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ANNUAL METEOROLOGICAL REPORT

FOR THE YEAR 1930.

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M48
1930

BY
E. W. G. TWENTYMAN, F.R.MET.SOC.
HARBOUR MASTER, SUVA.

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National Oceanic and Atmospheric Administration

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Information Manufacturing Corporation
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Rocket Center, West Virginia
September 14, 1999

METEOROLOGICAL OBSERVATIONS.

SUVA.

OBSERVATIONS are taken at 2030 and 0330 G.M.T., or 8.30 a.m. and 3.30 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, 20 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; Cup Anemometer 41 feet 6 inches; Dines 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.

Temperatures.—Maximum read and set at 8½ h., and entered to the previous day.

Minimum—Read and set at 8½h., and entered to day of reading.

Maximum in Sun—Read and set at 8½ h., and entered to the previous day.

Grass Minimum—Set at 15½ h., and read at 8½ h., the following day, and entered to the day or reading.

Vapour Pressure, Dew Point and Relative Humidity.——Computed from "*Hygrometric Tables,*" published by the Meteorological Office, London, 1924 (M.O. 265).

Rainfall—Measured at 8½ h., and 15½ h., The amount measured at 8½ h., is entered to the previous day, and the amount measured at 15½ h., is entered to the day of reading. Definition of day with rain=0·01 in. or more. An Automatic Syphon Rainguage was brought into use on January 14th, 1930.

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

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

Wind.—A Dines Pressure Tube Anemometer and an Electric Cup Anemometer are in use. The method adopted by the Meteorological Office, London, for condensing winds, read to 16 points to 8 points, is in use.

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

MONTHLY MEANS FOR THE YEAR 1930, SUVA STATION, TAKEN AT 8.30 A.M. AND 3.30 P.M.

Months.	Mean Pressure in Inches.		Air Temperature (F°) Dry Bulb.		Wet Bulb.		Means of Max.	Means of Min.	Absolute Max. & Min. Max.	Date.	Min.	Date	Vapour Pressure in Millibars.		Relative Humidity (Saturation = 100)		Amount of Cloud.	
	8.30	3.30	8.30	3.30	8.30	3.30							8.30	3.30	8.30	3.30	8.30	3.30
January	29·766	29·708	82·2	83·6	77·2	78·1	86·9	75·4	92	14	70	27	29·8	30·5	79·4	77·9	6·4	7·2
February	29·764	29·701	82·0	84·3	76·8	77·7	87·0	75·6	91	9, 24	69	5	29·2	29·6	78·5	73·7	6·0	6·8
March	29·838	29·767	81·0	83·7	76·6	77·2	86·4	75·5	92	10	70	22	29·4	29·0	81·4	74·0	6·6	6·8
April	29·880	29·807	80·0	81·9	74·9	75·4	85·5	72·7	89	11	69	5, 24	27·3	27·1	78·3	73·3	5·7	5·9
May	29·944	29·872	76·8	77·8	72·4	72·9	81·2	72·1	88	2	68	29	25·3	25·6	80·1	78·6	8·0	8·2
June	29·988	29·913	74·3	76·1	68·8	69·4	78·6	68·1	85	25	61	16	21·6	21·6	74·9	70·3	6·2	6·1
July	29·966	29·884	72·4	74·5	67·2	68·1	76·3	67·7	83	8	62	26	20·7	20·8	75·6	70·9	6·9	7·1
August	30·010	29·926	72·6	75·0	67·2	68·1	77·4	67·0	90	12	61	3, 4	20·4	20·5	74·3	68·9	6·5	6·0
September	29·972	29·888	71·1	73·2	66·1	66·6	75·1	65·6	80	16, 28, 29, 30	58	7	19·8	19·4	76·3	69·8	7·7	7·3
October	30·018	29·947	76·0	77·5	69·3	69·9	80·3	69·3	86	16, 18	62	14	21·6	21·8	70·5	67·2	6·9	6·8
November	29·922	29·849	77·8	78·6	72·0	72·4	81·7	72·1	87	3	66	25	24·4	24·5	75·2	73·5	8·4	8·0
December	29·847	29·790	79·7	80·9	73·7	74·0	83·8	73·5	87	11, 14	70	19, 31	25·7	25·6	74·6	71·5	7·2	6·7
Year	29·910	29·838	77·2	78·9	71·9	72·5	81·7	71·2	..	....	..	....	24,6	24·7	76·6	72·5	6·9	6·9

Months.	Mean Sunshine (hours and tenths.)	Weather. No. of days of Hail.	Thndr Strms	Gales	Clear Sky 8.30	Clear Sky 3.30	Overcast 8.30	Overcast 3.30	Wind. Number of Observations of N. 8.30	N. 3.30	N.E. 8.30	N.E. 3.30	E. 8.30	E. 3.30	S.E. 8.30	S.E. 3.30	S. 8.30	S. 3.30	S.W. 8.30	S.W. 3.30	W. 8.30	W. 3.30	N.W. 8.30	N.W. 3.30	Calms. 8.30	Calms. 3.30
January	6·9	0	4	0	3	2	7	12	1	1	5	4	13	12	4	6	0	2	0	4	3	1	1	0	4	1
Feruary	7·3	0	7	1	4	0	6	6	1	0	7	2	7	5	2	9	0	4	0	6	5	1	2	0	4	1
March	5·7	0	4	0	2	3	11	12	3	1	6	5	5	5	3	10	2	5	0	3	1	1	1	1	10	0
April	7·0	0	2	0	4	2	6	6	3	0	14	3	3	12	1	13	0	1	0	0	0	0	0	0	9	1
May	2·7	0	1	0	2	0	19	19	0	0	4	3	5	6	14	16	3	4	0	1	1	0	0	0	4	1
June	5·0	0	0	0	4	3	10	7	2	0	6	2	7	14	6	9	2	2	1	2	0	0	0	0	6	1
July	3·9	0	0	0	2	10	1	14	3	1	2	2	2	8	11	12	2	4	1	3	2	0	1	0	7	1
August	5·1	0	0	0	6	5	11	10	4	0	3	4	8	10	6	9	2	5	1	2	1	1	0	0	6	0
September	3·6	0	0	0	1	2	16	16	1	0	2	1	6	5	3	12	2	5	2	5	4	1	1	0	9	1
October	5·5	0	1	0	3	3	10	13	1	0	3	2	12	9	11	16	2	4	1	0	0	0	0	0	1	0
November	3·7	0	2	2	0	0	16	18	1	0	4	1	17	12	5	16	1	0	1	1	0	0	0	0	1	0
December	6·6	0	0	0	0	10	2	11	0	0	2	0	18	13	9	16	2	2	0	0	0	0	0	0	0	0
Year	5·3	0	21	3	31	40	115	144	20	3	58	29	103	111	75	144	18	38	7	27	17	5	6	1	61	7

EXTREMES FOR THE YEAR.

