degrees.				Tenths.										
	°	"	°	"	"	"	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.			Dir.	F	Dir.
1	73	30·308	76	30·247	30·137	30·066	74·2	65·2	78·0	67·0	79	68	65	129	74·2	75·8	59	60	17·1	17·7	60	54	E.	4	E.
2	74	30·250	76	30·192	30·075	30·012	73·8	70·0	77·2	69·4	78	69	64	137	74·3	75·6	68	64	23·3	20·7	82	66	E.	3	E.XS.
3	75	30·228	75	30·159	30·050	29·982	74·2	70·4	75·8	73·0	76	72	67	122	74·3	75·4	68	72	23·3	26·4	82	87	E.XS.	3	E.XS.
4	75	30·198	76	30·111	30·020	29·932	74·6	73·8	75·4	74·4	79	72	71	98	74·6	75·6	74	74	28·2	28·2	96	95	E.N.E.	2	E.XN.
5	78	30·124	81	30·059	29·939	29·866	78·8	76·6	81·2	76·0	86	75	72	141	75·0	75·6	76	74	30·8	28·4	90	78	N.E.XE.	2	N.E.XE.
6	77	30·130	80	30·080	29·948	29·890	76·0	73·8	82·4	77·2	84	72	67	137	75·9	75·7	73	75	27·8	29·5	90	78	Calm	0	S.S.E.
7	78	30·142	81	30·092	29·957	29·899	78·2	75·8	84·2	78·0	85	73	68	149	77·3	76·0	74	75	29·0	30·1	89	75	S.	1	E.S.E.
8	78	30·123	81	30·074	29·938	29·881	78·0	75·0	84·2	78·0	85	76	72	144	78·2	76·2	74	75	28·3	30·1	86	75	S.E.XE.	3	E.XS.
9	80	30·115	81	30·068	29·925	29·875	79·4	75·2	80·9	76·0	83	75	72	139	79·0	77·0	73	74	27·9	28·4	82	79	E.XN.	2	E.XS.
10	78	30·101	80	30·039	29·916	29·849	75·2	73·0	80·0	73·4	80	74	72	147	78·8	77·2	72	70	26·8	25·3	90	72	N.XE.	1	S.XW.
11	77	30·099	80	30·042	29·917	29·852	75·1	72·9	80·9	74·3	82	72	68	120	78·3	77·3	72	71	26·8	26·3	90	72	Calm	0	E.S.E.
12	78	30·105	80	30·051	29·920	29·861	78·2	74·8	83·8	74·4	84	73	70	139	78·8	77·8	73	70	27·6	24·9	85	63	N.E'ly	2	E.XS.
13	78	30·118	79	30·060	29·933	29·872	78·2	73·2	77·6	73·2	80	74	71	103	79·2	77·9	71	71	25·5	26·2	78	80	E.XS.	3	E.XS.
14	77	30·078	79	30·028	29·896	29·840	77·0	73·6	79·2	74·0	81	74	71	101	78·7	78·0	72	72	26·6	26·5	84	78	N.E.XN.	2	E.
15	77	30·056	78	30·020	29·874	29·835	76·2	74·0	76·2	75·0	78	73	70	92	78·2	78·0	73	75	27·8	29·2	90	94	E.N.E.	3	E.
16	77	30·020	81	29·928	29·838	29·735	77·4	74·4	87·2	77·8	89	72	71	138	77·8	78·0	73	73	27·3	28·0	86	65	N.E.	1	N.N.W.
17	79	30·050	81	29·960	29·862	29·767	77·8	73·6	80·0	74·0	81	74	70	131	78·4	78·0	72	71	26·9	26·0	81	74	W.S.W.	2	S.W.
18	78	30·032	80	29·966	29·847	29·776	77·8	69·8	79·2	73·0	81	70	64	137	79·0	80·1	66	70	21·5	25·1	66	74	N.	1	S.S.W.
19	79	30·054	79	30·006	29·866	29·818	76·8	71·0	78·0	71·0	79	73	70	145	79·5	80·0	68	67	23·3	22·8	74	70	W.XS.	3	S.S.W.
20	77	30·123	78	30·070	29·941	29·885	74·2	68·0	80·6	69·4	81	66	60	140	79·0	80·0	64	63	20·7	20·2	71	55	Calm	0	S.E.XS.
21	78	30·134	81	30·090	29·949	29·897	77·9	69·9	81·4	72·2	85	69	63	162	79·2	79·2	66	67	21·5	22·8	66	63	N.	1	E.XS.
22	78	30·201	79	30·146	30·015	29·958	75·2	73·6	79·2	74·2	80	73	71	128	79·5	78·7	73	72	27·5	26·5	93	79	N.	2	Calm
23	76	30·203	79	30·168	30·022	29·980	75·6	73·0	77·8	75·4	82	72	68	131	79·0	78·6	72	74	27·1	29·0	88	89	Calm	0	E.S.E.
24	77	30·210	80	30·160	30·026	29·970	77·0	72·4	83·5	74·0	84	69	67	139	78·5	78·2	70	70	25·3	24·4	79	62	Calm	0	E.S.E.
25	79	30·224	80	30·166	30·035	29·976	79·0	74·2	81·4	74·8	82	72	70	141	79·3	78·8	72	71	26·5	26·3	79	72	S.E.	2	E.S.E.
26	80	30·218	82	30·151	30·026	29·954	81·2	74·4	83·2	75·8	84	75	71	145	79·8	78·8	71	72	25·6	26·8	72	70	E.S.E.	3	E.S.E.
27	80	30·214	81	30·178	30·022	29·984	80·4	74·8	81·2	75·0	83	71	68	123	80·1	78·8	72	72	26·7	27·0	76	74	E.S.E.	4	S.E.XE.
28	77	30·217	80	30·160	30·033	29·970	74·8	73·8	78·2	75·8	81	74	73	101	80·1	78·9	74	74	28·2	29·0	95	89	N.E.	3	E.XS.
29	79	30·213	80	30·159	30·024	29·969	78·0	75·0	80·4	76·2	81	73	72	130	79·8	78·8	74	74	28·3	28·9	86	82	E.XN.	4	E.
30	76	30·207	77	30·164	30·026	29·982	75·0	71·0	76·6	70·8	78	72	70	97	79·3	78·8	69	68	24·1	23·3	81	74	E.S.E.	5	E.S.E.
31	74	30·206	76	30·144	30·031	29·965	73·7	65·5	78·6	67·4	79	72	69	138	78·2	78·8	61	61	18·3	18·5	63	53	E.S.E.	5	E.S.E.
Tls.	2397	934·701	2457	932·938	929·008	927·098	2378·9	2251·7	2483·5	2290·1	2530	2239	2137	4024	2421·3	2411·6	2189	2191	795·6	802·5	2510	2291	...	..	...
Mns	77·3	30·152	79·3	30·095	29·968	29·906	76·7	72·6	80·1	73·9	81·6	72·2	68·9	129·8	78·1	77·8	70·6	70·7	25·7	25·9	81·0	73·9	...	..	...

Temperature—
- Daily Range: (Mean Max.—Mean Min.)—9·4°
- Greatest Range—17° on 16th.
- Least Range—4° on 3rd.
- Mid Temperature: ½ [Max. + Min.]—76·9°.
- Highest Maximum—89° on 16th.
- Lowest Minimum—66° on 20th.
- Lowest Maximum—76° on 3rd.
- Highest Minimum—76° on 8th.
- Lowest Grass Minimum—60° on 20th.

Humidity—
- Greatest Humidity—96 per cent. on 4th at 8 a.m.
- Least Humidity—53 per cent. on 31st. at 2 p.m.

Air Pressure—
- Highest Value at M.S.L.—30·137″ on 1st at 8 a.m.
- Lowest Value at M.S.L.—29·735″ on 16th at 2 p.m.

No. of Days of—
- Rain—21.
- Hail—0.
- Thunderstorms—1
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—6·63″ or 168·40mm.
- Average for 53 years—8·86″.
- Difference from normal, – 2·23″.
- Greatest fall in 24 hours—1·18″. or 29·97 mm. on 29th.
- Total since 1st January—95·25″.

VISIBILITY SUMMARY—No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	1	0	0	1	3	8	9	9
2 p.m.	0	0	0	0	0	0	1	0	0	2	2	9	5	12

Standard Distance of Objects used for Estimate of Visibility:—X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18⅔ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	1	11	14	5
2 p.m.	0	2	7	14	8

OCTOBER.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters). Before Obser'tion.	At time of Obser'tion.	Between Obser'tion hours.	At time of Obser'tion.	After Obser'tion.	Visibility.		Cloud. Amount (0–10).		Form.		Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	State of ground.		Sunshine (hours and tenths).	Day.
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II		
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)	
187·2	7·8	oid,c,bc	bc	bc,cd	cy	bc,b,c,o	K	J	5	7	st-cu	a-cu/cu/cu-nb	E.S.E.	E/E	Trace	0·01	1	0	8·3	1
235·2	9·8	cp	cjp	c,op	ojp	o,c	J	K	8	9	cu-nb	cu-nb/nb	E.	E.	0·04	Trace	0	0	2·9	2
165·6	6·9	oid	o	oidrq	oidq	oidrq	K	J	9	10	cu-nb	nb/st	EXS	E.	0·10	0·48	0	1	0·2	3
175·2	7·3	oidr	oir	oid,d	od	oid	F	F	10	10	nb/st	st	E.N.E.	E.N.E.	0·05	0·08	2	1	0·0	4
117·6	4·9	oid,c	o	c,bc,otq	o	otldrq	K	K	9	9	ci-st/st	nb	WNW/ENE	N.W.	..	0·49	1	0	3·1	5
100·8	4·2	oq,c,bc	bc	c,bc,b	bc	c,o,bc	K	M	5	6	ci-cu/cu-nb	ci-st/ci-cu/nb	WNW/NE	WNW/S	..	Trace	1	0	7·8	6
189·6	7·9	bc	bc	c,bc,b	bc	bc,c,o	K	K	6	4	a-cu/cu-nb	cu/cu-nb	SW/ENE	E.	..	..	0	0	8·3	7
170·4	7·1	o,c	c	c,bc,b	bc	bc,c	L	K	7	4	cu/cu-nb	cu-nb	E.	N.N.E.	..	0·01	0	0	9·7	8
136·8	5·7	c,p	c	c,bc,oz	oz	c,odd	J	K	8	9	ci/cu-nb	a-st/cu	W/E	?/E	..	0·10	0	0	2·6	9
91·2	3·8	odd	odd	odd,c	cv	cv,bc,o	K	M	10	8	a-st	st-cu	N.W.	W.N.W.	0·03	Trace	1	1	2·6	10
148·8	6·2	o,c	c	c,bc	c	cpo,bc	L	M	7	7	cu/cu-nb	a-cu/cu/cu-nb	N.E.	W/E	..	0·28	1	0	3·9	11
189·6	7·9	cp,bc	bc	bc,bv	bv	bcv,co	M	M	5	2	cu/cu-nb	cu	E.N.E.	E.	..	0·21	1	0	9·0	12
132·0	5·5	op,c	c	c,o	o	op	M	M	8	10	ci-st/a-cu/nb	a-st/nb	W/W/E	?/ESE	..	0·04	1	0	0·9	13
221·2	8·8	o	o	op,c	o	ord	L	K	9	10	a-st/nb	a-st/nb	W/ENE	?/E	0·01	0·86	0	0	0·4	14
172·8	7·2	or	ojp	oird	oid	oirkq	K	I	9	10	a-cu/nb/st	nb/st	W/ENE	E.N.E.	0·08	0·91	1	1	0·3	15
228·0	9·5	ov	ov	ovq	bcv	bcv,cilpq	M	M	9	4	st-cu/nb	a-cu/cu	WNW/NW	WNW/NW	..	0·02	2	1	5·0	16
264·0	11·0	cq,bc	bc	bc,b	b	b,bc	L	L	4	3	st-cu/cu-nb	ci/cu	W/SSW	?/S.W.	..	..	1	0	11·2	17
252·0	10·5	bc,b	b	b,bc,cq	o	c,bc,op	L	L	1	9	st-cu	a-st/st-cu/nb	S.W.	?/S.W.	..	0·02	0	0	8·8	18
240·0	10·0	op,cq,bc	bc	b,bc	c	cq,bc,b	L	M	4	7	a-cu/cu	ci/a-cu-lent/cu-nb	W/WSW	?/WSW,SSW	..	..	0	0	9·4	19
129·6	5·4	bc,cv	cv	cv,bc,b	bcvy	bcv,c,o	M	M	8	4	ci-st/cu	cu/cu-nb	W/?	W.N.W.	..	..	0	0	8·2	20
115·2	4·8	c,bc	bc	bc,cv,o	ov	ovid	M	M	5	9	ci/ci-cu/a-cu/cu	ci-st/cu/cu-nb	W/W/ENE	W/ENE	..	0·06	0	0	6·1	21
117·6	4·9	oid	oid	oid	cv	cv,od,bc	L	M	10	8	a-st/nb	a-st/cu-nb	?/W	NW/S	0·07	0·02	1	1	0·7	22
160·8	6·7	c,o	o	c,bc,oid	oid	orqid	M	K	9	10	a-st	nb/st	W.	S.E.	0·01	0·74	1	1	1·5	23
134·4	5·6	oq,c,bc	bc	bc,c	c	bc,c,o	M	L	6	7	a-cu/a-cu-lent	cu/cu-nb	W.	W.	..	Trace	1	1	6·7	24
180·0	7·5	c,bc	bc	bc,c	c	bc,c,o	M	M	6	8	cu/cu-nb	cu/cu-nb	S.E.	E.S.E.	..	Trace	1	0	5·5	25
254·4	10·6	c,bc	bc	c,bc	bc	c,o	M	M	4	6	ci/cu/cu-nb	a-cu/cu	NW/ESE	NW/ESE	..	..	0	0	8·9	26
259·2	10·8	c,bc	bc	bc,c,o	o	o	L	K	6	9	a-cu/cu/cu-nb	cu-nb	WNW/ESE	E.S.E.	..	0·19	0	0	3·5	27
247·2	10·3	o,rd	od	oid	oid	o,idr	I	I	10	10	nb/st	nb/st	N.E.	E.S.E.	0·02	0·52	1	1	0·9	28
273·6	11·4	oird	ojp	oird	c	c,oidr	J	K	9	7	cu-nb/st	ci/cu-nb	N.E.	WNW/E	0·41	0·77	1	1	1·0	29
318·0	14·5	oidrr	ojp	o	o	o,c,bc	L	L	10	10	a-st/nb/st	a-st/cu-nb	?/ESE	?/SEXE	Trace	Trace	2	1	0·0	30
268·8	11·2	c,o	o	o,c,bc	bcy	bc,c,o	K	L	9	4	st-cu/cu-nb	ci/a-cu/cu	WNW/ESE	E/E/E	..	Trace	1	0	6·2	31
8896·8	245·7	....	...	....	...	....	..	..	225	230	....	....	....	....	0·82	5·81	..	..	143·6	Total
190·2	7·9	....	...	....	...	....	..	..	7·3	7·4	....	....	....	....	..	..	..	..	4·6	Mean

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	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.
8 a.m.	0	5	21	5	0	4	0	5	2	6	4	2	0	1	0	0	1	1	0	0
2 p.m.	0	12	18	1	1	0	0	1	0	13	8	2	1	1	2	1	0	0	0	0
Total	0	17	39	6	1	4	0	6	2	19	12	4	1	2	2	1	1	1	0	0

Prevailing Direction, E.; 8h., E.; 14h., E.; maximum velocity 32 m.p.h. from E.xS. at 1401 on 2nd and from E.S.E. at 0650 and 1214 on 31st.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Obsrvateion between 8h. 30m. and 9h. F. 464.

OCTOBER, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Dat .	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	..	...	17	..	...
2	7·3	17·8	18	4·6	13·6
3	..	...	19	6·2	17·2
4	..	...	20	7·1	15·0
5	5·8	14·5	21	5·8	16·6
6	4·4	12·6	22	4·5	12·2
7	5·0	14·5	23	3·8	12·9
8	4·8	14·1	24	3·7	13·3
9	4·7	15·5	25	4·0	11·3
10	5·2	12·9	26	3·7	14·1
11	5·3	15·2	27	4·4	14·1
12	5·1	14·1	28	7·0	16·0
13	5·4	15·5	29	..	...
14	6·3	14·1	30	7·0	15·5
15	6·3	16·6	31	7·3	19·3
16	5·7	21·1	..	..	...
Totals	..	...	..	140·4	389·6
Means	..	...	..	5·4	15·0

WEATHER DIARY—OCTOBER, 1937.

Date.