Highest Pressure—30·152″ at 8.30 a.m. on 6th October.
Lowest Pressure—29·392″ at 3.30 p.m. on 23rd November.
Highest Temperature in Shade—92° on 14th January and 10th March.
Lowest Temperature in Shade—58° on 7th September.

Greatest Range—20° on August 11th and 15th October.
Least Range—1° on 30th June.
Most Rain in 24 hours—6·69″ on 20th February.

Mean Temperature for the year—76·5°.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

JANUARY, 1930.

JANUARY.

Day.	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	Max.	Min.	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	Dew Point. II	Vapour Pressure I	Vapour Pressure II	Percentage. I	Percentage. II
			Tenths.				Whole Degrees.				Tenths.							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.		
1	29·797	29·707	80·4	75·4	85·0	78·0	86	74	70	159	80·8	79·6	73	75	27·4	29·6	79	72
2	29·780	29·727	83·0	77·0	81·8	76·2	87	73	71	156	81·2	79·7	74	74	29·0	28·7	76	77
3	29·787	29·742	81·4	77·2	83·4	78·0	84	74	73	134	81·2	79·8	75	75	29·9	29·8	82	78
4	29·767	29·708	83·0	78·0	81·0	78·2	86	76	73	147	81·2	80·0	76	77	30·5	31·4	79	88
5	29·730	29·669	82·8	76·2	85·0	77·2	87	77	75	160	81·6	80·2	74	73	28·3	28·1	73	69
6	29·745	29·711	83·0	77·4	83·8	76·0	87	75	73	156	82·0	80·4	75	72	29·8	27·1	77	69
7	29·756	29·698	78·8	74·8	81·6	75·8	85	74	73	155	82·2	80·2	73	73	27·9	28·0	82	76
8	29·680	29·632	82·2	76·4	83·0	76·6	85	75	73	145	81·8	80·3	73	74	28·0	28·3	76	74
9	29·693	29·615	78·2	76·4	84·6	77·2	87	74	73	155	82·0	80·5	75	74	29·8	28·9	92	70
10	29·729	29·648	75·8	74·8	83·0	78·8	84	75	74	137	80·3	80·5	75	77	29·2	32·1	95	83
11	29·691	29·582	82·8	78·6	81·0	78·0	86	76	76	154	81·1	80·7	77	77	32·1	31·4	82	87
12	29·605	29·582	81·0	78·0	79·0	78·0	86	76	75	145	81·4	80·3	77	78	31·4	32·3	87	95
13	29·692	29·635	83·0	78·2	78·0	78·0	89	76	74	155	82·0	80·5	76	78	30·5	32·8	80	100
14	29·664	29·595	84·8	79·2	87·2	82·4	92	77	75	155	82·6	80·7	77	80	32·0	35·1	77	81
15	29·666	29·698	87·2	80·0	78·6	77·2	91	77	76	152	83·4	81·8	77	77	31·9	31·6	72	94
16	29·773	29·737	85·6	80·0	89·8	81·8	91	76	75	153	83·2	81·4	78	79	33·1	33·8	78	70
17	29·835	29·796	84·8	80·8	86·6	80·0	88	79	78	152	84·0	83·0	79	78	34·4	32·7	83	74
18	29·877	29·829	87·0	81·0	87·2	80·4	90	80	78	155	84·3	82·0	79	77	33·5	31·9	77	74
19	29·875	29·840	84·6	80·4	80·0	79·0	87	77	76	151	84·4	82·3	79	79	34·4	33·4	83	96
20	29·900	29·819	76·8	71·8	86·8	79·8	88	77	76	154	84·0	82·1	69	77	24·6	31·9	78	72
21	29·901	29·828	85·0	79·0	87·6	79·8	89	77	75	149	84·3	82·5	77	77	31·2	31·4	76	70
22	29·890	29·788	81·4	78·2	85·4	77·4	87	73	73	159	83·2	82·5	77	73	31·4	28·1	86	69
23	29·812	29·705	80·8	76·0	82·6	76·0	84	74	73	151	84·2	83·0	74	74	28·4	28·3	79	73
24	29·725	29·686	78·0	73·2	76·8	74·2	82	76	73	148	84·1	83·3	71	73	25·5	28·0	79	88
25	29·750	29·662	79·0	74·8	81·8	76·4	83	71	69	152	83·0	83·3	73	74	27·9	28·7	82	77
26	29·732	29·679	80·4	73·8	81·8	74·4	84	73	70	153	83·0	83·0	70	71	25·3	25·8	72	70
27	29·757	29·695	80·6	73·6	83·2	76·0	85	70	68	158	82·4	83·0	71	73	25·6	27·5	70	71
28	29·749	29·679	84·0	76·0	83·9	78·0	89	73	71	154	83·3	83·0	72	75	27·1	30·1	68	76
29	29·763	29·726	81·8	78·0	84·9	79·1	86	78	76	145	84·0	82·9	76	77	31·0	31·2	84	76
30	29·790	29·762	84·6	79·2	87·8	81·2	89	76	74	157	83·2	82·8	77	79	32·0	33·8	78	74
31	29·838	29·777	85·0	79·4	88·0	80·6	90	79	77	152	84·2	82·9	77	77	32·0	32·2	78	72
Totals	922·749	920·957	2546·8	2392·8	2590·2	2419·7	2694	2338	2288	4708	2563·6	2528·2	2326	2347	925·1	944·0	2460	2415
Means	29·766	29·708	82·2	77·2	83·6	78·1	86·9	75·4	73·8	151·9	82·7	81·6	75·0	75·7	29·8	30·5	79·4	77·9

METEOROLOGICAL SUMMARY FOR MONTH OF JANUARY, 1930.

Highest Pressure—29·901″ at 8.30 a.m. on 21st.
Lowest Pressure—29·582″ at 3.30 p.m. on 11th and 12th.
Highest Temperature in Shade—92° on 14th.
Lowest Temperature in Shade—70° on 27th.
Greatest Range—16° on 28th.
Least Range—6° on 24th.
Mean Temperature for Month—81·2°.
Greatest Humidity—100 per cent. at 3.30 p.m. on 13th.
Least Humidity—68 per cent. at 8.30 a.m. on 28th.
No. of Days of—Rain, 25; Hail, 0; Thunderstorms, 4; Fog, 0; Gales (force 8 or more), 0.

VISIBILITY SUMMARY—NO. OF CASES OF

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
I	0	0	0	0	0	0	0	1	0	1	2	4	20	3
II	0	0	0	0	0	0	1	2	1	3	2	7	9	6

RAINFALL:—Total, 17·31″; average, 11·60″ for 46 years; difference from normal +5·71; greatest fall in 24 hours, 3·57 on 9th.

AMOUNT OF CLOUD.

Hour.	Number of cases of total cloud amount of. 0	1/3	4/6	7/9	10
I	1	5	7	18	0
II	0	3	8	10	10

WIND SUMMARY.

	Force 8 or more.	4/7	1/3	Calms	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	5	22	4	0	3	1	5	9	3	2	0	0	0	0	1	2	0	1	0
3.30 p.m.	0	13	17	1	0	0	1	6	8	3	4	1	1	1	3	1	0	0	0	1
	0	18	39	5	0	3	2	11	17	6	6	1	1	1	3	2	2	0	1	1

Prevailing Direction, E; 8.30 a.m., E; 3.30 p.m., E.
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—4½ miles, J—6½ miles, K—12½ miles, L—18⅝ miles, M—31 miles.

Amount

JANUARY.

Wind Direction and Force (Beaufort Scale). I		II		Weather (Beaufort Letters). At time of Observation. I.	During day I to II.	At time of Observation II.	During night II to I.	Cloud. Amount (0–10). I	II	Form. I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day measured at 15h. 30m.	17 hours measured next morning at 8h. 30m.	Sunshine. Hours and tenths.	Visibility. I	II	State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	Fce.	Dir.	Fce.											in.	in.						
E.XS.	3	E.XS.	3	c	bc,b	b	bc,b	8	3	a-st/cu	ci/cu	..	..	..	.	6·8	L	K	1	0	1
E.S.E.	2	E.	4	b	b,bc,c	c	c,oir	3	8	cu	st-cu/nb	..	..	Trace	0·97	8·3	L	L	0	0	2
E.XN.	3	E.N.E.	3	o	o	o	0Rr,c,bc	9	10	st-cu/cu-nb	cu-nb/st-nb	..	..	Trace	0·26	0·9	L	K	2	1	3
E.N.E.	4	E.	3	bc	bc,cpq	cp	cpq	6	8	cu/cu nb	st/cu/nb	..	..	0·43	0·60	5·3	L	K	2	2	4
E.N.E.	3	E.N.E.	4	c	c,bc	bc	c,0R,bc	8	4	cu/cu-nb	st/st-cu	..	..	..	0·13	10·3	K	L	2	0	5
E.XS.	3	E.XS.	4	bc	bc,c	b	C,od,c	6	7	ci/cu/cu-nb	ci/cu-nb	..	..	..	0·03	11·0	L	L	1	0	6
E.N.E.	1	E.S.E.	3	o	c,o	o	0,C,bc	9	10	st-cu/nb	st	..	..	Trace	Trace	2·0	L	L	0	0	7
E.N.E.	1	E.XS.	3	c	c,o	o	0Rr	7	10	ci/cu/st-cu	st	..	..	..	0·30	2·4	L	L	0	0	8
E.	1	E.N.E.	3	o	0ir,c,bc	bc	0RRrr	9	6	cu-nb	ci/cu/cu-nb	..	..	0·04	3·53	4·4	L	L	1	0	9
Calm	0	E.N.E.	4	od	0Rr,c	o	or,c	9	9	nb	st-cu/cu/nb	..	..	0·12	0·14	1·8	L	L	2	2	10
E.N.E.	3	E.N.E.	2	o	oiR	oiR	oiRrqd	9	10	cu-nb	cu-nb	..	..	0·37	0·93	1·1	L	I	2	2	11
W.	2	S.	1	c	ctloR	0R	0R,c,b,bc	7	10	ci/ci-st/cu	nb	..	..	0·48	0·13	4·3	L	H	2	2	12
N.N.E.	3	N.N.W.	2	c	bc,oRtl	oRtl	oR,r,c,b	8	10	cu/st-cu/nb	nb	..	..	0·83	0·47	6·4	M	F	2	2	13
N.N.E.	2	W.S.W.	2	c	bc,cq	c	c,bc	8	7	ci-st	ci-st/cu-nb	..	..	..	Trace	7·8	L	M	2	1	14
N.N.E.	3	Calm	0	bc	c,tlorR	oR	0R,r,cl,bc	6	10	ci/ci-st/cu	nb	..	..	0·38	0·26	4·8	M	G	0	1	15
N.E.	3	E.N.E.	4	bc	bc	bc	bcl,cR	6	4	ci/cu	ci/cu	..	..	..	0·11	11·2	L	M	1	0	16
E.	4/5	E.	4	c	c,bc	bc	bc,cp,bc	7	4	cu/cu-nb	cu/cu-nb	..	..	..	0·01	10·4	K	K	1	0	17
E.	4	E.XS.	4	bc	b,bc	bc	bc,optl,c	5	4	cu/cu-nb	cu	..	..	..	0·56	10·6	K	K	0	0	18
E.S.E.	4	E.	4	c	c,bc,op	op	p	8	10	cu/cu-nb	cu-nb	..	..	0·02	0·92	7·1	K	G	2	2	19
E.XN.	4	E.S.E.	4	op	op,bc	bc	bl,cr,bc	9	5	cu-nb/nb	cu	..	..	0·06	0·09	9·2	G	K	2	1	20
E.	3	S.E.	4	b	b	b	b,orl,R	3	1	cu	cu	..	..	..	1·66	11·3	L	M	1	0	21
S.E.XS.	3	S.S.E.	3	b	bc,b	b	b,bc,l	3	1	cu/cu-nb	cu	..	..	..	0·01	10·7	L	M	2	0	22
W	1	S.W.	3	bc	bc,c	c	c,od	6	8	ci-st/cu	ci-st	..	..	..	0·01	8·1	L	M	5	0	23
N.W.	1	S.S.W.	3	o	cpo	op	op,c,b,bc	9	9	a-st	st-nb	..	..	0·38	0·32	1·8	M	L	0	1	24
Calm	0	N.E.	1	c	c,op	o	op,bc	8	9	st-cu/cu	st/cu-nb	..	..	0·16	0·42	5·1	L	M	2	2	25
W.S.W.	3	S.W.	3	b	b,c,o	op	o,cb	1	10	cu	st/nb	..	..	Trace	Trace	4·6	L	K	2	1	26
Calm	0	S.W.	2	bz	b,c,o	o	o,b,c,b	0	10	....	st/cu	..	..	..	..	8·4	J	L	5	0	27
Calm	0	E.S.E.	4	b	b,cz,op	cz	cz,o,c	1	8	cu	cu/cu-nb	..	..	0·06	Trace	9·4	L	I	5	1	28
E'ly	1	S.E.	4	cz	0RR,cz	cz	cz,bcl	7	7	cu/cu-nb	cu	..	..	1·99	Trace	4·6	I	I	0	2	29
S.E.	3	S.E.	4	cz	cz,bc	bcz	bc,z,or,d	8	5	cu/cu-nb	ci-cu/cu	..	..	..	0·13	11·2	J	J	1	0	30
E.S.E.	3	S.E.	3	bc	bc,z	bcz	zbc,b	4	5	cu	cu	..	..	..	..	11·5	L	J	1	0	31
..	72	..	95	..	....	..	....	197	222	....	....	..	..	5·32	11·99	212·8	..	..	..	..	Totals
..	2·3	..	3·1	..	....	..	....	6·4	7·2	....	....	..	..	..	..	6·9	..	..	..	..	Means