1. Very thin intermittent drizzle to 0050. Cloudy to overcast and gentle to moderate E'ly breeze with frequent gusts, gradually falling off after 1700 backing N.E'ly. Variable sky after 0700, clear at times during late afternoon. Cloudy to overcast after 2130. Maximum wind velocity 27 m.p.h. from E.x S. at 1254.
2. Light N.E. winds early, cloudy and light scattered showers 0520 to 1100. Wind increased force 3/4 0718 veering E. and to force 3/5 with strong gusts 0900, falling to force 2/3 2330. Mainly cloudy to overcast all day and night. Maximum wind velocity 32 m.p.h. from E.x S. at 1401.
3. Overcast all day with intermittent drizzle and rain from 0750. Light to gentle E'ly winds at first, becoming squally force 2/4, backing E.N.E. force 2/3 after 1900.
4. Overcast all day. Intermittent drizzle and rain to 0820. Light to gentle E.N.E. winds early, increasing force 4 gusty, veering E'ly. Light to gentle breeze after 1310 very gradually backing E.N.E. Intermittent drizzle 1340.
5. Intermittent drizzle to 0640, cloudy to overcast. Light E.N.E. to N.E. winds increasing force 2/4 squally 1035, falling off 1440. Gentle to fresh S.S.W. to W. squall 1600 to 1700 then variable airs to calm. Half cloudy after 0845, becoming overcast 1330. Distant intermittent thunderstorm 1340 to 1440. Drizzle and rain 1425 to 2020.
6. N.E. airs to calm early with light to gentle E.N.E. squall 0052 to 0120. Overcast at first, becoming 3/4 to 1/2 cloudy 0630. S'ly airs 0825 backing E.S.E. force 2/3 0925, falling off 1800, backing N.N.E. 2000. Mainly cloudy afternoon and night. Pretty sunset.
7. Early morning fine, half cloudy and N'ly airs to calm. S. to S.S.W. airs 0755, backing E.S.E. 1010, increasing force 2/4, falling force 2/3 1630. Half to quarter cloudy during the day, cloudy night, overcast at times.
8. Light to gentle E.S.E. winds early, fine and half cloudy. Variable sky all day and night, mainly half cloudy. Gentle to moderate E'ly breeze during the day with fresh gusts, falling off 1730, E. to E.S.E.
9. Early morning cloudy and light E. to N.E. winds. Light showers at 0322 and 0715. Mainly overcast all day and night and slight haze. Wind gradually increased force 3 from E'ly 0815, falling off 1600 backing N.E. S.E'ly airs 2040. Thin drizzle 1835 to 1900. Thin intermittent drizzle 2135.
10. Overcast and continuous thin drizzle to 1100 then fine, cloudy and unusual visibility. Light S.E'ly winds at first, backing N.E'ly force 1/2 0055; to N.W'ly 0830; to S'ly 1200 and to E.S.E'ly 1520. N'ly airs to calm 1850.
11. Early morning fine, cloudy and N'ly airs to calm. Gentle S.E. to E.S.E. winds 0948 very gradually falling off after 1400 backing E. 2000 and to N'ly airs 2300. Shower 1720 to 1740.
12. Variable N'ly winds early force 1/2, veering E'ly 0825 increasing force 3/4, falling off 1700 backing N.E. Cloudy and heavy showers 0555 to 0630. Then fine, half to quarter cloudy and unusual visibility. Cloudy to overcast night.
13. Cloudy to overcast all day, heavy showers 0020 to 0340. Light gentle variable E. to N. breeze 0005 to 0105, then N'ly airs veering E'ly after 0400 gradually increasing force 3 2340 from E.S.E. Light showers 1830 to 2210.
14. Gentle E.S.E. breeze with moderate gusts early, falling to force 2 0400 backing N.E'ly. Overcast all day and night. Gentle E'ly breeze 1000 with moderate gusts, veering E.S.E. 1610. Moderate to fresh squall 2035 to 2055. Shower 0926. Rain and drizzle 1505 to 2350.
15. N.N.E. to N.E. winds force 1/2 early, increasing force 3 after 0600, becoming gusty 0720, veering E.N.E. 0900. Overcast all day. Rain 0548 to 0640. Intermittent drizzle and rain 1120 to 1920, with heavy rain 1512 to 1542. Light to gentle E'ly breeze 1300, rapidly backing S.W. to S. in moderate to fresh squall 1555 to 1622, then rapidly veering N.N.E. to N.E. force 2/3 with moderate N.E. squall 1900 to 1915.
16. Early morning fine, but overcast and unusual visibility. Light to gentle N.N.E. to N.E. winds, becoming squally force 2/4 after 1010, backing N.N.W. 1305, falling off 1515, rapidly backing S'ly 1640, veering N'ly 1730. Fine, half cloudy and bright during the afternoon. Lightning to S.W. 1950 to about 2030. Lunar corona 2000. Cloudy 2155 and moderate to fresh S.W.x W. squalls, falling off 2320. Showers 2255 to 2305.
17. Gentle to moderate squally S.W.x W. winds early, falling off 0555 veering W.N.W. Light W.S.W. breeze 0740, gradually increasing force 5/6 from S.W.x S. after 0935, gradually falling off after 1800 veering W.S.W. and to N'ly airs 2240. Fine and half to quarter cloudy all day and night. Lunar corona 2015. Maximum wind velocity 30 m.p.h. from S.W. at 1445.

Date.

18. Gentle W'ly breeze 0040 falling off 0200 veering N'ly airs to calm. Fine and clear sky. Light to gentle S.S.W. breeze 0900, increasing force 4/5 1310, gradually veering W'ly after 1440, falling off 1910. Variable sky after 1300, overcast at times. Trace rain 1830. Maximum wind velocity 26 m.p.h. from S.W.x W. at 1748.
19. Cloudy early and light showers 0140 to 0150, 0330 and 0410 to 0425, then fine and half cloudy. Moderate S.W. squall at 0136, then gentle W'ly breeze, gradually backing S.S.W. increasing force 4/5 1010 with strong squall 1500 to 1525, then gradually falling off veering W'ly. Maximum wind velocity 31 m.p.h. from S.S.W. at 1517. Mainly sky during the day but cloudy at times.
20. W'ly airs to calm early veering N'ly 0412. Fine and bright but cloudy with ci-st. Light S.S.W. breeze 0840 increasing force 3, backing S.E'ly 1210, falling off 1500 backing N'ly 2001. Half to quarter cloudy during the day and unusual visibility. Cloudy to overcast afternoon and night.
21. Early morning fine, half cloudy and N'ly airs. Light N.E. breeze 0820, veering E'ly 1040 force 3, falling off 1700 backing N.E'ly. Cloudy to overcast after 1250. Unusual visibility during the day. Very thin intermittent drizzle from 2300.
22. Overcast all day. Thin intermittent drizzle to 1230. N'ly winds force 1/2, 0150, increasing force 2/3 1030. Calm 1340 to 1440, then gentle N.E. breeze falling off 1900, backing N'ly. Unusual visibility during afternoon. Drizzle 1830 to 1845. Occasionally half cloudy after 2230.
23. N'ly airs to calm early, fine but overcast, becoming 3/4 to 1/2 cloudy 0900, covering again 1100. S'ly airs 1010 backing E.S.E. force 2/3 1100. Thin intermittent drizzle 1300. Moderate to heavy rain 1405 to 1550 then intermittent drizzle. Wind boxed compass 1435 to 1648, but was moderate W'ly 1512 to 1532, then N'ly airs. Fresh W. to W.S.W. squalls 1900 to 2015 then falling off veering N'ly 2220. Maximum wind velocity 27 m.p.h. from W.x S. at 2007.
24. Intermittent drizzle to 0040, then fine and cloudy, becoming half cloudy 0730. Light N'ly winds to calm early, but gentle to moderate N.N.E. squall 0430 to 0530. Light S.x W. breeze 0908, backing E.S.E. 1035, increasing force 3, veering S.E. 1800 gradually falling off after 2000. Variable sky all day but mainly half cloudy.
25. N'ly airs to calm 0142, fine and half cloudy. Light S.E. breeze 0745, gradually increasing force 3 backing E.S.E. and to E. force 2 1800. N'ly airs 1944. Light E.S.E. breeze 2205. Variable sky all day.
26. Light to gentle E.S.E. to S.E. breeze early; gentle to moderate breeze during the day. Fine with variable sky, but mainly half cloudy. Cloudy night.
27. Fine, variable sky early and moderate E.S.E. breeze with fresh gusts. Mainly overcast after 1000. Wind gradually backed E. by 2300. Maximum wind velocity 25 m.p.h. from S.E.x E. at 1038.
28. Overcast, fine and moderate E. breeze early, falling off 0348 varying E. to N.E. Gentle to moderate N.E. breeze 0724. Rain 0724 to 0742 then drizzle and thin intermittent drizzle to 0900, 1320 to 1410 and intermittent drizzle and rain to 1840 to 2200. Wind veered E'ly 0920 force 3/5. Maximum velocity 25 m.p.h. from E. at 2152.
29. Gentle to fresh E'ly winds early, lulling and backing N.E. to N. 0230 to 0420. Overcast and intermittent rain and drizzle from 0240. Wind backed N.E.x N. 0815 in fresh squall (fairly heavy rain at time) falling to force 3 0930 veering E. 1100 force 4/5. Sky occasionally 3/4 cloudy 1200 to 1600. Maximum wind velocity 27 m.p.h. from E.x S. at 1357.
30. Overcast and intermittent drizzle and rain (heavy at times) to 0620. Moderate to fresh E.S.E. breeze with frequent strong gusts all day, lulling and backing N.E. 0250 to 0312 and 0410 to 0438. Trace of rain 1445. Maximum wind velocity 31 m.p.h. from E.S.E. at 0847.
31. Moderate to strong E.S.E. to E. breeze all day. Overcast early, clearing to half cloudy after 0950, becoming cloudy to overcast 1630. Trace rain 2135. Maximum wind velocity 32 m.p.h. from E.S.E. at 0650 and at 1214.

ADDITIONAL NOTES.

A fairly dry, though rather cloudy month, rainfall being 2·23″ below normal. Wet spells occurred from 2nd to 4th, 11th to 15th, 21st to 23rd and 27th to 29th. Moderate to strong trade winds, associated with high pressure to the south, prevailed from 1st to 3rd and 24th to 31st, whilst a depression passed to the south from 14th to 18th causing fresh south westerlies.

Mean pressure at 8 a.m. was 0·004″ above normal and mean temperature 0·9° above normal.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

NOVEMBER, 1937.

NOVEMBER.

Day.	Attached thermometer and barometer as read in inches. I (1)	(2)	II (3)	(4)	Air Pressure at Mean Sea Level in the Units of Measurement. I (5)	II (6)	Temperature (degrees F.) In Screen. I Dry. (7)	Wet. (8)	II Dry. (9)	Wet. (10)	Maximum. (11)	Minimum. (12)	In Open. Grass Min. Eve to Morn. (13)	Max. in Sun. Black Bulb in vacuo. (14)	In Ground. I 1 foot. (15)	4 feet. (16)	Humidity. I Dew Point. (17)	II (18)	I Vapour Pressure. (19)	II (20)	I Percentage. (21)	II (22)	Wind Direction and Force (Beaufort Scale). I (23)	(24)	II (25)
							Tenths.				Whole Degrees.				Tenths.								Dir.	F	Dir.
	°	″	°	″	″	″	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.					
1	75	30·148	77	30·119	29·971	29·937	75·0	65·0	76·6	67·8	78	70	64	114	77·9	78·3	58	63	16·6	19·4	56	61	E.XS.	3	E.
2	75	30·131	77	30·120	29·954	29·938	75·1	69·3	73·8	69·4	78	70	65	99	77·3	77·6	66	67	21·5	22·6	74	79	E.N.E.	2	N.N.E'ly
3	76	30·154	79	30·106	29·975	29·918	74·0	71·6	82·0	74·2	83	71	67	146	77·1	77·0	70	70	25·2	25·1	88	68	N.E.XE.	2	E.S.E.
4	77	30·177	79	30·109	29·994	29·921	76·6	71·4	80·2	72·0	81	71	69	121	78·1	77·1	69	68	24·6	23·3	77	66	E.S.E.	2	S.E.XE.
5	78	30·133	79	30·107	29·948	29·919	77·4	72·4	80·4	71·8	81	73	67	127	78·9	77·2	70	67	24·6	22·6	78	64	E.S.E.	3	E.S.E.
6	78	30·118	78	30·110	29·933	29·925	76·2	73·8	73·6	73·0	80	71	69	129	78·6	77·4	72	73	27·1	28·0	89	97	E.S.E.	4	E.
7	77	30·140	79	30·113	29·958	29·925	76·0	74·0	81·0	74·8	82	73	71	127	78·2	77·4	73	72	27·8	27·0	91	74	E.XS.	3	E.
8	77	30·167	80	30·128	29·985	29·938	75·6	72·0	79·9	72·9	83	74	71	131	78·3	77·6	71	69	25·7	24·6	83	70	N.E.	3	E.XS.
9	79	30·094	81	30·073	29·906	29·880	78·4	74·8	81·0	75·0	84	72	68	135	78·6	77·6	73	72	27·6	27·0	84	74	E.XN.	2	E.
10	80	30·090	81	30·039	29·900	29·846	79·2	75·2	80·0	76·0	82	74	72	129	79·0	77·6	73	74	27·9	28·9	83	83	E.N.E.	3	E.N.E.
11	80	30·117	82	30·040	29·927	29·843	79·2	74·6	84·2	77·6	85	75	71	142	79·0	77·8	72	75	27·2	29·3	80	73	N.E.XE.	3	E.XN.
12	79	30·111	83	30·033	29·923	29·834	76·8	75·8	84·8	76·8	85	76	73	164	79·6	77·8	76	73	30·2	28·1	95	68	NW.XN.	1	NE.XN.
13	81	30·108	83	30·046	29·915	29·847	79·2	75·0	86·6	77·6	87	75	71	164	80·0	78·0	73	74	27·9	28·8	82	65	E.N.E.	1	E.XS.
14	82	30·080	83	30·036	29·883	29·837	80·2	74·2	85·6	78·0	87	74	70	164	80·8	78·4	71	75	26·0	30·0	74	70	N.XE.	2	S.E.XE.
15	83	30·115	81	30·062	29·916	29·869	81·8	77·4	79·8	77·0	84	75	70	161	81·2	79·0	76	76	30·2	30·3	82	88	E.XS.	3	E.
16	78	30·100	81	30·066	29·915	29·873	74·2	73·6	82·4	77·4	83	73	71	153	80·8	78·2	73	75	28·0	29·5	97	79	N.E'ly	1	S.E.
17	78	30·077	80	30·054	29·892	29·864	76·2	73·0	80·4	72·8	82	75	72	160	80·8	79·2	72	69	26·4	23·9	85	69	S.E.XE.	3	S.E.
18	79	30·105	81	30·067	29·917	29·874	79·0	70·8	82·4	72·6	83	73	66	168	80·8	80·0	67	67	22·4	22·4	65	61	S.E.	3	S.E'ly
19	77	30·096	81	30·082	29·914	29·889	75·4	70·8	82·6	75·2	84	69	64	159	81·0	80·0	68	72	23·5	26·8	79	70	N.E.XN.	1	S.E.XS.
20	80	30·110	83	30·069	29·920	29·870	80·8	75·8	85·4	75·6	86	73	67	162	81·0	80·0	74	70	28·4	25·2	79	62	W.S.W.	1	E.XS.
21	82	30·113	82	30·060	29·916	29·863	80·0	71·8	83·8	73·4	85	75	67	161	81·8	80·3	68	68	23·3	23·5	66	59	E.XS.	3	E.S.E.
22	80	30·056	82	29·994	29·866	29·797	79·8	71·8	84·6	75·0	85	69	65	153	81·4	80·4	68	71	23·3	25·9	66	62	E'ly	2	S.E.
23	81	30·046	84	30·010	29·853	29·808	82·0	73·0	85·8	77·6	86	71	66	157	80·2	82·0	68	75	23·7	29·2	64	68	N.N.E.	3	E.S.E.
24	80	30·083	83	30·020	29·893	29·821	76·8	74·8	84·2	76·0	85	74	70	153	82·4	80·0	74	72	28·8	27·1	91	67	N.EXN.	2	N.E.
25	81	30·056	84	29·984	29·863	29·782	79·8	73·4	87·8	74·2	88	72	67	158	82·0	80·0	70	68	25·3	23·2	73	51	N.E.XE.	2	N.E.XE.
26	82	30·023	84	29·983	29·826	29·781	81·8	75·4	87·8	76·2	88	73	69	155	82·6	80·0	73	71	27·3	26·1	74	57	Calm	..	S.E.XE.
27	79	30·078	84	30·041	29·890	29·839	83·0	76·2	86·6	76·4	87	73	71	158	82·8	80·4	73	72	27·5	27·2	72	61	E.S.E.	3	E.S.E.
28	82	30·079	84	30·020	29·882	29·818	81·4	76·0	83·2	76·0	85	77	73	155	83·0	81·0	73	73	27·7	27·5	77	71	E.XS.	3	S.E.XE.
29	80	30·023	81	29·974	29·833	29·781	78·8	73·4	81·2	73·6	83	75	71	131	82·8	81·0	71	70	25·7	24·9	76	69	E.S.E.	4	E.S.E.
30	79	29·968	77	29·940	29·780	29·758	77·4	72·6	72·8	72·0	78	74	72	96	81·6	81·0	69	71	24·6	26·4	79	96	E.	3	E.N.E.
Tls.	2375	902·896	2433	901·605	897·248	895·795	2347·1	2198·9	2460·5	2237·9	2508	2200	2069	4333	2407·6	2369·3	2124	2132	776·0	783·8	2359	2102	...	..	...
Mns	79·2	30·097	81·1	30·054	29·908	29·860	78·2	73·3	82·0	74·6	83·6	73·3	69·0	144·3	80·3	79·0	70·8	71·1	25·9	26·1	78·6	70·1	...	..	...