REMARKS.

Date.

1 Intermittent rain to 2h.; lightning to 2h. 15m.

2 Intermittent rain 18h. and through the night.

3 Intermittent rain to 4h. squall from E. 2h. 10m. (20 m.p.h.). Heavy rain 19h. 20m. to 19h. 35m.

4 Moderate and light rain to 6h. to 7h. Passing showers to squally 8h.

5 Passing showers to 1h.

6 Rain 5h. 15m. to 2h. 30m. Drizzle off and on 21h. to 22h. 15m.

7 Squall from E.N.E. 8h. 40m. (22 m p.h.) for one minute with rain also at 18h.

8 Fine and clear in the morning. Cloudy night.

9 Heavy rain 2h. to 2h. 15m., intermittent rain to 10h. 15m. Heavy and moderate rain 22h. 30m., 11h. 30m. to 12h. 20m. and 21h. 30m. to 22h.

10 Heavy and light rain to 7h. 45m. thence drizzle. Scud from N.W. 5h. Heavy and moderate rain 23h. 30m.

11 Heavy and light intermittent rain from 2h. 40m. Squall from N.E. 16h. 55m. to 17h. Drizzle 23h. 30m.

12 Thunderstorm 14h. 15m. Moderate rain 14h. 45m. to 16h. 10m. Clear night to 17h. 5m. Lunar Halo 23h. 30m.

13 Thunderstorm 15h. 5m to 15h. 30m. Torrential rain 15h. 5m. to 15h. 45m. thence light rain.

14 Lunar Halo at night from 20h. 30m.

15 Thunderstorm 13h. 45m. to 15h. Heavy rain 15h. 30m. to 16h., light rain to 16h. 35m. Squall from S.S.W. 14h. 12m. for 15m. (23 m.p.h.).

Date.

16 Pretty sunset. Lightning at night.

17 Rain 7h. to 7h. 8m. Squall from E. 19h. 5m. and shower for 2m.

18 Thunderstorm and heavy passing showers and squally from E.N.E. 19h. to 23h.

19 Squall from E. 15h. (28 m.p.h.) with passing showers.

20 Passing showers during the day. Clear night. Lightning to S. 20h. 30m. to 21h. 30m.

21 Rain 0h. 20m. to 0h. 30m. Fine and clear during the day. Light rain 23h. Lightning 23h. to 23h. 45m.

22 Squall from S.S.E. 0h. 40m. (38 m.p.h.) with heavy rain. Lightning 20h. 30m. to 22h.

23 Fine and clear all day. Cloudy at night.

24 Drizzle 8h. 10m. to 8h. 20m. Squall from S.W. 13h. to 13h. 25m. (24 m.p.h.). Light to heavy passing showers 12h. 30m. Clear night to 20h. 33m.

25 Passing showers 12h. to 13h. 30m. and 16h. to 17h. 30m.

26 Passing showers 15h. 30m. to 15h. 35m. Sun appeared as a red ball through stratus clouds just before sunset.

27 Dew on grass in morning.

28 Dew in morning. Hazy during the day. Passing showers 14h. 50m. to 15h. 10m. Lightning 20h. 30m. to 21h. 30m.

29 Hazy. Heavy steady rain 9h. to 11h. thence light rain 12h. 15m. to 12h. 30m.

30 Hazy during the afternoon.

31 Rain and drizzle 2h. to 4h. 30m. Hazy during the afternoon.

ADDITIONAL NOTES.

On 11th and 12th January a small but severe cyclone passed over Makogai, Wakaya and Ngau. The Master of the H.M.C.S. "Pioneer" reported as follows: "Anchored at Wakaya at 7.30 p.m., 11th, moderate E.N.E. wind; at 9 p.m. barometer rapidly fell from 29·68 to 29·39 and by 10 p.m. wind was E.N.E. force 11. This lasted for about ½ an hour. There was then a lull (almost calm) for 20 minutes when wind blew from W.N.W. hurricane force for 40 minutes, barometer then rapidly rose to 29·63. After this the wind remained moderate N.W. breeze all night."

Mr. J. F. Osborn of Ngau reported:—Saturday 11th 9 p.m. barometer 29·75, S.W. breeze and rain. About 12.30 a.m. Sunday, barometer 29·61, wind E 6, and by 1 a.m., 12th, it was hurricane force with barometer 29·57. At 2.30 a.m there was a lull for about ½ an hour and then the wind came in from the West at hurricane force.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

FEBRUARY, 1930.