Temperature—
- Daily Range: (Mean Max.—Mean Min.)—10·3.
- Greatest Range—16° on 22nd.
- Least Range—4° on 30th.
- Mid Temperature: ½ [Max. + Min.]—78·5°.
- Highest Maximum—88° on 25th and 26th.
- Lowest Minimum—69° on 19th and 22nd.
- Lowest Maximum—78° on 1st, 2nd and 30th.
- Highest Minimum—77° on 28th.
- Lowest Grass Minimum—64° on 19th.

Humidity—
- Greatest Humidity—97 per cent. on 16th at 8 a.m.
- Least Humidity—51 per cent. on 25th at 2 p.m.

Air Pressure—
- Highest Value at M.S.L.—29·994″ on 4th at 8 a.m.
- Lowest value at M.S.L.—29·758″ on 30th at 2 p.m.

No. of Days of—
- Rain—19.
- Hail—0.
- Thunderstorms—1.
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—5·87″ or 149·10 mm.
- Average for 53 years—10·14″.
- Difference from normal, – 4·27″.
- Greatest fall in 24 hours—2·14″ or 54·36 mm. on 15th.
- Total since 1st January—101·12″.

VISIBILITY SUMMARY—No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	0	0	1	2	4	10	11	2
2 p.m.	0	0	0	0	0	0	1	0	1	1	2	9	11	5

Standard Distance of Objects used for Estimate of Visibility:—X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18⅔ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	4	2	19	5
2 p.m.	0	5	9	11	5

NOVEMBER.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters). Before Obser'tion.	At time of Obser'tion.	Between Obser'tion hours.	At time of Obser'tion.	After Obser'tion.	Visibility.		Cloud. Amount (0–10).		Cloud. Form.		Cloud. Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	State of ground.		Sunshine (hours and tenths).
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II	
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)
160·8	6·7	c,o	oy	o,c	o	o	L	L	9	10	a-st/cu	a-st/cu-nb	?/E	?/E	Trace	..	0	0	1·5
144·0	6·0	o	o	oidq	oidq	oid	L	L	10	10	nb	nb/st	E.	E.	Trace	0·11	0	0	0·0
168·0	7·0	oid,p,c	op	o,c,bc	bc	bc,c,o	I	L	9	5	cu-nb	ci/cu/cu-nb	E.	W/ESE	Trace	0·11	1	0	7·0
177·6	7·4	op,po,c	o	c,bc	o	o,c	L	M	9	9	cu-nb	ci-st/cu/cu-nb	E.S.E.	?/S.E.	..	..	1	0	4·9
244·8	10·2	c,o	o	c,op	o	op	M	M	9	9	ci-st/cu/cu-nb	ci-st/cu/nb	W/E	?/E	Trace	0·18	0	0	3·3
252·0	10·5	opq,c	oq	opq,c	opq	opq,pp	J	H	9	10	a-cu/cu-nb/st	nb/st	E.	E.	0·10	0·18	1	1	1·3
244·8	10·2	oppoq	opq	opcq	ojpq	oq,c	L	J	10	9	nb/st	ci-st/cu-nb/st	E.	?/E	Trace	Trace	1	1	2·2
168·0	7·0	o,c	ojp	c,bc,o	o	c,o	J	K	10	9	a-st/nb/st	ci/cu-nb	?/E	?/E	..	0·01	1	0	3·5
199·2	8·3	op,c	c	c,bc,o	ojp	op,c	K	K	8	9	ci-cu/cu/cu-nb	ci-st/nb/st	W/E	?/E	Trace	0·15	0	0	5·6
208·8	8·7	op,c	o	op,c,bc	op	c,bc	K	J	9	8	a-cu/cu/st	cu-nb	ENE/ENE	E.N.E.	0·03	Trace	1	1	3·0
189·6	7·9	bc,c	cjp	c,bc	bczo	c,bc	J	K	8	4	cu-nb	ci/cu/f-cu	E.N.E.	?/NE	Trace	0·24	0	0	7·5
115·2	4·8	c,or	or	or,c,bc	c	c,o	H	K	10	7	nb/st	ci-cu5/ci/cu-nb2	N.E.	WNW/NE	0·22	Trace	1	1	3·1
158·4	6·6	c,o	o	o,c,bc,b	b	b,bc	K	M	9	2	st-cu/nb	ci/cu	NE/NE	?/E	..	Trace	1	0	8·7
134·4	5·6	bc,c	c	c,bc	bc	bc,l	L	K	7	5	ci/cu	ci/cu-nb	NW/NNE	NW/E	..	0·01	0	0	9·2
168·0	7·0	od,c	c	bcp,c,otd	ot	otdcl	J	I	7	9	ci/cu/cu-nb	ci-st/nb/st	?/NE	?/E	0·06	2·08	0	0	3·5
199·2	8·3	orrtldm	od	od,c,bc	c	od,c	K	K	9	7	ci/cu-nb/nb/st	ci/ci-st/cu-nb	W/E	W/SE	0·01	0·09	2	1	1·4
235·2	9·8	od	o	o,c,bc	bc	bc	L	L	9	4	cu-nb/nb	st-cu	S.E.	S.E.	..	..	1	1	2·8
124·8	5·2	bc,b	b	b,bc	bc	bc,c	M	M	2	4	cu/f-cu	cu/f-cu	S.E.	S.E.	..	Trace	1	0	10·1
180·0	7·5	o,c	c	c,bc	bc	b,bc	L	L	8	5	cu/cu-nb	cu/cu-nb	E.S.E.	S.E.	..	0·01	0	0	8·5
189·6	7·9	bc,c,p	c	b,bc,p	bc	bc,b	K	L	7	4	cu/cu-nb	ci/cu	E.	W/E	Trace	..	0	0	10·6
184·8	7·7	b,bc	bc	bc,c	c	bc	L	K	5	7	ci/cu/cu-nb	ci/cu/cu-nb	WSW/E	W/ESE	..	..	0	0	10·8
165·6	6·9	bc,b	bc	bc,b	b	b	L	M	4	3	ci/cu	ci/cu	W/E	W/E	..	..	0	0	11·8
189·6	7·9	b	b	b,bc	bc	bc,c	L	L	1	4	cu/fcu	cu/fcu	N.E.	E.N.E.	..	0·03	0	0	11·8
136·8	5·7	c,o,od	od	odor,c	bc	bc,b	K	L	9	4	st/nb	cu/fcu	N.E.	N.E.	0·16	Trace	1	0	6·4
129·6	5·4	b	b	b	b	b	K	L	3	1	cu	cu	N.E.	N.E.	..	..	0	0	11·4
141·6	5·9	b	b	b	b	b	L	L	2	3	ci/cu	ci/cist/cu	?/NE	SW/SE	..	..	0	0	9·8
165·6	6·9	bc,c	c	c,bc	b	b,bc	K	L	8	3	cu	ci/cu/f-cu	E.S.E.	W/ESE	..	0·25	0	0	11·4
312·0	13·0	o,or,c	c	c,od,o	ojp	o,or,o	L	K	8	10	ci-cu/a-cu/cu	st/nb	E/E	S.E.	Trace	0·16	1	0	4·0
271·2	11·3	o,dc	c	c,o,c	c	c,o,od,	K	K	9	9	ci-cu/st/nb	a-st/nb	W/E	E.S.E.	..	0·04	1	0	0·2
208·8	8·7	o,od	ojp	o,orr	or	or,o	K	F	10	10	nb	nb	F.	E.	0·49	1·15	1	1	0·0
5568·0	232·0	....	...	....	...	....	..	..	227	192	....	....	....	....	1·07	4·80	..	..	175·3
185·6	7·7	....	...	....	...	....	..	..	7·6	6·4	....	....	....	....	5·87		..	..	5·8

WIND SUMMARY.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	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.
8 a.m.	0	2	27	1	0	1	3	5	4	7	6	1	0	0	0	0	1	0	0	1
2 p.m.	0	15	15	0	0	0	2	2	3	8	10	5	0	0	0	0	0	0	0	0
Total	0	17	42	1	0	1	5	7	7	15	16	6	0	0	0	0	1	0	0	1

Prevailing Direction, E.S.E.; 8h., E.; 14h., E.S.E.; maximum velocity, 29 m.p.h. from E. at 0833 on 30th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

NOVEMBER, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	6·7	16·0	16	..	...
2	4·8	15·0	17	5·0	13·3
3	7·9	16·0	18	6·4	17·8
4	5·4	13·6	19	4·1	11·6
5	6·4	14·1	20	..	...
6	6·3	11·7	21	5·7	14·9
7	8·4	17·2	22	5·7	14·5
8	5·0	13·3	23	5·7	17·8
9	4·5	12·5	24	4·5	11·3
10	7·0	15·5	25	3·9	13·7
11	6·4	2·02	26	4·9	13·3
12	..	...	27	3·4	10·7
13	4·7	14·2	28	4·5	13·6
14	4·9	14·5	29	5·7	15·5
15	3·9	10·1	30	7·4	14·0
Totals	..	...	..	149·2	385·9
Means	..	...	..	5·5	14·3

WEATHER DIARY—NOVEMBER, 1937.

Date.

1. Fine but cloudy to overcast all day, mainly overcast. Gentle to moderate E'ly breeze, backing N.E. occasionally. Fresh gusts 1012 to 1448, then wind fell gradually to force 1, backing N.E. after 1800. Maximum wind velocity 27 m.p.h. from E. at 1049.
2. Overcast all day and night. N.E. airs to calm early, light E.N.E. breeze 0730, becoming light to moderate squally and variable but mainly E.x N. Light breeze after 1520, falling off after 1800 backing N.E'ly. Very thin intermittent drizzle from 1130.
3. Early morning overcast and intermittent drizzle to 0310. Light N.N.E. winds veering N.E. 0700, veering E.S.E. 0914 force 3/4, with fresh gusts, falling to force 2/3 1648, backing E.x N. 2320. Sky gradually cleared to half cloudy 0805, cloudy to overcast night. Maximum wind velocity 25 m.p.h. from E.S.E. at 1412.
4. Wind backed N.N.E'ly 0100 force 1/2, veering S.S.E. 0718, backing E.S.E. 0728, increasing force 0835, falling to force 2 1700. Cloudy to overcast early with showers and light showers 0212 to 0610. Variable sky during the day, cloudy to overcast afternoon and night.
5. Cloudy to overcast all day. Light to gentle E.S.E. to E. winds early with moderate gusts after 0655, backing N.N.E. force 2 1018 to 1440, then moderate E.S.E. breeze with occasional fresh gusts, falling to force 3 1600. Very light scattered showers 1000 to 1020. Showers 1900 to 1910. Maximum wind velocity 25 m.p.h. from E.S.E. at 1349.
6. Gentle to moderate E.S.E. winds early with fresh gusts and squalls after 0400, backing E'ly 1300 and to N.E'ly 2000 to 2125. Cloudy to overcast all day with light to moderate showers from 0120; heavy shower 1355 to 1410. Maximum wind velocity 27 m.p.h. from E.S.E. at 0736.
7. Gentle to moderate E. breeze all day with fresh gusts and squalls and cloudy to overcast. Light to moderate showers to 0830. Maximum wind velocity 31 m.p.h. from E. at 1203. Wind gradually fell to force 3 backing E.N.E.
8. Gentle E.N.E. breeze early falling off backing N.E. veering E. 0522 force 3 (fresh squall, 25 m.p.h., 0648 to 0718) backing N.E. 0735. Showers in sight. Moderate E.x S. breeze 1025, gradually falling off after 1600 backing N.E'ly 2010. Mainly overcast all day but with occasional bright intervals.
9. Variable E. to N. winds early force 1/2 becoming light E'ly 0720. Light showers 0700 to 0720. Cloudy to overcast at first, then variable sky; overcast night. Gentle to moderate breeze 0825 with occasional fresh gusts, backing N.E. 1700, falling to force 2 1826. Showers 1740 to 2100. Maximum wind velocity 28 m.p.h. from E.N.E. at 1821.
10. Light N.E. winds early and cloudy to overcast. Gentle E.N.E. breeze 0222 with occasional moderate gusts, moderate breeze during the day with occasional fresh gusts, falling to force 3 1800. Showers 0320 to 0630, 1100 to 1200 and 1355 to 1405. Variable sky during the day and at night. Maximum wind velocity 26 m.p.h. from E.x N. at 1507.
11. Light to gentle N.E'ly winds early, fine and half cloudy, cloudy 0730 with showers in sight. Trace rain 0905, thereafter fine and bright, though cloudy and threatening to N.W. 1500 to 1700. Gentle to moderate breeze 0925 veering E.x N. with fresh to strong gusts, falling force 2/3 1548, backing N.E.x E. Slight haze during afternoon. Maximum wind velocity 27, m.p.h. from E.x N. at 1355.
12. North easterly winds early force 1/2 and cloudy backing N.W'ly 0735 becoming variable 0812 to 1210. Overcast and rain 0715 to 1035 then brightening with N.E'ly wind force 2/3 with moderate gusts to 1500 then gradually falling to force 1 by 1814. Evening cloudy to overcast. Maximum wind velocity 26 m.p.h. in isolated gust at 1257 from N.E.xN.
13. Cloudy to overcast but fine in early morning with N.E'ly airs becoming variable E.N.E. force 2 at 0740, increasing force 3 from E'ly 0850 with moderate gusts 1402 to 1540. Light breeze after 1710 backing N.E. 1820. Sky cleared 0930, being variable at night. Lunar Corona observed occasionaly at night.
14. Early morning fine half to ¾ cloudy, cirrus predominating and N.E. airs. Light N.x E. breeze 0732 veering E.S.E. force 3 after 1010 backing 1600 falling off 1815, gradually backing N'ly. Mainly half cloudy and bright after 0830. Lighting to west 1900 to 2000.
15. Cloudy to overcast at first then drizzle 0140 to 0150 then variable sky. N.N.E'ly airs veering E. variable 0712 force 2/3 to 1030 then E.x S. force 4 gradually falling off after 1300 to force 1 and backing E.N.E. at 2000. Cloudy to overcast during the day with a shower 1020 to 1240 then slight drizzle and distant intermittant thunder 1315 to 1715. Evening cloudy to overcast, lightning 1930 to 2030. Maximum wind velocity 27 m.p.h. from E.x S. at 1242.

Date.

16. Light to gentle variable winds mainly E. to N.E. with occasional moderate gusts to 1010 then E.S.E. to S.E. force 3/4. Rain from 0140 increasing to heavy rain 0600 to 0700 when 1·29" fell then drizzle to 0800; mist early and severe thunderstorm 0515 to 0720. Cloudy to overcast during day with slight drizzle 1120 to 1130 and 1710 to 1715. Evening cloudy to overcast.
17. Wind S.E. to E.S.E. force 3/4. Cloudy to overcast with drizzle 0015 to 0050 and slight drizzle 0300 to 0305. Weather lenghtening after 0900. Cloudy to overcast all day with wind gradually falling off to force 1/2 at 2150. Evening overcast at first then half cloudy.
18. Gentle S.E. wind gradually increasing to force 3/4 at 0800. Morning bright, fine and clear becoming cloudy in the evening with the wind falling off to force 1/2 at 2100 and backing N'ly at 2145. Partial eclipse of the moon observed at 2037.
19. N'ly breeze force 1 early. Cloudy to overcast and slight drizzle at 0754. Wind backed W.S.W. 0840 and sky 0910 increasing to force 3/4 then vrey gradually backing S.E. and then to N.E. after 2100 falling off 2300. Quarter to half cloudy during day and evening.
20. Gentle variable winds mainly N.E'ly, backing W.S.W. 0735. Variable sky early with shower 0605 to 0610. Noticeable swell and break on reef. Fine and half to quarter cloudy all day and night. Moderate E.xS. breeze 0835 falling to force 2/3 1600. Trace rain 1200.
21. Light to gentle E'ly winds early, fine and half cloudy wind backing N.E. force 1 after 0450, increasing from E.xS. 0655 force 3/4 gusty, gradually falling off after 2000 and backing N. force 1 at 2225, veering E.S.E. and increasing to force 3 at 2300 quarter to half cloudy during day and evening.
22. Early morning fine and clear becoming quarter to half cloudy after 0600. Wind E.S.E. force 3 falling off force 1 and backing N'ly 0130. Veering E'ly and increasing to force 3 at 0735, veering E.S.E. at 0940 and increasing force 3/4, falling off to force 3 after 1700, backing N. and falling off force 1 at 2255. Clear to quarter cloudy during day and evening.
23. Early morning fine and clear. Wind N. force 1 veering E.N.E. and increasing force 3/4 at 0800, veering E'ly at 1120 and increasing force 4/5 at 1500 then gradually backing E.N.E. and falling off force 3 at 1920, veering N.E. 2300. Fine and clear to quarter cloudy all day and evening. Maximum wind velocity 28 m.p.h. at 1420 and 1500 in isolated gusts from E.
24. Wind N.E'ly force 1 backing N.x E. 0035 and falling off to light airs 0100, veering N.E. and increasing force 2/3 at 0535. Early morning overcast with slight drizzle at 0255 and from 0565 to 0610, intermittant drizzle and light rain from 0815 to 1020. Wind falling off force 1/2 and backing W. 0910, veering N.E'ly increasing force 3/4 at 0955, falling off to force 1 at 1835. Weather cleared after 1100 and became half to quarter cloudy with clear night.
25. Early morning fine and clear with light N.x E. wind force 1 veering N.E. 0740 and increasing force 3/4 at 1100 gradually falling off to light airs 2100. Fine and clear all day and night.
26. Fine and clear in early morning. Light N'ly airs to 0800 then N.x E. force 1, backing S.S.W. and increasing force 2 0910 backing S.E. and increasing force 3/4 1025 gradually backing E. and falling off force 1 1835, backing N.x E. 2010. Fine and clear all day and evening.
27. Fine and clear in the early morning becoming cloudy after 0700. Gentle wind N.x E. force 1 veering E.S.E. and increasing force 2/3 at 0740 then gradually veering S.E. 1220 then gradually backing E. 1800 and falling off force 2 at 2000 and backing N.E. 2025. Cloudy during the day, becoming overcast after 0700 with light rain from 2119 to 2150 and from 2335 to 2340.
28. Overcast in early morning with gentle N.N.E'ly wind force 1 veering E'ly and increasing force 3/4 at 0245 and gradually veering E.S.E'ly. Cloudy to overcast during day with light rain from 1817 to 1827 and 2355. Maximum wind 27 m.p.h. from E.S.E. at 1730.
29. Early morning overcast with rain from 0543 to 0553. E.S.E'ly wind force 3/4. Overcast all day and evening with light showers from 1550 to 1600 and 1750 to 1800. Maximum wind velocity 28·1 m.p.h. at 1312 from E.x S.
30. Overcast in early morning moderate gusty wind force 3/4 from E. Light rain from 0610 to 0640. Overcast all day with light rain from 0925 to 0950 and continuous moderate rain from 1110 to 2000 and 2110 to 2330. Wind falling off force 2/3 and backing E.N.E. 2200. Maximum wind velocity 29 m.p.h. from E. at 0833.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

DECEMBER, 1937.