FEBRUARY.

Day.	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	Max.	Min.	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
			Tenths.				Whole Degrees.				Tenths.							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.		
1	29·799	29·716	86·4	79·6	83·0	77·5	88	77	76	160	85·0	83·0	76	75	30·7	29·8	73	77
2	29,729	29·671	78·0	77·0	86·0	79·5	88	75	73	152	82·0	82·5	77	77	31·2	31·5	95	74
3	29·678	29·595	84·8	77·8	80·0	76·8	85	78	75	152	84·4	83·9	75	76	29·6	30·3	72	86
4	29·658	29·593	80·0	73·4	82·9	72·7	84	74	72	155	83·4	83·8	70	68	25·3	23·3	72	59
5	29·714	29·687	82·1	72·9	83·8	75·0	84	69	67	147	84·2	83·4	68	71	23·7	25·7	63	65
6	29·796	29·727	78·8	74·2	83·2	76·0	85	74	73	156	83·2	83·5	72	73	27·2	27·5	80	7[illegible]
7	29·763	29·689	84·2	76·2	87·0	78·2	89	74	72	154	84·6	83·5	72	74	27·1	28·8	68	66
8	29·746	29·703	83·0	77·0	89·0	78·8	88	78	76	155	84·6	83·8	74	75	29·0	29·4	76	63
9	29·735	29·669	86·0	80·6	88·0	79·0	91	79	77	158	84·4	83·6	78	75	33·1	29·9	78	66
10	29·777	29·739	85·0	78·8	85·6	79·6	90	77	74	159	84·8	83·7	77	78	31·2	32·3	75	76
11	29·822	29·731	80·6	78·2	88·0	81·8	89	78	76	154	84·8	83·8	77	80	32·2	34·7	89	76
12	29·825	29·772	83·2	80·2	85·6	80·6	89	77	76	151	84·9	83·8	79	79	33·6	33·9	87	80
13	29·830	29·755	81·8	79·2	86·4	79·6	89	77	77	152	85·1	84·0	79	76	33·3	30·7	89	73
14	29·797	29·697	85·2	78·8	87·8	79·8	90	78	76	155	85·6	84·0	76	77	30·4	31·4	75	69
15	29·740	29·692	85·0	75·0	85·8	74·8	89	79	77	152	85·9	84·0	70	70	25·2	24·8	62	58
16	29·793	29·747	81·4	77·0	85·0	77·0	87	75	74	155	85·4	83·6	75	73	29·2	28·1	82	66
17	29·819	29·777	80·0	75·8	84·0	77·2	88	75	73	159	85·0	84·0	74	74	28·9	28·6	82	73
18	29·804	29·739	79·0	75·4	84·0	75·6	86	74	73	151	85·0	83·0	74	72	28·6	26·4	84	6[illegible]
19	29·814	29·769	77·8	75·4	82·6	77·0	86	75	73	158	85·0	83·5	74	75	29·0	29·8	89	7[illegible]
20	29·822	29·774	84·2	76·2	81·4	76·4	86	74	73	151	85·0	83·4	72	74	27·1	28·4	68	79
21	29·820	29·743	77·0	75·8	75·2	75·2	81	75	74	104	79·0	83·8	76	75	30·2	29·7	94	10[illegible]
22	29·728	29·595	80·4	77·8	80·8	78·8	82	75	74	113	78·2	83·4	76	78	31·1	33·0	89	9[illegible]
23	29·715	29·633	79·8	77·8	84·2	79·4	87	77	75	149	79·2	83·0	77	77	31·9	31·6	91	8[illegible]
24	29·675	29·629	85·0	78·8	87·0	80·0	91	77	75	154	80·8	82·6	77	77	31·2	31·9	75	7[illegible]
25	29·692	29·619	81·8	76·4	84·6	79·8	89	75	74	149	81·8	82·4	74	78	28·7	32·8	77	8[illegible]
26	29·725	29·690	82·0	74·8	84·2	76·8	86	76	72	147	82·4	83·3	72	73	26·5	27·8	70	7[illegible]
27	29·782	29·731	81·2	74·0	82·8	77·2	84	72	69	146	81·7	83·0	71	75	25·6	29·8	70	7[illegible]
28	29·802	29·747	81·4	75·2	83·0	75·8	84	72	69	150	81·7	82·8	72	73	27·0	27·5	74	7[illegible]
Totals	833·400	831·629	2295·1	2149·3	2360·9	2175·9	2435	2116	2065	4198	2337·1	2336·1	2084	2098	817·8	829·4	2199	206[illegible]
Means	29·764	29·701	82·0	76·8	84·3	77·7	87·0	75·6	73·8	149·9	83·5	83·4	74·4	74·9	29·2	29·6	78·5	73·[illegible]

METEOROLOGICAL SUMMARY FOR MONTH OF FEBRUARY, 1930.

Highest Pressure—29·830″ at 8.30 a.m. on 13th.
Lowest Pressure—29·593″ at 3.30 p.m. on 4th.
Highest Temperature in Shade—91° on 9th and 24th.
Lowest Temperature in Shade—69° on 5th.
Greatest Range—15° on 5th and 7th.
Least Range—6° on 21st.
Mean Temperature for Month—81·3°.
Greatest Humidity—100 per cent. at 3.30 p.m. on 21st.
Least Humidity—58 per cent. at 3.30 p.m. on 15th
No. of Days of—Rain, 19; Hail, 0; Thunderstorms, 7; Fog, 0; Gales (force 8 or more), 1.

Visibility Summary—No. of Cases of

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
I	0	0	0	0	0	0	0	0	0	1	2	3	16	6
II	0	0	0	0	0	0	1	0	0	2	0	3	14	8

Rainfall:—Total, 19·91″; average, 11·06″ for 46 years; difference from normal, +8·85; greatest fall in 24 hours, 6·69 on 20th

Amount of Clouds.

Hour.	Number of cases of total cloud amount of. 0	1/3	4/6	7/9	10
I	0	4	11	9	4
II	0	1	11	12	4

WIND SUMMARY.

	Force 8 or more	4/7.	1/3.	Calms.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	7	17	4	1	0	5	4	5	0	2	0	0	0	0	0	5	1	1	0
3.30 p.m.	0	17	10	1	0	0	2	0	4	3	6	2	2	3	4	1	0	0	0	0
	0	24	27	5	1	0	7	4	9	3	8	2	2	3	4	1	5	1	1	0

Prevailing Direction, E; 8.30 a.m., E; 3.30 p.m. S.E.

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—1110 yards, G—1¼ mile, H—2½ miles, I—4½, J—6½ miles, K—12½ miles, L—18½ miles, M—31 miles.

FEBRUARY.

Wind Direction and Force (Beaufort Scale). I		II		Weather (Beaufort Letters). At time of Observation I.	During day I to 2.	At time of Observation II.	During night II to I.	Cloud. Amount (0–10) I	II	Form. I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day measured at 15h. 30m.	17 hours measured next morning at 8h. 30m.	Sunshine. Hours and tenths.	Visibility I	II	State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	Fce.	Dir.	Fce.											in.	in.						
E.	3	Calm	0	bc,z	zbc,tl	bc	c,otlRRd	6	5	cu/cu-nb	cu-nb	..	..	Trace	3·05	7·6	J	I	0	0	1
Calm	0	S.W.	1	c	bc,c	c	co,l,b	7	7	ci/cu	cu/cu-nb	..	..	..	Trace	8·8	L	L	2	1	2
W.N.W.	3	S.	3	bc	bc,cpo	op	opq,Rd,b	4	10	cu/cu-nb	nb	W.	S.	0·11	1·09	5·8	M	L	5	2	3
W. x S.	3	S.W.	4	c	bc,c	c	c,bc,b	7	7	ci/cu	st-cu/cu	W.	Nil	..	..	9·0	M	M	2	1	4
W.	1	S.S.W.	4	b	b,bc	bc	c,or,bc	1	6	st-cu	cu/cu-nb	Nil	S.E.	..	0·62	9·7	M	M	5	0	5
W.	0/1	S.	3	c	c,bc	bc	bc,b	7	4	cu/cu-nb	cu/cu-nb	..	S.S.E.	..	..	9·4	M	M	1	0	6
N.E.	2	E. x N.	3	bc	bc,b,c	c	bc,bz,c	5	7	ci-cu/nb	cu/cu-nb	N.E.	E.N.E.	..	Trace	10·4	M	L	5	0	7
E.	4	S.E.	4	o	oc,bc	c	oir,tl	9	8	cu-nb	ci/cu-nb	E.	S.E.	..	0·41	6·2	L	L	0	0	8
E.N.E.	4	E. x N.	4	bc	bc,cr,bc	bc	c,oRtl,bc	6	5	cu-nb	ci/cu/nb	E.N.E.	E. x N.	0·09	0·02	10·0	L	K	2	1	9
E.N.E.	2	S.E.	3	bc	bc,b,o	o	odt,lr	4	9	cu	cu-nb	E.	S.E.	Trace	0·12	6·2	L	L	0	0	10
E.	3	S.E.	3	o	or,c,bc	bc	optl,c	9	6	cu/nb	ci-cu/cu/cu	E.	E. x S.	0·08	0·30	4·3	L	L	1	0	11
S.E.	1	E.S.E.	4	c	c	c	c,op,c	7	7	ci/cu-nb	st-cu/cu	E. x S.	E. x S.	..	0·22	6·5	L	L	1	0	12
E.N.E.	3	S.E.xE.	4	c	bc,b	bc	bc	8	4	cu-nb	ci/cu/cu-nb	E.N.E.	E.S.E.	..	..	8·8	L	L	1	0	13
S.E.	3	S.E.	4	bc	bc	bc	cpq,b	5	4	cu/cu-nb	cu/cu-nb	S.E.	S.E.	..	0·08	11·0	L	M	0	0	14
E.	4	E.S.E.	4	b	b,bc	bc	bc,c,oR	1	5	fr-cu	ci/fr-cu	E.	E.	..	0·27	10·2	L	L	0	0	15
N.E.	3	E.S.E.	3	bc	cp,bc	c	c,or,d	6	7	cu-nb	cu-nb	N.E.	E.S.E.	0·01	0·10	7·5	J	L	1	0	16
N.E. x N.	1	S.E.	4	o	c,bc	c	cz,p	10	8	st	cu-nb	..	E.S.E.	Trace	0·33	5·3	L	L	1	0	17
Calm	0	S.S.W.	2	c	c,bc,c	c	c,oR	7	7	a-cu/cu	cu/cu-nb	..	..	..	0·33	6·9	L	M	2	0	18
N.W.	1	S.S.E.	5	c	c,bcq	bcq	cq,o,bc	7	5	cu-nb	cu/cu-nb	S.E.	S.S.E.	..	..	7·1	M	M	2	0	19
N.E.	2	E.	4	bc	bc,cp	c	oir,Rq	6	8	cu/cu-nb	cu-nb	N.E.	E.	0·10	6·59	5·3	L	L	0	1	20
E. x S.	4	E.	4	oirq	oRRq	oRR	oiRq	10	10	nb	nb	E.	E.	2·46	1·58	0·0	I	I	2	2	21
E.N.E.	5	N.E.	5/6	oq	oiRqtl	oiRq	oiRqtl	10	10	nb	nb	E.N.E.	N.E.	0·13	1·59	0·0	K	I	2	2	22
N.E.'ly	5	N.E./N	4/5	oq	oq	oq	ortl,bc	10	10	st/nb	st/cu/nb	E. x N.	N.N.E.	Trace	0·03	2·2	K	K	2	2	23
N. x E.	3	S.S.E.	2	bc	bc,c,or	o	ol,bc,b	4	9	ci/cu	st/cu/nb	N.W.	..	0·02	..	7·9	L	L	2	1	24
Calm	0	S.W. x W	5	bc	b,bc	bc	bc,b	6	5	cu	cu-nb	N.N.W.	W.S.W.	..	Trace	9·4	L	L	5	0	25
W. x S.	5	W.S.W.	6	bc	bc,b	bz	zb	4	3	ci/cu	cu	..	S.W.	..	Trace	10·5	L	K	0	0	26
W. x S.	3	S.W. x W	4	bz	bz,bc,c	c	c,b	1	8	cu	cu/cu-nb	..	W.	..	Trace	9·4	K	M	5	0	27
Calm	0	S.S.W.	3	b	b,bc	bc	c,or,bc	1	6	cu	cu/cu-nb	..	..	..	0·18	9·6	L	M	5	0	28
..	69	..	101	..	....	..	....	168	190	....	....	..	..	3·00	16·91	205·0	..	..	..	..	Totals
..	2·5	..	3·6	..	....	..	....	6·0	6·8	....	....	..	..	19·91		7·3	..	..	..	.	Means

REMARKS.