DECEMBER.

Attached thermometer and barometer as read in inches.				Air Pressure at Mean Sea Level in the Units of Measurement.		Temperature (degrees F.)										Humidity.						Wind Direction and Force (Beaufort Scale).			
						In Screen.						In Open.		In Ground.											
						Dry.	Wet.	Dry.	Wet.	Maximum.	Minimum.	Grass Min. Eve to Morn.	Max. in Sun. Black Bulb in vacuo.	1 foot.	4 feet.	Dew Point.		Vapour Pressure.		Per-centage.					
I		II		I	II	I		II						I		I	II	I	II	I	II	I		II	
						Tenths.				Whole Degrees.				Tenths.											
(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
°	"	°	"	"	"	"	"	°	°	°	°	°	°	°	°	°	°	mb.	mb.			Dir.	F	Dir.	F
76	29·922	77	29·890	29·743	29·708	75·0	72·2	75·6	73·4	78	71	68	129	79·4	80·8	71	73	25·5	27·8	87	89	Calm	.	N.E.	3
77	29·916	77	29·888	29·734	29·706	75·8	74·2	76·0	73·0	76	72	71	101	79·8	80·2	74	72	28·5	26·4	93	86	N.N.E.	1	N.	2
76	29·956	80	29·963	29·777	29·773	76·2	72·6	82·2	77·0	83	71	70	118	80·0	79·0	71	75	25·7	29·5	83	78	N.XW.	1	W.	2
77	30·085	78	29·990	29·903	29·805	72·0	71·4	76·0	71·8	80	72	70	115	79·8	79·8	71	70	26·1	25·0	97	81	N.XE.	2	N.XE.	4
78	30·020	79	30·008	29·835	29·820	79·8	75·0	85·0	76·0	86	71	69	152	78·8	79·8	73	72	27·4	26·7	79	64	N.XE.	1	N.E.XN.	2
82	30·057	85	30·016	29·860	29·811	82·8	77·4	86·6	78·8	88	77	75	162	79·6	79·4	75	76	29·8	30·3	77	70	N.E.	2	N.E.	4
82	30·056	85	30·032	29·859	29·827	81·2	77·2	87·6	78·8	89	77	76	160	79·6	80·8	75	75	29·9	29·9	83	66	N.E.	2	N.EXE.	3
83	30·097	80	30·088	29·898	29·898	82·4	78·4	78·2	74·8	85	77	75	160	79·8	81·6	76	73	31·0	27·6	83	84	E.XS.	2	S.S.E.	4
81	30·150	83	30·100	29·957	29·901	81·6	75·6	84·8	75·6	86	75	73	162	79·8	81·0	73	72	28·0	26·7	75	64	E.XN.	2	E.XS.	2
82	30·108	83	30·066	29·911	29·867	80·0	75·8	85·6	76·8	87	74	71	161	80·0	81·4	74	73	28·9	27·7	82	66	E.S.E.	3	E.S.E.	4
82	30·088	83	30·061	29·889	29·862	82·0	77·0	85·8	75·0	86	74	71	164	81·8	80·0	75	70	29·5	24·8	79	59	E.S.E.	2	E.S.E.	4
82	30·121	83	30·094	29·924	29·895	82·2	74·0	86·0	75·4	87	75	71	171	80·0	81·8	70	71	25·1	25·5	67	60	E.S.E.	3	E.S.E.	4
83	30·148	83	30·100	29·947	29·901	80·4	72·4	85·2	73·8	86	75	71	159	82·0	80·2	68	68	23·3	23·1	66	57	E.	2	S.E.	3
82	30·119	83	30·088	29·922	29·889	81·0	74·0	83·0	75·4	85	76	72	152	82·0	80·2	71	72	25·6	26·8	70	68	E.S.E.	2	E.S.E.	3
82	30·130	83	30·096	29·932	29·897	81·4	71·6	85·0	75·0	86	75	72	162	80·8	81·8	66	70	21·5	25·2	61	62	E.XS.	2	S.E.	3
81	30·156	83	30·092	29·961	29·893	79·6	72·0	85·2	73·2	86	71	68	153	81·0	82·2	69	67	23·9	22·4	68	55	S.E.	2	S.E.	3
82	30·118	83	30·090	29·921	29·891	81·2	71·0	85·6	72·8	86	74	69	156	80·8	82·6	66	66	21·5	22·0	59	52	E.XS.	2	E.S.E.	4
81	30·092	83	30·044	29·899	29·845	78·0	73·0	85·2	74·0	86	71	69	155	82·6	81·0	71	69	25·5	23·8	78	58	Calm	.	E.S.E.	4
81	30·088	81	30·046	29·895	29·853	78·2	74·0	80·6	74·0	82	72	69	144	80·8	82·6	72	71	26·9	26·3	81	72	N.E.XE.	1	E.	4
81	30·100	83	30·026	29·907	29·827	79·0	70·0	85·4	74·2	86	72	69	155	80·8	81·6	65	69	21·1	23·8	63	58	E.N.E.	2	E.S.E.	4
82	29·999	83	29·930	29·802	29·731	82·2	73·8	83·6	74·8	86	72	69	168	80·8	82·0	69	72	24·4	26·4	66	65	N.E.	2	E.S.E.	5
81	29·960	84	29·908	29·767	29·708	80·0	74·8	86·0	76·0	87	73	71	167	80·6	82·2	73	71	27·4	26·2	78	62	E.N.E.	2	E.	4
82	29·955	85	29·916	29·758	29·711	81·6	75·2	87·0	76·0	88	74	71	166	82·8	80·8	73	71	27·3	25·8	74	59	E.N.E.	2	N.E.	4
81	30·000	83	29·945	29·807	29·746	79·2	75·4	82·2	76·8	85	77	76	150	80·6	82·6	73	74	27·9	28·7	83	77	N.N.E.	2	E.XN.	4
81	29·910	83	29·878	29·717	29·679	79·8	76·0	82·2	75·0	84	76	74	152	82·0	80·8	74	72	28·9	26·5	83	70	E.N.E.	2	E.	4
80	29·916	80	29·872	29·726	29·684	76·8	75·0	77·8	76·0	79	74	72	115	81·0	81·4	74	75	28·8	29·8	92	92	Calm	.	N.E.XN.	1
78	29·897	79	29·846	29·712	29·660	76·2	74·0	78·4	77·0	80	73	71	108	80·8	80·8	73	76	27·8	30·5	90	94	N.N.E.	2	N.E.	2
80	29·870	83	29·822	29·682	29·625	80·0	77·0	86·2	78·4	86	76	74	155	80·2	80·8	76	75	30·3	29·2	87	70	N.E.XE.	3	N.E.	3
79	29·842	81	29·816	29·656	29·625	77·6	75·6	81·2	77·4	83	76	74	141	80·6	80·6	75	75	29·8	29·9	91	84	N.XE.	3	N.N.E.	3
81	29·950	84	29·912	29·757	29·710	81·0	76·0	84·8	78·8	87	74	72	170	80·8	80·4	74	77	28·4	31·2	79	76	N.XE.	2	E.N.E.	3
83	30·006	85	29·970	29·807	29·765	83·0	77·8	87·8	78·4	89	76	73	163	82·2	82·0	76	74	30·5	29·1	78	65	Calm	.	N.N.E.	3
2499	930·832	2545	929·593	924·865	923·511	2467·2	2309·4	2581·8	2343·4	2628	2293	2216	4646	2501·6	2512·2	2236	2236	836·2	834·6	2432	2163	...	..	...	..
80·6	30·027	82·1	29·987	29·834	29·791	79·6	74·5	83·3	75·6	84·8	74·0	71·5	149·9	80·7	81·0	72·1	72·1	27·0	26·9	78·5	69·8	...	..	...	..

Temperature—
- Daily Range: Mean Max.—Mean Min.—10·8.
- Greatest Range—15° on 5th, 16th and 18th.
- Least Range—4° on 2nd.
- Mid Temperature: ½ [Max. + Min.]—79·4°.
- Highest Maximum—89° on 7th and 31st.
- Lowest Minimum—71° on 1st, 3rd 5th, 16th and 18th
- Lowest Maximum—76° on 2nd.
- Highest Minimum—77° on 6th, 7th, 8th, and 24th.
- Lowest Grass Minimum—68° on 1st and 16th.

Humidity—
- Greatest Humidity—97 per cent on 4th at 8 a.m.
- Least Humidity—52 per cent on 17th at 2 p.m.

Air Pressure—
- Highest Value at M.S.L.—29·961″ on 16th at 8 a.m.
- Lowest Value at M.S.L.—29·625″ on 28th, and 29th at 2 p.m.

No. of Days of—
- Rain—20.
- Hail—0.
- Thunderstorms—0.
- Fog—0.
- Gales (force 8 or more)—0.

Rainfall—
- Total—5·51″ or 139·95 mm.
- Average for 53 years—12·50″.
- Difference from normal— −6·99″.
- Greatest fall in 24 hours—1·30″ or 33·02mm. on 26th.
- Total since 1st January—106·63″.

VISIBILITY SUMMARY—No. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8 a.m.	0	0	0	0	0	0	0	0	0	3	0	7	10	11
2 p.m.	0	0	0	0	0	0	0	0	1	3	0	3	12	12

Standard Distance of Objects used for Estimate of Visibility:—X—Nil, A—27 yards, B—55 yards, C—110 yards, D—220 yards, E—550 yards, F—1,110 yards, G—1¼ mile, H—2½ miles, I—4⅓ miles, J—6¼ miles, K—12½ miles, L—18⅔ miles, M—31 miles.

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	8	5	7	11
2 p.m.	0	5	7	10	9

DECEMBER.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters). Before Obser'tion.	At time of Obser'tion.	Between Obser'tion hours.	At time of Obser'tion.	After Obser'tion.	Visibility.		Cloud. Amount (0–10).		Cloud. Form.		Cloud. Direction whence coming.		Amount of Rain. 6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	State of ground.		Sunshine (hours and tenths).
		I	I	I and II	II	II	I	II	I	II	I	II	I	II			I	II	
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)
108·0	4·5	o	o	o,or	od	o,or	K	I	10	10	st/nb	nb	E.	N.E.	0·17	0·13	1	1	0·0
172·8	7·2	o,	ojp	o,or	od	or,o	I	I	10	10	nb	nb	E.N.E.	E.N.E.	0·40	0·09	1	1	0·0
110·4	4·6	o	o	o	c	o,c	M	M	10	9	a-st	ci/a-st/cu/cu-nb	N.E.	NE./NW.	..	0·54	1	1	0·3
160·8	6·7	c,or	or	or,od,o	o	o	I	M	10	10	nb	nb	?	N.E.	0·24	Trace	1	1	0·0
163·2	6·8	o,	o	o,c	c	c	L	M	10	9	a-st	a-st/cu	?	N.E.	Trace	..	0	0	2·6
213·6	8·9	c	c	c	c	c,o	L	L	8	8	ci-cu/cu/cu-nb	cu	W./E.N.E.	N.E.	..	0·01	1	0	8·0
177·6	7·4	otd,c	cjp	c,bc	bc	bc,l	K	M	8	6	ci/cu-nb	ci/cu	W./N.E.	SW./NE.	0·02	0·01	1	0	8·0
254·4	10·6	bc	bc	c,or,o	ojp	o,c,bc	K	I	6	10	ci/cu	nb	W./E.	S.S.E.	0·15	..	0	1	3·6
182·4	7·6	bc,c	c	c,bc	bc	c,bc	M	M	8	5	ci-st/cu-nb	ci/cu	W./E.	W./E.	..	..	0	0	8·2
208·8	8·7	c,or.c	c	cbc	bc	bc	I	K	7	5	ci/cu-nb	cu	E.	S.E.	Trace	0·01	0	0	11·3
189·6	7·9	c,or.c	b	b	b	b,bc	L	L	2	3	cu	ci/cu	E.XS.	?/E.XS.	..	..	0	0	10·7
225·6	9·4	bc	bc	bc	bc	bc,b	L	L	6	5	cu/cu-nb	cu/cu-nb	E.S.E.	E.S.E.	..	Trace	0	0	9·7
194·4	8·1	bc,b	b	b	b	b,bc	M	M	6	2	cu	cu	E.	S.E.	..	..	0	0	12·5
230·4	9·6	bc,c,bc	bc	bc,c	c	c,o	L	L	6	8	cu/cu-nb	a-cu/cu/cu-nb	E.S.E.	NW./ESE.	Trace	0·01	0	0	5·1
180·0	7·5	o,oro,bc	b	b	b	b	M	M	2	3	cu	cu	E.	E.S.E.	..	..	0	0	12·0
175·2	7·3	b	b	b	b	b	M	M	3	1	cu	cu	E.	S.E.	..	Trace	0	0	12·5
175·2	7·3	b	b	b,bc	bc	bc	M	M	3	4	ci/cu	ci/cu	E./E.	E./E.	..	0·01	0	0	12·5
160·8	6·7	bc,cr.bc	b	b,bc	bc	bc,c	M	M	2	6	cu/f-cu	ci/cu	E.	E./E.	..	0·01	0	0	11·8
182·4	7·6	c,or.c,	cjp	c,or.c	cjp	c,bc	L	L	8	9	cu/cu-nb	st-cu/cu/nb	E.	E.	0·05	Trace	0	0	2·1
168·0	7·0	bc	bc	bc,b	b	b	M	L	4	2	cu/f-cu	cu	E.	E.	..	..	0	0	12·0
182·4	7·6	bc,b	b	b,bc	c	c	L	L	3	7	cu	ci/cu/cu-nb	E.N.E.	E./N.E.	..	..	0	0	9·7
163·2	6·8	c	c	c,o,c	c	c,bc	L	L	8	7	ci/cu/cu-nb	ci/cu-nb	W./N.E.	W./E.	Trace	..	0	0	10·3
170·4	7·1	bc,c	o	o,c	bc	c,l.	K	L	10	6	ci/ci-st/cu	ci/ci-st/a-cu/cu	?/N.E.	?/N.E.	Trace	..	0	0	6·6
187·2	7·8	c,o	ojp	o,ro	ojp	or,o	K	K	10	10	nb	a-st/cu-nb/nb	N.E.	E.	0·16	0·08	0	1	0·3
168·0	7·0	o	o	o	ojp	or.r.	K	L	10	10	a-st/nb	a-st/nb	E.	E.	Trace	0·45	1	0	0·9
141·6	5·9	or.r.,o	od	od,or.r.	or,r.	or.r.,o	K	H	10	10	nb	nb	N.E.	N.E.	0·65	0·65	1	1	0·0
206·4	8·6	or,o	o	or.r.,od	od	od,o	L	K	10	10	nb	nb	N.E.	N.E.	0·07	0·01	1	1	0·0
196·8	8·2	o	c	o,c	c	or.r.,o	M	M	9	9	a-cu/nb	ci-cu/cu/cu-nb	?/N.E.	NE./NNE.	..	0·47	0	0	0·5
168·0	7·0	o	od	od,o	ojp	or.r.	L	L	10	10	nb	a-st/nb	N.N.E.	N.N.E.	0·01	1·04	1	0	0·0
134·4	5·6	c,o,bc	b	bc,c,or.o	c	c,bc,b	M	L	2	8	ci/cu	cu/cu-nb/nb	W./N.	N.	0·06	..	1	0	5·6
103·2	4·3	b	b	bc,c,or,c	c	....	M	M	3	9	ci/cu	ci/ci-cu/cu	?/N.N.E.	?/N.	0·01	..	0	0	5·3
5455·2	227·3	....	...	....	...	....	..	..	214	221	.....	.....	....	....	1·99	3·52	..	..	182·1
176·0	7·3	....	...	....	...	....	..	..	6·9	7·1	.....	.....	....	....		5·51	..	..	5·9

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	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.
8 a.m.	0	0	27	4	1	4	3	5	5	4	4	1	0	0	0	0	0	0	0	0
2 p.m.	0	15	16	0	0	2	4	6	2	4	8	3	1	0	0	0	0	1	0	0
Total	0	15	43	4	1	6	7	11	7	8	12	4	1	0	0	0	0	1	0	0

Prevailing Direction, E.S.E.; 8h, N.E. and E.N.E.; 14h, E.S.E.; Maximum velocity, 35 m.p.h. from N.xW. at 1433 on 28th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

DECEMBER, 1937.

Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.	Date.	Cooling Power. Dry Kata.	Cooling Power. Wet Kata.
1	6·1	12·9	17	4·1	12·1
2	6·3	12·6	18	4·4	13·6
3	3·9	11·0	19	4·8	12·2
4	3·4	11·9	20	5·0	18·6
5	5·6	15·5	21	4·7	16·6
6	4·6	15·0	22	3·8	13·3
7	4·4	14·1	23	4·4	17·2
8	3·7	13·3	24	6·8	15·0
9	4·7	12·6	25	..	...
10	4·5	14·5	26	4·2	10·3
11	4·5	16·6	27	4·7	17·2
12	4·4	13·6	28	5·0	14·1
13	4·0	12·9	29	4·7	13·3
14	4·6	15·0	30	4·1	13·0
15	4·4	16·0	31	2·7	10·3
16	4·1	12·1	..	..	...
Totals	..	...	..	136·6	416·4
Means	..	...	..	4·6	13·9

WEATHER DIARY—DECEMBER, 1937.

Date.

1. Overcast in early morning. N.E'ly breeze force 2/3 falling off to light airs 0500, increasing force 2/3 0950, veering S.E. 1150, backing N.E'ly 1220 and falling off force 1 2000 and backing N'ly 2100, overcast all day with intermittent showers from 1000 to 1750. Overcast at night.
2. Overcast in early morning with light rains. N.E'ly breeze force 1 increasing force 2/3 0930 and gradually backing N'ly 1330, falling off to calm 1435, increasing force 4/5 and becoming gusty after 1535, falling off force 1 and backing W'ly 2300. Overcast all day with continuous light rain 0810 to 1210 and intermittent light rain and drizzle from 1400 to 2005. Overcast evening. Maximum wind velocity 28 m.p.h. from N.x W. at 2020.
3. Overcast in early morning N.W'ly breeze force 1 veering N.N.E. 0050, becoming variable and gusty force 2/4 after 0400, backing E.S.E. 1540, backing N.N.W. 1910 and veering N.E'ly 2030. Overcast day. Cloudy evening.
4. Overcast in early morning with heavy continuous rain from 0605 to 1235. N'ly breeze force 2/3 falling off force 1 at 0210, backing W. and increasing force 2 0635, veering N.N.E. 0740 and falling off force 1 0820, backing N'ly 1200 and increasing force 4/5 gusty, gradually falling off after 1635, backing N.N.W. 1845 and becoming variable after 2110. Overcast all day. Maximum wind velocity 34 m.p.h. at 1535 from W.
5. Overcast in early morning. Breeze variable force 1 to 0255 then N'ly, veering N.E. 0820 and increasing force 2/3, gradually backing N. by 1320, then veering N.E. Overcast during morning then cloudy.
6. Cloudy in early morning. N.E'ly bteeze force 2/3 gradually increasing force 3/4 after 0600, falling off after 1800 to force 2. Cloudy to overcast day and evening.
7. Overcast in early morning with slight drizzle at 0630. Thunder 0500 to 0540. N.E'ly breeze force 2 gradually increasing force 4 1135, then gradually falling off force 2 2000. Half cloudy to overcast during day. Shower at 0935 and lightning 1930 to 2030. Maximum wind velocity 28 m.p.h. from N.E. at 1138.
8. Cloudy to overcast in early morning. Slight rain at 0505. N.E'ly breeze force 1/2 veering E. 0620 and increasing force 3 at 0830, veering S.S.E. 1055, increasing force 4/5 gusty, gradually backing S.E.x E. and falling off force 3/4 1700. Overcast morning with light rain at 1055, heavy shower from 1100 to 1110 and light shower at 1155. Cloudy afternoon and evening. Maximum wind velocity 34 m.p.h. from S.S.E. at 1425.
9. Overcast in early morning S.E.x E'ly breeze 3/4 gusty, falling off force 1 and backing N.E. 0400, veering E'ly after 0655 and increasing force 3/4 0900, backing N.E. 1935 and falling off force 2. Cloudy afternoon and evening.
10. Cloudy in early morning with light shower 0705. N.E'ly breeze force 1 veering E.S.E. 0620, increasing force 3/4 by 0900, gradually falling off and backing after 1700 to E. force 2 at 2120. Half to quarter cloudy all day and evening.
11. Clear and bright in early morning. Breeze variable and light to 0305 then E. force 2/3 gradually veering E.S.E. by 0610 and increasing force 3/4 at 0900. Light shower at 0305, overcast after 1500 with squall from E.S.E. 1510 to 1540 wind force 5/6 and slight shower, falling off calm 1550 to 1620 then E.S.E. force 2/3, backing N.E. and falling off force 1 1920 increasing force 2 and veering E.S.E. 2100. Clear evening.
12. Cloudy in early morning with light shower at 0700. E.S.E'ly breeze force 1/2 veering S.E. 0150 and increasing force 3/4, backing E.S.E. 0700, falling off force 3 1835. Variable sky all day.
13. Clear and bright in early morning becoming half cloudy after 0730. E.S.E'ly breeze force 2 backing E'ly at 0235, veering E.S.E. 0815 and increasing force 3/4 1030, falling off force 2 2010. Fine and bright during day and evening.
14. Cloudy in early morning. E'ly breeze force 2, veering E.S.E. and increasing force 3/4 0710, falling off force 2 2300. Cloudy during day and evening.
15. Clear and fine in early morning, slight drizzle at 0035 and 0335 to 0350. E.S.E'ly breeze force 2/3 veering S.E. and increasing force 3/4 1420, backing E.S.E. and falling off force 2/3 1910, falling off and backing to N'ly airs 2300. Bright day with excellent visibility and clear evening.
16. Bright and clear with excellent visibility in early morning. N'ly airs to 0805 then S.E'ly force 1/2 increasing force 3/4 1120, backing E.S.E. and falling off force 1/2 1825. Clear with excellent visibility all day.
17. Bright and clear in early morning with excellent visibility. E'ly breeze force 2/3 gradually veering E.S.E. and increasing force 3/4 1100, gradually backing E'ly and falling off force 1/2 2000 then variable force 1. Bright and clear all day with excellent visibility.

Date.

18. Cloudy in early morning, shower 0220. Variable airs and calm to 0815 then N.E'ly force 1/2, veering E.S.E. 1015 and increasing force 3/4, gradually backing and falling off after 1515 to N'ly airs at 1940. Bright and clear during day, with excellent visibility. Evening cloudy with shower 2355 to 0000
19. Light N'ly airs to 0658. Overcast in early morning, shower from 0820 to 0830. E.S.E'ly breeze force 2 gradually veering E.N.E. 1040, backed N.x E. suddenly and gradually veered E.x S. 1220, backing N.N.E. and veering E. by 1255 then E'ly falling off force 2/3 and backing E.N.E. 1900, backing N.E'ly at midnight. Cloudy to overcast all day with light showers to 1240.
20. Bright and quarter cloudy in early morning. N.E'ly breeze force 1/2 veering E.S.E'ly 1050, increasing force 3/4 gradually backing E'ly 1800 and falling off to N'ly airs 2025. Bright and clear all day and evening.
21. Bright and clear in early morning becoming cloudy after 0815. N'ly breeze force 1 to 0710 then gradually veering E'ly and increasing force 3/4 at 0935, gradually backing E.N.E'ly and falling off force 1/2 after 1810, backing and falling off to N.E'ly airs 2125. Cloudy during the day. Maximum wind velocity 27 m.p.h. from E.x S. at 1420.
22. Cloudy in early morning. N'ly airs to 0740 then E'ly force 2/3 increasing force 3/4 1150, backing E.N.E'ly and falling off force 1/2 1800, backing and falling off to N'ly airs 2030. Cloudy during the day. Clear evening.
23. Bright and clear in early morning, sky almost covered with Ci-st cloud. N'ly airs to 0740 then N.E'ly force 1/2 gradually increasing force 3/4 1210 falling off to N.E'ly airs 2135. Cloudy during day, clear evening. Distant lightning 1930 to 2100.
24. Overcast and ugly in early morning. N.E'ly breeze force increasing force 2 after 0705, veering E'ly 1010 and increasing force 2/3, backing N.E. 1450 and falling off force 2, veering E.N.E. 1555 and backing N.N.E. 2150. Overcast all day with light showers from 0815 to 1510.
25. Overcast in early morning. N.E'ly breeze force 1 gradually veering E.x S. and increasing force 4/5 by 1010, backing N.E'ly and falling off force 1/2 1855. Overcast all day with showers after 1740.
26. Overcast and showery in early morning. N.E'ly breeze force 2/3 falling off to calms and light airs 0320, becoming variable N.E'ly after 0815, increasing force 3/4 1650 and falling off off force 2/3 2010, backing N.N.E. 2140. Overcast all day with continuous moderate rain from 1000 to 20·25.
27. Overcast and gloomy in early morning. Showers at 0135 and from 0750 to 0800. N.N.E'ly breeze force 1/2 gradually increasing force 2/3 1010, falling off force 2 1600, gradually increasing force 3/4 2020. Overcast all day with continuous light rain from 0920 to 1030 and 1220 to 1430.
28. Overcast in early morning. Visibility excellent. Gentle N.E'ly breeze backing N.N.E. and increasing force 3/4 0500, suddenly backed N.N.W. and increased force 7 1432, veered N.N.E. and fell of to force 2/3 1505. Overcast with heavy rain from 1432 to 1437 then continuous moderate rain to 0000. Maximum wind velocity 35 m.p.h. from N.xW. at 1433.
29. Overcast in early morning with continuous moderate rain to 0135. Gentle N.N.E'ly breeze increasing force 3/4 0840, falling off force 2/3 and backing N.W.x N. 1610 veering N.E'ly and falling off to gentle breeze 1700. Overcast all day with continuous moderate rain from 1615 to 0000.
30. Bright and clear in early morning. Variable breeze to 0700 then N'ly force 2/3 increasing force 5 in squall from N.N.E. at 1155 then variable force 2/3 to 1435 then N.N.E'ly falling off to light airs 2140. Heavy rain with squall from 1155 to 1205. Cloudy after 0930 and clear evening.
31. Bright and clear in early morning with excellent visibility. N'ly airs to 0855 then variable force 2/3 gradually veering E.N.E. after 1215 and gradually backing N. after 1520 falling off to light N'ly airs 2100. Cloudy to overcast after 1030 with light showers at 1105 and 1150. Cloudy evening with lightning from 1900 to 2300 rather brilliant between 1930 and 2200.

ADDITIONAL NOTES.

A dry month, the rainfall of 5·51″ being 6·99″ below normal. Mean pressure at 8 a.m. 0·013″ above normal and the mean temperature 0·7° above normal. Weather unsettled from 1st to 4th as a slight depression centred near Vila passed westward, bright and fine until 24th when a slight depression centred near Vila moved slowly southward, reaching gale force at Norfolk Island on 29th causing unsettled conditions with heavy rain showers and slight squalls. Prevailing wind E.S.E.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LEVUKA FOR THE YEAR 1937.

Months.	Mean Pressure (Reduced to 32° Faht. 45° Lat. and M.S.L.)	Air Temperature. (F°.) Means of Dry bulb.	Wet bulb.	Max.	Min.	Mean	Absolute Max. and Min. Max.	Date.	Min.	Date.	Mean Dew point	Mean vap'r Pressure.	Mean Relative Humidity (Saturation=100)	Prevailing Wind, Direction.
January ..	29·728	83·7	80·6	89·0	75·6	82·3	98	7	68	22	79·2	34·3	86·7	N.
February .	29·730	82·4	78·7	87·4	75·9	81·6	90	6, 7	68	9	77·1	32·0	84·0	S.E.
March	29·756	81·3	77·7	88·0	74·5	81·3	98	11	70	15, 20	76·1	30·9	84·4	S.E.
April	29·904	81·5	78·0	87·0	75·3	81·2	93	15	73	9	76·8	31·5	85·7	N.
May	29·939	79·2	74·5	82·0	72·5	77·2	86	1, 4	70	13, 14, 17	72·4	27·2	79·6	S.E.
June	29·931	80·3	76·8	82·9	72·5	77·7	87	24	70	14, 21	75·3	30·0	84·8	S.E.
July	29·954	77·4	73·4	80·8	70·8	75·8	83	8, 11	68	13	71·7	26·4	82·4	S.E.
August ...	29·938	77·5	73·7	81·0	70·4	75·7	85	27, 28	63	12	71·9	26·7	82·6	S.E.
September	30·001	78·1	73·9	81·4	70·5	76·0	86	28	65	9	72·0	26·8	81·2	S.E.
October ..	29·948	78·4	74·7	81·3	71·4	76·3	85	18	66	19	73·0	27·7	83·4	S.E.
November	29·904	80·2	75·8	82·4	71·1	76·8	85	15	68	29	73·8	28·5	80·9	S.E.
December .	29·763	80·1	76·5	85·9	72·1	79·0	92	26	68	3	74·9	29·7	84·8	S.E.
Year ...	29·875	80·0	76·2	84·1	72·7	78·4	...	....	..	....	74·5	29·3	83·8	....

REMARKS.

Observer: Mr. J. Probert and Mr. G. Peck, Inspectors of Constabulary; Time of Observation, 8 a.m.; Position of Station, 17° 41′ S. Latitude 178° 49′ E. Longitude.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT NANDARIVATU FOR THE YEAR 1937.

Months.	Mean Pressure (Reduced to 32° Faht. 45° Lat. and M.S.L.)	Air Temperature. (F°.) Means of Dry bulb.	Wet bulb.	Max.	Min.	Mean	Absolute Max. and Min. Max.	Date.	Min.	Date.	Mean Dew point	Mean vap'r Pressure.	Mean Relative Humidity (Saturation=100)	Prevailing Wind Direction.
January ..	....	72·2	69·8	79·7	64·2	72·0	83	18	60	3, 8, 9, 11, 21	68·3	23·8	88·4	....
February..	....	71·0	69·7	82·3	63·9	73·1	85	5, 11, 16, 18	60	20	69·0	24·1	92·8	....
March	....	71·6	68·9	78·8	64·5	71·7	85	1, 2, 3, 4, 5	60	6, 8, 9, 11, 14	67·3	23·0	86·6	....
April	....	72·7	69·9	79·3	63·5	71·4	82	17	60	8, 10,	68·3	23·8	86·4	....
May	....	69·7	67·6	76·9	61·4	69·1	80	Various	57	Various	66·3	22·2	88·8	....
June	....	68·1	66·1	79·2	57·7	68·3	80	Various	50	6	64·9	21·1	89·9	....
July	....	65·1	62·8	72·7	60·7	66·7	75	Various	53	20	61·4	18·6	87·8	....
August ...	....	65·5	61·0	73·3	58·8	66·0	80	6	50	2, 13, 16	56·8	16·6	76·1	....
September	....	65·1	62·1	72·7	56·7	64·7	76	14, 15	51	4, 5	59·9	17·8	83·5	....
October ..	....	69·9	65·5	74·2	62·3	68·3	80	8, 9, 10, 30	57	1, 2	62·8	19·6	78·8	....
November.	....	69·7	66·9	77·2	61·2	69·2	80	Various	55	27, 28, 29	65·3	21·5	86·4	....
December .	....	70·6	67·5	77·7	63·8	70·8	81	8, 22	60	5, 13	65·6	21·7	88·4	....
Year ...	....	69·3	66·5	77·0	61·5	69·3	...	....	...	....	64·7	21·2	86·2	....

REMARKS.

Observer: District Commissioner, Tholo North. Time of Observation, 9 a.m.; Altitude, 2,740 feet.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MAKONGAI BY THE MEDICAL SUPERINTENDENT FOR THE YEAR 1937.

Months.	Mean Pressure in inches. (Reduced to 32° Faht. 45° Lat. and M.S.L.)		Air Temperature (F°)											Mean Dew Point. (Degrees)		Mean Vapour Pressure in Millibars.		Mean Relative Humidity (Saturation=100)		Mean Amount of Cloud. (0–10)	
			Mean Dry Bulb.		Mean Wet Bulb.		Means of		Mean	Absolute Max. and Min.											
							Max.	Min.		Max.	Date.	Min.	Date.								
	8h.	14h.	8h.	14h.	8h.	14h.								8h	14h	8h	14h	8h	14h.	8h	14h
January	29·760	29·709	82·4	87·0	79·5	81·6	88·2	75·8	82·0	92	28	69	21	78·3	79·5	33·1	34·6	87·6	78·9	6·6	5·6
February	29·765	29·703	81·9	86·8	77·8	79·0	88·7	75·4	82·1	91	4, 5	71	20	76·0	75·7	30·8	30·4	83·0	70·2	6·9	6·5
March	29·784	29·724	81·5	86·1	77·3	78·6	..	75·3	..	..	....	71	7	75·6	75·6	30·2	30·2	82·5	71·2	6·6	6·3
April	29·847	29·769	80·8	85·3	76·4	77·7	87·6	75·3	81·5	90	14, 22	71	28	74·5	74·4	29·2	29·1	81·8	70·4	6·0	5·1
May	29·921	29·855	78·4	82·1	74·4	75·7	84·6	73·8	79·2	88	1, 7	70	11, 12	72·5	72·6	27·4	27·6	82·4	74·0	7·1	6·7
June	29·930	29·862	77·7	81·8	73·9	75·0	84·3	72·6	78·4	87	25, 26	69	20	72·1	71·8	26·9	26·8	83·3	73·0	5·5	6·2
July	29·961	29·886	74·9	80·0	71·3	73·9	81·9	70·4	76·2	86	7	67	29, 30	69·4	70·9	24·7	26·0	83·6	74·6	7·6	6·3
August	29·938	29·870	75·6	79·4	73·0	75·1	81·4	70·6	76·0	86	7, 26, 27, 28	64	13	71·8	73·1	26·7	28·0	88·2	81·4	6·8	7·1
September	30·021	29·952	75·8	80·0	71·7	74·4	81·9	70·3	76·1	86	7	65	9	69·6	71·8	24·8	26·7	81·3	76·3	7·2	6·4
October	29·947	29·887	78·2	82·6	74·0	75·4	83·6	72·5	78·0	87	5, 7, 8	69	1, 23	72·1	72·1	26·8	26·9	81·6	71·3	7·7	6·4
November.....	29·900	29·847	80·3	83·2	73·6	74·8	84·8	72·3	78·5	89	26	69	1	70·3	70·7	25·4	25·7	72·0	66·5	6·5	5·9
December	29·829	29·801	79·8	83·7	74·4	75·7	84·5	73·3	78·9	87	Various	68	1	71·8	72·1	26·8	26·2	77·6	68·8	6·4	5·7
Year	29·884	29·825	78·9	83·2	74·8	76·4	84·7	73·1	78·8	..	....	..	....	72·8	73·4	27·7	28·2	82·1	73·1	6·7	6·2
Mean ...	8h. and 14h. 29·854		..	..	..	..	..	..	..	..	....	..	....	..	..	..	..	..	..	..	..

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MAKONGAI BY THE MEDICAL SUPERINTENDENT FOR THE YEAR 1937.—*continued.*

Months.	Total Rainfall (Inches.)	Sunshine. (Hours and Tenths.)		Miles of Wind.		Weather. No. of days of							Wind. Number of Observations.																	
		Total.	Mean daily	Total.	Mean velocity (m.p.h.)	Hail.	Thunder-storms.	Gales.	Clear Sky		Overcast		N		N.E.		E.		S.E.		S.		S.W.		W.		N.W.		Calms.	
									8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h.	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h
January	6·75	...	...	....	...	0	3	0	0	2	9	6	2	3	10	11	14	10	1	2	2	0	0	2	1	0	0	0	1	2
February	11·50	...	...	....	...	0	1	0	0	0	9	9	9	5	4	8	6	4	0	1	1	3	0	1	4	1	0	4	2	1
March	14·56	...	...	....	...	0	2	0	0	2	9	8	2	3	8	14	11	5	1	0	1	0	1	3	3	4	1	1	2	0
April	6·16	...	...	....	...	0	4	0	0	2	9	5	4	1	5	14	11	8	1	1	0	0	0	1	1	0	1	1	5	1
May	8·16	...	...	....	...	0	2	0	0	0	14	10	2	4	6	10	18	11	3	3	0	0	0	1	0	0	0	1	1	1
June	1·55	...	...	....	...	0	1	0	2	1	5	8	1	0	8	8	15	16	1	2	0	0	1	0	0	1	0	1	3	2
July	1·72	...	...	....	...	0	0	0	0	1	10	8	0	0	8	5	15	14	2	4	0	0	1	4	0	1	0	0	2	3
August	3·75	...	...	....	...	0	0	0	1	0	10	13	0	1	4	7	19	12	2	4	1	2	1	1	1	2	0	0	2	2
September	1·01	...	...	....	...	0	0	0	0	2	14	9	0	0	7	6	18	17	2	4	1	0	0	1	1	1	0	0	0	1
October	5·01	...	...	....	...	0	1	0	0	0	15	10	0	1	3	7	17	7	4	4	2	1	0	1	0	2	0	1	5	2
November.....	7·15	...	...	....	...	0	0	0	0	2	6	8	1	1	7	7	12	13	3	4	1	0	0	0	0	2	0	0	1	0
December	8·85	...	...	....	...	0	0	0	2	2	10	6	0	1	5	9	17	8	5	3	0	0	1	2	0	2	0	0	2	1
Year ...	76·17	...	...	....	...	0	14	0	5	14	120	100	21	20	75	106	173	125	25	32	9	6	5	17	11	16	2	9	26	16
Mean ..	...	...	...	....	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ROTUMA BY THE ACTING RESIDENT COMMISSIONER FOR THE YEAR 1936.—*continued.*

Months.	Mean Pressure in inches. (Reduced to 32° Fahr. 45° Lat. and M.S.L.)		Air Temperature (F°)											Mean Dew Point. (Degrees)		Mean Vapour Pressure in Millibars.		Mean Relative Humidity (Saturation=100)		Mean Amount of Cloud. (0–10)	
			Mean Dry Bulb.		Mean Wet Bulb.		Means of		Mean	Absolute Max. and Min.											
							Max.	Min.		Max.	Date.	Min.	Date.								
	8h.	14h.	8h.	14h.	8h.	14h.								8h	14h	8h	14h	8h	14h.	8h	14h
December	29·781	29·739	82·2	84·2	77·6	78·3	87·0	74·9	80·9	90	26	70	15	76·0	75·2	30·2	30·1	81·0	76·0	5·9	6·3
Year	29·831	29·779	81·4	84·0	77·1	78·2	86·1	75·4	80·8	..	....	..	....	75·2	75·8	29·9	30·4	82·0	76·5	5·9	6·1
Mean ...	8h. and 14h. 29·805		..	..	..	..	..	..	..	..	....	..	....	..	..	..	..	..	..	..	..

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ROTUMA BY THE ACTING RESIDENT COMMISSIONER FOR THE YEAR 1937.

January	29·733	29·694	83·8	85·1	79·2	79·5	87·5	75·9	81·7	90	6	72	8, 22	78·0	77·0	32·4	32·0	81·0	77·5	6·0	6·4
February	29·774	29·728	82·0	83·6	78·1	78·8	85·6	74·5	80·0	90	1, 3, 24	72	6, 9, 15	76·0	77·0	31·0	31·6	83·5	80·0	6·5	6·9
March	29·782	29·731	81·9	85·2	77·8	78·8	86·8	75·0	80·9	89	30	71	5, 22	75·8	76·0	31·0	30·4	82·5	75·0	6·0	5·9
April	29·827	29·773	82·6	84·9	78·5	79·2	86·8	75·2	81·0	89	2	72	7	77·0	77·0	32·1	32·0	82·5	77·0	5·1	5·8
May	29·885	29·831	81·6	83·4	76·9	77·8	85·7	74·4	80·0	88	2	70	4	75·8	75·0	30·0	29·8	80·5	77·0	5·4	6·1
June	29·876	29·816	80·8	84·3	77·0	78·1	85·8	74·4	80·1	88	9	69	17	75·0	75·6	29·9	30·1	83·5	75·0	5·9	5·4
July	29·886	29·831	79·9	82·6	75·7	76·6	83·5	73·8	78·6	86	4	71	30	74·0	73·7	28·7	28·6	82·0	75·4	6·4	6·3
August	29·874	29·820	79·9	82·7	76·0	77·2	83·5	73·2	78·3	87	29	70	2, 16	74·0	75·0	29·1	29·5	83·0	77·0	5·7	5·9
September	29·928	29·872	80·5	82·0	76·3	76·7	83·0	73·1	78·0	85	7	78	2	75·0	74·0	29·5	29·5	82·3	78·6	6·1	6·9
October	29·896	29·836	81·7	84·1	77·7	78·8	84·9	73·8	79·3	88	18, 23	71	20, 21, 30, 31	76·0	76·0	30·9	31·9	83·4	78·4	6·3	6·1
November.....	29·827	29·779	81·5	83·0	77·3	77·8	88·8	73·6	81·2	87	12, 27	68	2	76·0	76·0	30·2	30·1	82·1	78·4	6·2	6·4
December	29·777	29·737	80·4	82·9	76·5	77·3	84·2	73·5	78·8	88	12	69	4	74·0	75·0	29·8	29·8	83·3	76·4	7·5	7·5
Year	29·839	29·787	81·4	83·7	77·2	78·1	85·5	74·2	79·8	..	....	..	....	75·1	75·6	30·4	30·4	82·5	77·4	6·1	6·3
Mean ...	8h. and 14h. 29·813		..	..	..	..	..	..	..	..	....	..	....	..	..	..	..	..	..	..	..

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ROTUMA BY THE ACTING RESIDENT COMMISSIONER FOR THE YEAR 1936.—*continued.*

Months.	Total Rainfall (Inches.)	Sunshine. (Hours and Tenths.)		Miles of Wind.		Weather. No. of days of							Wind. Number of Observations.																	
		Total.	Mean daily	Total.	Mean velocity (m.p.h.)	Hail.	Thunder-storms.	Gales.	Clear Sky		Overcast		N		N.E.		E.		S.E.		S.		S.W.		W.		N.W.		Calms.	
									8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h.	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h
December	15·23	230·5	7·6	....	...	..	..	..	..	..	..	..	1	0	1	4	12	13	12	12	2	2	0	0	0	0	0	0	3	0
Year ...	129·43	2490·6	6·8	....	...	..	..	..	..	..	..	..	23	34	27	29	99	79	135	120	17	19	14	11	6	13	13	21	32	5
Mean ..	...	...	...	....	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ROTUMA BY THE ACTING RESIDENT COMMISSIONER FOR THE YEAR 1937.—*continued.*

January	11·35	227·3	7·3	....	...	..	..	..	..	..	..	..	4	6	9	8	10	6	1	2	0	0	0	0	1	3	3	6	3	0
February	21·37	159·7	5·7	....	...	..	..	..	..	..	..	..	2	4	5	3	5	2	3	4	1	0	3	4	2	1	7	8	0	2
March	7·27	213·8	6·9	....	...	..	..	..	..	..	..	..	2	4	6	8	5	7	2	4	1	0	0	0	0	1	3	5	12	0
April	7·09	219·2	7·3	....	...	..	..	..	..	..	..	..	1	2	6	9	10	7	7	5	0	0	0	0	0	0	0	2	6	1
May	9·90	218·9	7·1	....	...	..	..	..	..	..	..	..	2	1	7	6	9	10	8	6	0	0	0	0	0	1	1	1	4	2
June	6·50	209·9	7·0	....	...	..	..	..	..	..	..	..	0	0	5	4	14	18	10	5	0	0	0	0	0	0	0	0	1	2
July	5·58	217·6	7·0	....	...	..	..	..	..	..	..	..	0	0	0	0	15	14	13	16	1	0	0	0	0	0	1	1	1	0
August	9·15	225·8	7·3	....	...	..	..	..	..	..	..	..	0	1	5	7	12	12	9	8	2	2	1	1	0	0	0	0	2	0
September	14·76	206·3	6·8	....	...	..	..	..	..	..	..	..	0	2	1	2	21	17	6	9	0	0	0	0	0	0	0	0	2	0
October	11·03	218·0	7·0	....	...	..	..	..	..	..	..	..	3	1	6	3	15	13	3	5	0	2	0	1	0	1	1	4	3	0
November.....	19·77	214·9	7·9	....	...	..	..	..	..	..	..	..	3	2	5	11	15	7	6	8	0	0	0	0	0	0	0	0	1	2
December	16·38	142·0	4·6	....	...	..	..	..	..	..	..	..	3	7	7	10	6	3	9	6	1	1	0	1	0	1	1	1	4	1
Year ...	140·15	2473·4	6·8	....	...	..	..	..	..	..	..	..	20	30	62	71	137	116	77	78	6	5	4	7	3	8	17	28	39	10
Mean ..	...	...	...	....	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

RETURN OF MAXIMUM, MINIMUM AND MEAN TEMPERATURES, WITH ABSOLUTE MAXIMUM AND MINIMUM AND DATES OF THEIR OCCURRENCE, AT FIVE STATIONS CONTROLLED BY THE COLONIAL SUGAR REFINING CO., LTD.

Months.	Mean Max.	Mean Min.	Mean	Abs. Max.	Date.	Abs. Min.	Date.	Mean Max.	Mean Min.	Mean.	Abs. Max.	Date.	Abs. Min.	Date.
	LABASA.							LAUTOKA.						
January ..	87·5	72·8	80·2	92	30	70	4, 5, 20	86·9	73·1	80·0	89	5, 8, 16, 17,	70	13, 20
February .	87·7	73·3	80·5	92	1,2,3	70	26	86·5	74·4	80·4	91	3	72	22
March	88·3	72·0	80·2	92	3	70	2, 6, 17, 30	86·8	72·9	79·8	90	8, 9	70	15, 16, 31
April	87·7	71·5	79·6	92	21	68	3, 24	86·2	72·8	79·5	89	16	69	2
May	85·2	70·4	77·8	90	1	64	10	85·9	71·5	78·7	89	16, 17, 19	68	10
June	84·6	69·0	76·8	88	24, 25	64	17	85·7	70·2	77·9	88	29	65	11
July	83·2	66·5	74·9	88	2	60	30	84·5	66·8	75·6	89	15	61	29
August ...	84·1	67·4	75·7	88	26	60	13, 14	84·3	67·4	75·8	89	28	61	13
September	84·1	66·8	75·5	88	29	56	21	83·5	66·4	74·9	86	14, 18	62	20, 22
October ..	87·6	71·5	79·6	92	11	68	8, 11, 12	86·7	70·6	78·5	94	27	65	19
November.	87·3	69·2	78·3	92	13	64	22, 24	88·3	71·6	79·9	91	15, 16	68	19
December	87·4	70·4	78·9	90	Various	64	17, 18	87·2	71·3	79·2	90	Various	68	13, 16
Year ..	86·2	70·1	78·2	..	....	..	....	86·0	70·8	78·4	..	....	..	....
	NAUSORI.							PENANG.						
January ..	87·9	74·0	80·9	92	27, 29	68	20	89·7	75·8	82·7	94	15	73	19, 20
February .	88·3	74·1	81·2	91	4, 5, 17, 18, 27	72	9, 27	89·4	75·5	82·5	97	13	71	25
March	87·4	72·4	79·9	92	11	69	22	88·8	74·2	81·5	94	11	70	13, 14
April	86·1	72·0	79·0	92	20	70	2, 8, 9, 10, 26	87·9	74·4	81·2	93	14	71	10, 11, 27
May	83·1	70·8	77·0	89	22	64	8	84·9	72·5	78·7	92	27	68	12
June	82·8	68·8	75·8	87	3, 25	63	12	84·5	70·3	77·4	90	25	62	13
July	78·4	67·3	72·8	85	1, 17	64	19, 28, 29, 31	82·1	68·2	75·1	87	2, 4	64	26, 27, 29, 30
August ...	78·4	67·0	72·7	85	30	59	13	82·7	69·3	76·0	88	27, 29, 31	59	11
September	77·8	66·1	71·9	83	7	59	20	84·4	67·8	76·1	88	26	63	20, 21, 22
October ..	81·4	70·3	75·8	88	16	65	1	86·9	71·6	79·3	94	6	65	16
November.	82·0	70·6	76·3	88	13	66	20	87·1	72·2	79·7	93	15	68	21
December	83·7	71·5	77·6	89	31	68	Various	86·7	75·2	79·6	89	6, 7, 8, 27	69	20
Year ..	83·1	70·4	76·7	..	....	..	....	86·3	72·2	79·2	..	....	..	....