Date.

1. Thunder and Lighting 14h. Drizzle 15h. 15m. to 15h. 20m. Heavy rain 21h. 20m. to 22h. 30m., thence drizzle. Continous thunder and lightning.
2. Drizzle to 3h. Lightning 20h to 21h.
3. Light shower 9h. 30m. Passing showers 13h. to 20h. 30m. Heavy rain to 21h., thence drizzle to 23h. 30m. Squally from S. and S.W. 16h. to 19h. maximum gust 23 m.p.h.
4. Cloudy during the day. Clear night.
5. Fine and clear. Squall from S.W. 23 m.p.h. at 19h. 10m. to 20h. with rain.
6. Squall from S. 3h. for three minutes up to 15 m.p.h.
7. Fine and clear. Lunar halo at night from 19h. 30m.
8. Lightning 20h. Thunderstorm and intermittent rain 21h. 30m. to 23h. 45m.
9. Heavy shower 13h. 10m. to 13h. 15m. Light rain 21h. 30m. to 21h. 40m. Thunderstorm 20h. to 23h.
10. Changy winds. Thunderstorm 15h. 35m to 16h.
11. Drizzle 3h. 35m. to 5h. 40m. thence moderate rain to 5h. 45h. Light rain 9h. 30m. to 11h. Passing showers and thunderstorm 19h. 30m to 23h.
12. Passing showers 18h. 55m.
13. Passing showers to 0h. 55m. Heavy shower at 8h.
14. Passing showers and squally 16h.; showers to 20h. 25m.
15. Fine and clear. Shower 21h. 55m. to 21h. 58m.
16. Heavy rain 6h. 5m. to 6h. 25m. Shower 13h. 30m to 13h. 31m.
17. Rain 4h. 55m. to 5h. thence drizzle to 5h. 15m. Passing showers 21h. 10m. to 23h. 15m.
18. Passing showers 4h. to 6h. 35m. Rain 20h. 5m. to 21h. 20m.

Date.

19. Rain 0h. 30m. to 0h. 35m. and 8h. 10m. to 8h. 20m. Threatening cu-nb clouds in sky. Squally S.S.E. winds 14h. to 18h.
20. Passing showers 10h. 5m. to 13h. 5m. Moderate and heavy intermittent rain and squally 16h.
21. Torrential rain 1h. to 3h. 45m., and squally Easterly winds. Heavy rain 10h. 20m to 15h. 30m. thence intermittent rain to 20h.
22. Densly overcase and squally E.N.E. winds. Intermittent rain 10h. to 17h. 15m. (squalls up to 30 m.p.h.) scud from N.E. in afternoon. Tornado 17h. 40m. Thunderstorm 14h. to 14h. 15m. and at night.
23. Sudden squall from N.N.W. to W.N.W. (30 m.p.h.) 2h. 20m. Severe thunderstorm 2h. to 3h. Heavy intermittent rain 0h. 25m to 5h. Rain 18h. 20m to 18h. 23m. Reddish glow at and after sunste. Thunderstorm at night.
24. Rain 14h. to 14h. 30m. Reddish glow at and after sunset. Lightining 18h. to 24h.
25. Dew on grass; heavy swell outside reef; moderate to strong S. Westerly winds. Reddish glow at and after sunset.
26. Fine and half cloudy morning. Light to strong Westerly winds. Slight haze in afternoon. Clear night.
27. Dew in morning; fine but hazy; fresh S. Westerly winds during the day. Sun appeared as a red ball through stratus clouds just before setting.
28. Fine all day with gentle S. Westerly winds. Cloudy at night. Rain 21h. 50m. to 21h. 55m.

ADDITIONAL NOTES.

On Saturday 22nd, very heavy rains and squally winds from E.N.E. were experienced. At this time there was a cyclonic disturbance to N. W. of Suva. There was a rather rapid fall in the barometer after 10h. when at 17h. it commenced to rise. At 17h. 40m., the barometer suddenly fell from 29·65 to 29·44 and rose again to 29·65 in approximately one minute. At the same instant a whirl wind or torando struck the Government Slip and Messrs. Terry and Son's works, passing close to this office where the maximum velocity of wind recorded by Dines' Pressure Tube Anemometer was 77 m.p.h. It appeared to originate near the Tamavua Hills and moving in a S. Westerly direction, crossed the harbour and disappeared over the reef a short distance S. E. of the Pile Light. Considerable damage was done to buildings and trees in the path of the storm; the A.K. "Helena" (59 tons) was lifted bodily off the Government Slipway and blown against a shed approximately 10 yards distant; Half of Messrs. Terry and Sons' works was demolished; two dinghys were seen to be lifted up in the centre of the whirl and carried away. The following weather reports were received from the S.S. "Tofua" 25th 9 a.m. 25S. 176E. 29·88, 74, 70, E.S.E. 5, c, rather rough. 25th 3 p.m. 24S. 177E. 29·60, 74, 73, S.E. 8, gq, heavy seas 25th 8 p.m. 22·52S. 177·12E. 29·33, 75, S.S.W. 10, orq. 26th 9 a.m. 21S. 177E. 29·70, 78, 76, S.W. 4, c, rather rough. This cyclone passed N.W., W., S.W. and S. of Suva.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

MARCH, 1930.

MARCH.