Months.	Mean Max.	Mean Min.	Mean.	Abs. Max.	Date.	Abs. Min.	Date.
	RARAWAI.						
January ..	88·6	72·3	80·5	95	17	69	6, 12, 13
February .	87·9	72·7	80·3	93	3	71	1, 2, 21, 28
March	89·5	71·3	80·4	95	9	66	16
April	89·0	70·4	79·7	92	4, 15, 16, 17	66	2, 3, 4
May	89·2	67·3	77·2	90	1, 2, 3, 14, 15	60	8
June	86·4	65·3	75·8	92	1	60	13
July.....	85·0	62·9	74·0	90	1, 24	56	29
August ...	85·6	63·7	74·6	92	26	55	13
September	86·3	63·6	75·0	91	12, 13	56	20
October...	88·1	69·1	78·6	93	8	63	19
November	90·0	69·4	79·7	95	11	63	21
December	88·8	69·1	79·2	93	16	62	17
Year ..	87·7	68·1	77·9	..	....	..	...

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1937.

Rainfall measured in Points: 100 points=1″. a=total rainfall; b=average rainfall; c=No. of wet days; d=average No. of wet days; e=amount and date of wettest day.

Name of Station and Observer.	Province and Island.	Approximate height above M.S.L.	No. of years.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Bemana	Colo West			a	....	....	....	....	....	....	....	....	180	717	416	663	....
	Viti Levu.			c	....	....	....	....	....	....	....	....	5	8	5	3	....
				e	....	....	....	....	....	....	....	....	131 on 5th	380 on 5th	180 on 15th	471 on 31st	....
Buresala	Lomaiviti		2	a	902	1492	990	1185	949	197	469	804	300	....	....	....	....
L. V. Wilkinson	Ovalau		2	c	15	25	20	22	22	12	19	17	10	....	....	....	....
				e	269 on 20th	345 on 15th	181 on 20th	235 on 27th	205 on 6th	89 on 28th	57 on 11th	170 on 20th	82 on 29th	....	....	....	....
Delainasau	Bua	71	18	a	2518	1047	1801	831	1199	599	124	134	....	600	1233	878	10964
L. N. Anderson.	Vanu Levu.			b	1369	1540	1688	961	725	224	170	174	163	374	721	1064	9137
			18	c	24	14	19	11	14	5	2	4	....	6	10	13	122
				d	14	14	17	11	8	3	2	3	2	3	7	9	92
				e	466 on 9th	246 on 3rd	187 on 11th	190 on 7th	208 on 7th	350 on 24th	76 on 14th	46 on 10th	....	168 on 16th	273 on 12th	164 on 19th	466 on 9/1/37
Deloi	Cakaudrove	51	23	a	847	1149	1403	684	727	184	60	749	146	440	498	1695	8582
A. McKenzie.	Vanua Levu.			b	984	1223	1198	1100	875	398	281	350	415	551	900	1157	9440
			23	c	14	15	17	23	12	8	4	8	5	12	11	11	140
				d	13	12	14	13	8	5	4	6	6	8	8	11	107
				e	225 on 9th	363 on 7th	305 on 14th	208 on 7th	260 on 16th	57 on 30th	33 on 4th	250 on 9th	65 on 29th	165 on 26th	285 on 30th	265 on 1st	363 on 7/2/37
Devo	Cakaudrove	70	10	a	870	1340	1515	735	785	....	....	747	....	550	....	....	....
R. S. Lyons.	Vanua Levu.			b	1158	1334	1240	1145	927	....	....	455	....	759	....	....	....
			10	c	17	12	12	10	11	....	....	6	....	12	....	....	....
				d	14	12	15	11	12	....	....	6	....	7	....	....	....
				e	170 on 8th	600 on 13th	590 on 20th	140 on 25th	280 on 16th	....	....	215 on 29th	....	305 on 29th	....	....	....
Kanacea	Lau	..	12	a	676	782	775	854	956	302	249	804	96	159	282	518	6453
H. P. Little.	Kanacea			b	941	713	866	509	771	209	216	365	383	407	508	639	6612
			11	c	17	19	15	9	8	7	9	14	6	12	5	13	134
				d	14	12	13	11	10	6	5	9	7	8	9	11	114
				e	140 on 19th	167 on 8th	150 on 8th	308 on 8th	302 on 4th	185 on 30th	115 on 16th	315 on 20th	78 on 18th	42 on 25th	161 on 30th	191 on 2nd	315 on 28/8/37
Katafaga	Lau	8	16	a	556	729	839	425	560	117	124	512	29	278	116	551	4836
T. O .U. Stockwell.	Katafaga.			b	843	710	919	675	646	316	227	363	301	398	490	453	6339
			7	c	17	17	20	8	11	7	10	17	4	13	8	10	142
				d	16	13	15	12	12	9	7	9	7	9	9	10	127
				c	149 on 19th	198 on 10th	186 on 8th	140 on 9th	211 on 16th	54 on 9th	66 on 17th	125 on 17th	12 on 8th	111 on 27th	47 on 28th	228 on 28th	228 on 28/12/37
Lakeba	Lau	87	12	a	585	771	660	935	695	1010	830	704	646	830	322	....	....
H. Hickling.	Lakeba.			b	850	782	1080	856	733	402	407	394	320	561	727	....	....
			12	c	16	20	13	12	10	13	11	10	12	15	8	....	....
				d	17	17	19	16	15	12	11	11	10	12	12		
				e	....	191 on 6th	150 on 27th	146 on 22nd	243 on 6th	149 on 22, 28	149 on 9th	154 on 10th	137 on 14th	114 on 26th	70 on 28th	....	....
Labasa	Macuata	15	43	a	1624	1362	1007	502	506	193	16	390	196	293	602	852	7543
Manager, C.S.R. Co., Lrd.	Vanua Levu.			b	1304	1430	1402	828	474	205	170	178	261	362	596	969	8166
			27	c	26	25	22	9	12	8	5	10	6	12	6	11	152
				d	17	17	17	12	10	5	5	6	7	8	10	14	130
				e	318 on 9 & 10	482 on 13th	....	139 on 27th	124 on 6th	54 on 23rd	5 on 18th	101 on 9th	156 on 29th	165 on 22nd	408 on 30th	252 on 26th	482 on 13/2/37
Lautoka	Ba		37	a	1010	1608	436	207	557	259	53	654	37	155	85	1674	6735
Manager, C.S.R. Co., Ltd.	Viti Levu.			b	917	1270	1247	609	450	198	203	333	218	334	422	753	6955
			29	c	16	16	14	9	7	4	2	7	3	10	3	13	104
				d	14	14	16	11	8	5	5	6	5	8	8	11	111
				e	273 on 18th	420 on 15th	80 on 16th	47 on 21st	270 on 15th	238 on 23rd	48 on 18th	287 on 28th	30 on 16th	35 on 16th	60 on 30th	478 on 29th	478 on 29/12/37
Lawaqa	Nadroga	15	31	a	837	845	553	1025	291	124	355	854	145	712	53	885	6679
District Commissioner.	Viti Levu.			b	854	900	1017	628	546	314	349	511	310	371	502	652	6955
			31	c	15	22	10	11	7	4	7	12	5	10	1	12	116
				d	13	13	14	9	9	6	7	8	6	7	7	10	109
				e	200 on 8th	210 on 13th	....	544 on 8th	146 on 6th	50 on 23rd	101 on 1st	214 on 9th	44 on 7th	430 on 5th	53 on 30th	265 on 37th	544 on 8/4/37

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1937.—*continued.*

Rainfall measured in Points: 100 points=1". a=total rainfall; b=average rainfall; c=No. of wet days; d=average No. of wet days; e=amount and date of wettest day.

Name of Station and Observer.	Province and Island.	Approximate height above M.S.L.	No. of years.		January.	February.	March.	April.	May.	June.	July	August.	September.	October.	November.	December.	Year.
Levuka	Lomaiviti	8	43	a	520	1439	1616	1779	1110	209	299	931	324	662	553	1370	10812
J. Probert.	Ovalau.			b	907	1084	1227	1051	791	413	390	533	517	576	815	885	9187
			43	c	7	14	13	21	19	6	16	17	6	17	10	12	158
				d	17	18	20	18	16	12	12	13	13	12	14	15	181
				e	245 on 20th	430 on 16th	267 on 20th	387 on 22nd	462 on 5th	152 on 12th	68 on 3rd	360 on 18th	116 on 8th	164 on 15th	396 on 16th	319 on 30th	462 on 5/5/37
Makogai	Lomaiviti	12	24	a	677	1150	1456	616	816	155	172	375	101	501	715	885	7619
Medical Superintendent.	Makogai.			b	770	867	1038	938	682	312	282	362	354	418	582	917	7521
			23	c	13	19	17	16	18	14	16	14	10	15	8	15	175
				d	16	16	18	15	14	10	9	11	11	10	10	14	154
				e	205 on 21st	288 on 16th	725 on 21st	251 on 28th	232 on 7th	86 on 29th	41 on 18th	122 on 21st	32 on 30th	167 on 16th	215 on 17th	565 on 29th	725 on 21/3/37
Mago	Lau		10	a	509	902	1045	1224	1144	168	246	1113	80	321	234	456	7442
H. Powell.	Mago.			b	773	831	1132	786	857	245	302	402	299	495	652	565	7337
			10	c	17	23	19	11	14	11	17	18	9	13	12	15	179
				d	14	13	15	13	12	9	8	10	7	8	9	11	129
				e	134 on 19th	294 on 10th	160 on 19th	784 on 7th	505 on 4th	45 on 10th	56 on 2nd	393 on 20th	36 on 18th	125 on 26th	80 on 29th	165 on 27th	784 on 7/4/37
Mua	Cakaudrove	200	18	a	646	1302	1688	729	1227	277	421	1052	228	839	1093	978	10480
S. A. Bull.	Taveuni.			b	1239	1344	1131	1272	1174	473	423	487	589	808	1110	1158	11209
			18	c	18	18	20	13	16	9	11	13	9	17	13	13	170
				d	18	17	17	15	14	11	10	12	11	13	14	16	168
				e	140 on 19th	469 on 13th	900 on 20th	445 on 8th	300 on 16th	84 on 14th	214 on 2nd	492 on 9th	85 on 29th	480 on 29th	525 on 30th	172 on 27th	900 on 20/3/37
Munia	Lau	6	42	a	697	444	768	1076	735	127	173	438	99	122	187	430	5926
Miss G. Steinmetz.	Munia			b	800	760	884	767	610	391	264	369	339	476	567	641	6870
			31	c	15	17	15	15	11	8	9	12	8	9	6	8	133
				d	18	17	20	16	14	12	11	12	11	10	11	16	168
				e	140 on 11th	94 on 9th	165 on 14th	356 on 9th	264 on 17th	60 on 9th	45 on 15th	123 on 17th	46 on 18th	49 on 25th	116 on 30th	145 on 2nd	356 on 9/4/37
Nailaga	Ba	15	8	a	1292	1271	751	379	175	171	44	217	6	142	98	1243	5789
Miss J. C. Barton.	Viti Levu.			b	929	1545	1579	704	302	77	210	195	202	271	440	529	6896
			8	c	15	14	11	9	5	5	1	5	2	7	3	11	88
				d	11	12	14	10	7	2	3	3	4	5	8	9	88
				e	229 on 18th	366 on 15th	115 on 21st	150 on 12th	47 on 5th	114 on 24th	44 on 17th	126 on 29th	5 on 7th	49 on 15th	86 on 26th	212 on 25th	366 on 15/2/37
Naitauba	Lau	15	18	a	605	800	908	605	941	634	273	969	90	423	561	852	7661
G. M. Hennings.	Naitauba.			b	918	892	969	897	792	317	277	437	367	511	695	809	7881
			18	c	20	15	19	9	14	7	9	11	8	13	9	12	146
				d	15	14	16	13	11	8	8	9	8	9	11	12	134
				e	258 on 19th	435 on 13th	239 on 8th	230 on 8th	482 on 6th	306 on 9th	95 on 1st	254 on 17th	37 on 25th	119 on 25th	332 on 30th	330 on 2nd	482 on 6/5/37
Naitonitoni	Serua (Navua)	8	21	a	949	791	1996	1000	1249	386	1180	948	1720	1086	761	426	12492
District Commissioner.	Viti Levu.			b	1169	1168	1372	1349	1201	811	623	799	871	995	1196	1302	12857
			21	c	16	9	7	5	14	5	16	12	13	15	12	15	139
				d	16	16	18	16	15	11	12	13	13	12	14	15	170
				e	140 on 20th	250 on 9th	846 on 20th	400 on 27th	250 on 7th	155 on 30th	150 on 10th	170 on 12th	300 on 13th	250 on 6th	117 on 29th	120 on 29th	846 on 20/3/37
Nabavatu	Lau		2	a	800	809	1129	Station transferred to D.C. Lomaloma on 23/4/37.	878	126	202	778	90	259	192	469	....
K. J. Allardyce and District Commissioner.	Vanua Balavu.		2	c	18	21	25		13	8	11	15	11	16	8	15	....
				e	426 on 19th	195 on 8th	172 on 14th		273 on 4th	56 on 8th	59 on 2nd	350 on 20th	34 on 15th	43 on 24th	85 on 29th	117 on 2nd	....
Nabouwalu	Bua		19	a	1768	1322	928	1067	684	222	322	682	345	468	890	1176	9874
G. B. Toganivalu.	Vanua Levu.			b	1287	1498	1344	1035	841	411	379	449	558	698	798	1153	10453
			16	c	18	16	18	14	14	9	9	6	6	8	9	14	141
				d	13	16	16	14	12	8	8	8	7	7	8	9	125
				e	289 on 3rd	365 on 15th	296 on 14th	252 on 8th	214 on 21st	71 on 8th	132 on 15th	340 on 20th	161 on 28th	138 on 15th	335 on 30th	230 on 26th	365 on 1/2/37

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1937.—*continued.*

Rainfall measured in Points: 100 points=1″. a=total rainfall; b=average rainfall; c=No. of wet days; d=average No. of wet days; e=amount and date of wettest day.

Name of Station and Observer.	Province and Island.	Approximate height above M.S.L.	No. of years.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Nandarivatu	Colo North	2,740	37	a	1427	3210	1289	1500	1129	312	256	587	184	384	325	1669	12272
District Commissioner.	Viti Levu.			b	2125	2601	2475	1275	729	335	368	556	428	506	813	1582	13794
			31	c	23	26	23	22	20	16	14	14	9	22	10	16	225
				d	20	21	24	17	14	9	7	9	9	11	14	19	174
				e	230 on 28th	641 on 16th	243 on 17th	410 on 29th	311 on 4th	155 on 24th	83 on 18th	320 on 30th	68 on 8th	84 on 17th	120 on 17th	611 on 30th	641 on 16/2/38
Nasinu	Rewa		7	a	1314	1002	1495	943	1433	287	619	1092	409	956	560	788	10898
H. R. Surridge.	Viti Levu.			b	1257	1400	1793	1304	1376	390	751	762	770	1156	1294	1187	13442
			7	c	21	24	25	24	27	18	28	21	17	21	19	19	264
				d	22	20	25	23	22	16	18	17	16	20	20	19	238
				e	324 on 9th	235 on 15th	368 on 14th	182 on 25th	443 on 6th	57 on 30th	110 on 23rd	300 on 9th	110 on 29th	495 on 29th	215 on 30th	152 on 29th	443 on 6/5/37
Nausori	Tailevu	23	43	a	1217	1252	1824	969	1748	276	349	899	284	839	450	702	10809
Manager, C.S.R. Co., Ltd.	Viti Levu.			b	1230	1269	1425	1201	1043	594	476	643	646	820	919	1279	11571
			28	c	21	23	21	19	21	14	22	16	11	15	14	16	213
				d	21	21	23	20	19	16	16	16	18	16	17	19	220
				e	316 on 9th	242 on 15th	386 on 19th	203 on 8th	763 on 3rd	69 on 23rd	47 on 2nd	275 on 9th	110 on 18th	346 on 29th	178 on 30th	168 on 26th	763 on 3/5/37
Naviti	Yasawa		3	a	858	1295	755	313	827	109	322	451	40	....	88	1359	6417
Capt. F. Giblin.	Naviti.		3	c	10	12	10	7	8	4	7	7	3	....	3	12	83
				e	251 on 9th	488 on 15th	193 on 14th	117 on 9th	216 on 15th	68 on 11th	211 on 2nd	166 on 20th	....	....	73 on 30th	373 on 25th	488 on 15/2/37
Navo	Nadi		36	a	1388	1329	307	155	126	252	20	548	29	290	155	888	5197
Manager, C.S.R. Co., Ltd.	Viti Levu.			b	924	1122	1077	504	373	203	207	328	224	294	400	735	6383
			28	c	20	23	17	9	8	4	1	5	2	7	5	12	113
				d	13	14	15	9	7	4	4	5	4	6	8	11	98
				e	200 on 3rd	324 on 15th	110 on 7th	32 on 8th	35 on 3rd	208 on 23rd	20 on 17th	229 on 20th	20 on 17th	....	44 on 30th	200 on 30th	324 on 15/2/37
Navuso	Naitasiri	24	6	a	1610	1156	1464	1653	1380	302	472	969	273	978	600	1403	12260
B. E. Parham and	Viti Levu.			b	1314	1243	1341	1692	1542	385	609	657	795	1090	1254	1666	13295
V. C. Raiqiso.			6	c	21	20	20	21	23	16	24	20	10	18	16	21	230
				d	20	20	23	21	22	18	17	17	15	17	18	20	227
				e	271 on 20th	265 on 15th	256 on 14th	303 on 25th	485 on 4th	96 on 15th	111 on 22nd	291 on 10th	81 on 19th	246 on 30th	363 on 16th	373 on 27th	485 on 4/5/37
Nayavu	Ra		3	a	920	1253	1510	956	995	393	387	643	216	1440	838	1289	10840
G. H. Morris.	Viti Levu.		3	c	20	22	23	12	13	12	13	20	11	19	11	15	191
				e	320 on 20th	302 on 13th	150 on 16, 27	360 on 27th	220 on 5th	62 on 24th	90 on 10th	145 on 9th	64 on 13th	256 on 29th	290 on 10th	248 on 29th	360 on 27/5/37
Penang	Ra		53	a	1219	1443	439	658	385	212	71	173	55	196	227	1329	6407
Manager, C.S.R. Co., Ltd.	Viti Levu.			b	1144	1472	1299	976	512	276	205	296	241	344	515	877	8168
			32	c	17	20	14	17	10	7	4	6	7	12	9	12	135
				d	15	16	18	14	11	7	7	7	7	8	10	12	132
				e	203 on 10th	328 on 16th	106 on 15th	125 on 1st	134 on 17th	46 on 28, 30	28 on 18th	125 on 29th	24 on 7th	62 on 15th	140 on 30th	320 on 29th	328 on 16/2/37
Qaraituva	Namosi		1	a	1166	786	1390	1366	1062	182	700	939	697	1013	367	789	10457
Sister St. Dorothy.	Viti Levu.		1	c	23	26	27	23	24	7	20	18	14	15	9	18	244
				e	216 on 8th	144 on 19th	400 on 19th	404 on 14th	316 on 4th	59 on 28th	105 on 10th	159 on 30th	....	293 on 30th	88 on 15th	150 on 1st	404 on 14/4/37
Rabe	Cakaudrove	110	33	a	712	1454	1463	1221	1379	444	256	1559	224	678	693	1887	11940
S. G. Lyons.	Rabe.			b	1542	1556	1610	1541	1254	639	407	615	680	813	1119	1539	13316
			32	c	17	18	14	11	14	7	8	12	6	15	10	14	146
				d	19	18	19	18	17	13	12	12	13	12	14	17	183
				e	150 on 10th	450 on 14th	524 on 21st	284 on 8th	546 on 17th	175 on 10th	49 on 23rd	897 on 6th	103 on 15th	263 on 30th	430 on 30th	473 on 1st	897 on 6/8/37
Rarawai	Ba		43	a	1454	1623	561	544	342	254	39	315	20	240	286	1191	6869
Manager, C.S.R. Co., Ltd.	Viti Levu.			b	1174	1656	1398	778	404	222	194	297	247	350	480	887	8088
			32	c	20	16	16	11	6	5	2	6	2	9	3	13	109
				d	15	17	16	12	8	6	4	5	5	7	9	13	118
				e	347 on 31st	394 on 15th	80 on 24th	112 on 5th	128 on 6th	190 on 23rd	26 on 17th	128 on 28th	17 on 7th	121 on 16th	255 on 26th	242 on 29th	394 on 15/2/37

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1937.—*continued.*

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Name of Station and Observer.	Province and Island.	Approximate height above M.S.L.	No. of years.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Richmond	Rewa		23	a	756	812	647	810	480	137	483	526	145	186	141	856	5979
Miss K. Knight	Kadavu.			b	714	769	751	622	675	300	314	524	302	440	356	464	6232
			23	c	19	21	24	20	14	10	18	16	8	10	13	13	186
				d	13	14	15	13	12	8	8	10	8	8	9	9	127
				e	190 on 8th	245 on 15th	102 on 15th	214 on 7th	275 on 16th	48 on 23rd	223 on 22nd	133 on 29th	53 on 12th	62 on 28th	45 on 14th	280 on 30th	280 on 30/12/37
Rotuma	Rotuma	87	33	a	1135	2137	727	709	990	650	558	915	1476	1103	1977	1638	14015
A. E. Cornish.	(Lat. 12° 30′ S.			b	1418	1556	1418	1085	1257	891	809	951	915	1065	1291	1283	13939
	Long. 177° 04′ E.)		25	c	19	23	20	19	22	17	19	19	18	25	22	24	247
				d	22	21	21	20	20	18	19	20	19	19	20	21	239
				e	223 on 8th	346 on 14th	199 on 5th	114 on 5th	206 on 4th	196 on 8th	119 on 12th	375 on 1st	345 on 19th	222 on 29th	988 on 1st	309 on 30th	988 on 30/11/37
Saiyaro	Tailevu	30	4	a	912	1344	1351	1495	810	481	765	767	423	962	543	985	10838
Mrs. M. Hunt.	Viti Levu.		4	c	10	14	17	12	9	6	14	9	7	10	10	9	127
				e	388 on 20th	310 on 9th	236 on 20th	550 on 27th	330 on 6th	385 on 23rd	285 on 21st	260 on 9th	170 on 20th	155 on 15th	135 on 30th	265 on 29th	550 on 27/4/37
Salia Levu	Cakaudrove	100	22	a	1953	1269	1388	1094	1860	887	570	2324	547	2001	1359	957	16209
G. B. Crabbe.	Taveuni.			b	1718	1724	1461	1670	2038	1539	1403	1451	2133	2118	1799	1834	20887
			22	c	21	18	23	16	22	15	17	23	14	18	15	20	222
				d	16	16	16	15	16	14	13	15	16	13	13	16	178
				e	335 on 18th	228 on 10th	246 on 14th	288 on 4th	625 on 5th	195 on 30th	120 on 3rd	441 on 17th	147 on 28th	680 on 3rd	743 on 30th	150 on 2nd	743 on 30/11/37
Sawani	Naitasiri		3	a	2113	1283	2117	1510	1489	417	663	1330	283	949	627	1420	13784
Head Master, Southern	Viti Levu.		3	c	20	21	16	13	22	13	23	22	9	22	19	14	201
Provincial School.				e	607 on 26th	250 on 16th	527 on 20th	295 on 15th	481 on 7th	110 on 30th	110 on 1st	274 on 10th	70 on 19th	300 on 30th	288 on 17th	265 on 27th	607 on 26/1/37
Sigatoka	Nadroga	160	11	a	1154	983	587	849	329	235	168	810	123	626	120	677	6661
Cotton Station, C. M. Dass.	Viti Levu .			b	867	987	1077	760	525	192	304	388	264	351	524	601	6751
			11	c	20	23	17	13	13	11	12	13	11	17	6	15	171
				d	15	16	18	13	12	7	8	8	7	9	11	12	135
				e	356 on 8th	134 on 6th	193 on 26th	417 on 8th	175 on 6th	122 on 23rd	85 on 1st	194 on 29th	49 on 7th	193 on 5th	62 on 30th	139 on 25th	417 on 8/4/37
Suva	Rewa	8	53	a	878	829	1753	1213	1649	223	476	1146	695	663	587	551	10663
Harbour Master.	Viti Levu.			b	1151	1136	1482	1232	1058	638	527	815	757	886	1014	1250	11946
			53	c	22	22	26	23	27	14	27	23	16	21	19	20	260
				d	23	22	25	23	22	18	18	19	19	19	19	22	247
				e	129 on 2nd	185 on 15th	787 on 19th	141 on 18th	764 on 6th	52 on 30th	82 on 21st	271 on 9th	341 on 24th	118 on 29th	214 on 15th	136 on 26th	787 on 19/3/37
Tamanua	Serua (Navua)	30	7	a	1256	587	2590	1330	1647	516	795	1404	898	1021	935	623	13602
John Chapman.	Viti Levu.			b	1490	1229	2233	1624	1562	666	676	918	747	1522	1449	1495	15610
			7	c	26	25	25	22	20	16	28	22	18	23	19	15	259
				d	22	22	25	23	24	17	17	19	16	21	22	20	278
				e	300 on 9th	98 on 8th	966 on 19th	464 on 18th	413 on 3rd	104 on 27th	80 on 21st	249 on 10th	243 on 24th	147 on 5th	575 on 15th	185 on 25th	966 on 19/3/37
Tamavua No. 1	Rewa		3	a	789	772	2107	1341	1908	353	652	1520	894	839	736	548	12459
E. H. Terry.	Viti Levu.		3	c	18	22	31	24	23	8	25	18	13	26	12	12	232
				e	158 on 20th	170 on 16th	525 on 19th	150 on 8th	724 on 6th	80 on 30th	115 on 2nd	370 on 9th	225 on 17th	205 on 30th	309 on 15th	190 on 9th	724 on 6/5/37
Tamavua No. 2	Rewa		3	a	651	856	1890	1256	1773	326	894	1621	874	1025	807	1026	13009
Caretaker.	Viti Levu.		3	c	19	24	26	23	23	10	26	20	16	26	18	18	249
				e	153 on 20th	168 on 20th	528 on 20th	186 on 15th	447 on 4th	83 on 28th	144 on 12th	382 on 21st	350 on 19th	241 on 30th	391 on 16th	276 on 1st	528 on 20/3/37
Tautu	Lomaiviti	25	10	a	982	1155	1295	1231	843	196	322	453	80	302	230	401	7490
W. R. Fry.	Gau.			b	982	1155	1295	905	702	355	347	349	330	413	505	645	7983
			10	c	18	19	21	14	18	6	13	11	5	12	9	11	157
				d	18	19	21	18	17	11	10	13	9	11	11	13	171
				e	....	....	....	407 on 3rd	276 on 4th	157 on 14th	66 on 11th	135 on 20th	40 on 29th	86 on 27th	64 on 23rd	123 on 29th	407 on 3/4/37
Tavua	Ba	350	2	a	954	1672	928	576	459	228	131	307	40	140	265	1055	6755
Secretary, Emperor Gold	Viti Levu.		2	c	19	20	22	15	9	9	2	8	3	11	9	12	139
Mines.				e	182 on 18th	416 on 15th	161 on 16th	128 on 5th	174 on 16th	152 on 23rd	94 on 17th	205 on 29th	33 on 8th	38 on 13th	172 on 15th	280 on 25th	416 on 15/2/37

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1937.—*continued.*

Rainfall measured in Points: 100 points=1″. a=total rainfall; b=average rainfall; c=No. of wet days; d=average No. of wet days; e=amount and date of wettest day.

Name of Station and Observer.	Province and Island.	Approximate height above M.S.L.	No. of years.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Vaileka	Ra	15	8	a	1281	1404	572	432	381	227	15	230	37	224	223	1274	6300
District Commissioner.	Viti Levu.			b	1033	1622	1478	828	429	128	234	230	205	282	445	735	7649
			8	c	18	16	11	10	5	3	1	5	1	6	5	4	85
				d	12	12	12	10	6	2	3	3	4	8	7	7	84
				e	193 on 18th	343 on 15th	152 on 26th	95 on 5th	150 on 15th	151 on 23rd	15 on 16th	125 on 27th	37 on 7th	87 on 15th	140 on 30th	590 on 28th	590 on 28/12/37
Valeci	Cakaudrove	30	31	a	966	794	1329	644	837	271	461	911	444	584	637	663	8541
Wireless Officer.	Vanua Levu.			b	1141	1136	1178	887	902	472	448	624	636	743	858	1044	10072
			30	c	19	21	17	11	12	10	18	13	9	15	9	15	169
				d	17	16	16	14	13	10	10	11	10	10	12	14	152
				e	177 on 19th	299 on 15th	323 on 20th	243 on 28th	282 on 16th	65 on 8th	101 on 15th	201 on 17th	215 on 29th	168 on 29th	308 on 30th	165 on 28th	323 on 20/2/37
Vatugunisese	Cakaudrove	12	6	a	702	707	1143	708	557	180	150	889	201	855	788	476	7356
A. S. McLeod.	Vanua Levu.			b	1118	1047	1128	1099	936	198	235	499	338	802	928	946	9182
			6	c	15	16	18	13	14	8	11	20	11	16	10	16	168
				d	18	18	19	15	15	9	10	12	9	13	13	15	165
				e	102 on 15, 18	249 on 15th	405 on 20th	151 on 4th	172 on 5th	89 on 8th	81 on 15th	234 on 13th	80 on 29th	408 on 23rd	377 on 30th	121 on 25th	408 on 23/10/37
Vuna	Cakaudrove	25	18	a	505	849	1185	590	1026	185	670	1050	493	1685	485	1355	10078
H. V. Tarte.	Taveuni.			b	1355	1360	1064	1233	1119	551	558	715	741	1165	921	1210	11981
			18	c	10	8	7	5	10	2	9	6	5	6	3	5	76
				d	16	17	18	17	14	11	11	12	13	12	12	15	169
				e	140 on 7th	260 on 8th	450 on 31st	280 on 7th	180 on 5th	150 on 8th	190 on 15th	425 on 19th	200 on 30th	620 on 29th	285 on 31st	475 on 1st	620 on 29/10/38
Vunibaka			3	a	1023	1054	1144	1097	1213	387	771	913	263	1267	418	1356	10906
E. B. Williams.			3	c	16	20	22	16	19	12	23	25	10	20	13	19	215
				e	298 on 9th	195 on 15th	107 on 18th	229 on 28th	301 on 5th	228 on 23rd	100 on 20th	350 on 9th	60 on 30th	355 on 15th	211 on 16th	408 on 2nd	408 on 2/12/37
Vunidawa	Colo East	200	25	a	1041	789	1377	834	984	108	267	814	534	1496	500	1221	9965
District Commissioner.	Viti Levu.			b	1487	1757	1621	1613	1022	719	474	679	774	1013	1275	1686	14115
			25	c	21	16	20	19	22	5	14	21	7	21	17	12	195
				d	18	18	19	18	16	11	11	13	13	15	15	16	183
				e	328 on 19th	200 on 7th	195 on 14th	195 on 8th	200 on 3rd	62 on 23rd	50 on 10th	165 on 9th	152 on 29th	300 on 5th	130 on 15th	215 on 29th	328 on 19/1/38
Vunisea	Rewa	70	7	a	687	1139	373	1029	816	207	622	327	406	276	200	800	6882
C. G. O. Parr.	Kadavu.			b	878	749	899	965	1145	240	373	461	283	646	544	583	7768
			6	c	17	10	6	7	6	7	9	6	7	9	7	12	103
				d	13	11	14	14	12	8	10	10	6	10	10	12	131
				e	225 on 20th	....	133 on 12th	248 on 17th	282 on 16th	90 on 23rd	172 on 15th	167 on 10th	126 on 28th	63 on 15th	73 on 15th	298 on 2nd	298 on 2/12/37
Waidamu	Cakaudrove	25	5	a	885	1115	640	849	1637	414	578	1158	565	878	984	1092	10795
W. A. Beddows.	Taveuni.			b	1499	1067	1310	1204	2401	737	652	844	682	1438	1199	1590	14624
			5	c	30	21	28	23	23	15	21	26	16	22	12	17	254
				d	25	19	26	22	23	18	17	19	19	21	19	21	251
				e	253 on 7th	476 on 13th	101 on 27th	309 on 8th	851 on 5th	77 on 6th	118 on 27th	340 on 9th	202 on 28th	341 on 29th	712 on 30th	428 on 31st	851 on 5/5/37
Wainunu	Bua	6	58	a	1837	1443	1900	629	1286	225	719	1200	535	370	1184	786	12114
A. O. Nikolaison	Vanua Levu.			b	1857	1797	1779	1664	1168	601	554	685	871	1081	1255	1592	14702
			28	c	21	23	21	13	20	11	15	18	15	11	15	12	195
				d	20	19	21	17	17	12	12	13	15	13	16	18	192
				e	198 on 7th	255 on 19th	310 on 13th	160 on 8th	375 on 6th	53 on 10th	140 on 15th	200 on 18th	209 on 29th	62 on 4th	436 on 30th	275 on 27th	436 on 30/11/37
Waiyevo	Cakaudrove	180	31	a	631	1467	1176	1475	697	523	755	1063	99	334	387	992	9599
Wireless Officer.	Taveuni.			b	1140	1255	1089	1038	885	455	252	429	442	746	920	1072	9722
			31	c	11	11	8	11	11	9	11	12	6	12	7	8	117
				d	14	14	15	13	11	9	7	7	9	10	11	13	135
				e	165 on 7th	420 on 8th	644 on 20th	358 on 9th	134 on 17th	144 on 25th	170 on 24th	357 on 29th	38 on 29th	80 on 18th	322 on 20th	423 on 1st	644 on 20/3/37
Yanawai	Cakaudrove	1131	1	a	1755	1313	1794	792	1238	476	1202	1914	....	....	....	....	....
V. Jackson (Mount Kasi Mines).	Vanua Levu.			c	28	25	22	19	17	11	20	17	....	....	....	....	....
			1	e	280 on 17th	400 on 15th	320 on 15th	227 on 9th	233 on 16th	113 on 9th	204 on 27th	343 on 9th	....	....	....	....	....