Day.	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	Max.	Min.	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	Percentage. I	II
			Tenths.				Whole Degrees.				Tenths.							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	in.	in.	°	°	°	°		°	°	°	°	°	°	°	m b.	mb.		
1	29·814	29·723	79·0	75·0	85·4	76·8	86	75	73	151	82·3	82·9	73	73	27·9	27·4	83	67
2	29·791	29·717	81·6	76·2	85·4	76·8	86	74	72	151	82·8	82·6	74	73	28·7	27·4	77	66
3	29·777	29·711	81·2	77·8	85·6	79·0	86	75	73	141	83·4	82·8	76	77	30·7	31·5	86	74
4	29·764	29·719	77·2	76·2	81·0	78·0	85	76	74	130	82·0	83·0	76	77	30·2	31·4	95	87
5	29·785	29·710	82·6	78·4	87·8	79·8	89	76	75	158	82·2	83·0	77	77	32·1	31·4	82	69
6	29·806	29·707	84·0	78·0	87·4	78·0	90	76	74	152	83·0	83·0	75	73	30·1	28·0	76	65
7	29·817	29·731	78·0	77·0	86·8	78·2	89	76	74	150	83·3	83·1	77	75	31·2	29·5	95	67
8	29·824	29·741	82·2	77·6	87·2	79·0	89	75	73	151	83·8	83·2	76	76	30·2	30·3	81	69
9	29·853	29·783	85·2	79·0	87·4	79·0	89	76	72	152	84·0	83·0	77	75	31·2	29·5	75	68
10	29·886	29·798	85·2	78·6	90·0	76·0	92	79	75	165	84·0	82·0	76	69	30·4	24·4	74	51
11	29·885	29·879	86·8	80·0	88·0	80·0	90	78	75	152	84·0	82·0	77	77	31·9	31·4	73	69
12	29·901	29·829	83·5	80·0	81·0	79·0	89	78	75	155	84·5	83·0	79	78	34·0	33·0	86	91
13	29·873	29·820	84·8	79·0	88·0	81·0	90	79	73	150	84·5	82·5	77	78	31·2	33·0	76	73
14	29·868	29·785	84·2	79·0	87·4	80·0	88	78	76	151	84·9	83·8	77	76	31·6	31·1	79	72
15	29·851	29·772	80·0	77·2	81·6	78·2	89	77	75	154	84·2	83·6	76	77	30·2	31·7	88	86
16	29·841	29·800	82·0	78·0	86·0	81·0	86	76	74	147	84·0	82·5	76	79	31·0	33·9	83	80
17	29·844	29·770	83·0	79·2	86·0	79·8	87	76	73	149	85·0	84·1	77	78	32·1	32·3	84	75
18	29·786	29·687	77·4	74·0	83·8	77·4	85	76	74	150	85·3	85·0	72	75	26·6	29·3	85	74
19	29·761	29·708	75·6	74·0	80·8	74·6	83	74	73	129	84·7	84·7	74	72	28·5	27·0	93	74
20	29·834	29·783	80·0	72·0	80·2	73·0	82	73	71	136	83·0	84·0	68	69	23·3	24·6	66	70
21	29·843	29·770	79·0	74·4	80·4	73·0	84	71	69	150	82·8	83·7	72	69	27·2	23·9	80	69
22	29·819	29·777	79·1	74·1	79·4	72·0	83	70	68	140	82·8	83·2	72	68	26·5	23·0	79	69
23	29·852	29·783	82·8	75·0	84·4	75·0	86	71	69	148	82·6	83·0	71	70	26·1	24·9	68	63
24	29·846	29·753	83·2	78·8	77·6	76·4	86	76	72	149	82·8	83·0	77	77	31·3	31·2	82	94
25	29·810	29·742	79·8	74·8	82·2	78·4	86	76	74	154	82·0	82·8	73	76	27·4	31·0	79	84
26	29·821	29·759	81·4	76·8	82·4	77·6	85	76	75	134	82·4	83·0	75	75	29·2	29·5	81	80
27	29·873	29·821	80·2	78·0	80·2	78·0	86	76	72	151	82·6	83·0	77	77	31·9	31·9	90	90
28	29·914	29·843	76·6	75·8	81·6	78·2	84	75	70	149	81·2	83·0	76	77	30·2	31·7	96	86
29	29·922	29·827	77·2	76·0	81·6	77·6	83	75	72	151	82·0	82·9	76	76	30·2	31·0	94	83
30	29·901	29·822	78·8	72·4	77·9	70·1	81	75	73	121	82·2	82·7	69	66	24·4	21·5	72	66
31	29·803	29·715	80·6	72·0	80·8	72·0	85	76	71	148	81·2	82·3	68	67	23·5	22·8	64	63
Totals	924·965	922·785	2512·2	2374·3	2595·3	2392·9	2679	2340	2259	4569	2579·5	2576·4	2316	2302	911·1	900·5	2522	2294
Means	29·838	29·767	81·0	76·6	83·7	77·2	86·4	75·5	72·9	147·4	83·2	83·1	74·7	74·3	29·4	29·0	81·4	74·0

METEOROLOGICAL SUMMARY FOR MONTH OF MARCH, 1930.

Highest Pressure—29·922″ at 8.30 a.m. on 29th.
Lowest Pressure—29·687″ at 3.30 p.m. on 18th.
Highest Temperature in Shade—92° on 10th.
Lowest Temperature in Shade—70° on 22nd.
Greatest Range—15° on 23rd .
Least Range—6° on 30th.
Mean Temperature for Month—81·0°.
Greatest Humidity—96 per cent. at 8.30 a.m. on 28th.
Least Humidity—51 per cent. at 3.30 p.m. on 10th.
No. of Days of—Rain, 23; Hail, 0; Thunderstorm, 4; Fog, 0; Gales (force 8 or more), 0.

VISIBILITY SUMMARY—NO. OF CASES OF

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
I	0	0	0	0	0	0	0	1	0	1	1	6	16	6
II	0	0	0	0	0	0	0	0	1	2	1	2	18	7

RAINFALL:—Total, 14·20″; average, 14·42″ for 46 years; difference from normal —0·22; greatest fall in 24 hours, 2·74 on 24th.

AMOUNT OF CLOUD.

Hour.	Number of cases of total cloud amount of. 0	1/3	4/6	7/9	10
I	0	7	5	13	6
II	0	5	7	9	10

WIND SUMMARY.

	Force 8 or more.	4/7.	1/3.	Calms.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	4	17	10	2	1	5	1	4	0	3	0	2	0	0	0	1	0	0	2
3.30 p.m.	0	8	23	0	0	0	3	4	2	2	8	3	3	0	3	0	1	0	1	1
	0	12	40	10	2	1	8	5	6	2	11	3	5	0	3	0	2	0	1	3

Prevailing Direction, S.E.; 8.30 a.m., N.E.; 3.30 p.m., S.E.
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—1110 yards, G—1¼ mile, H—2½ miles, I—4½ miles, J—6¼ miles, K—12½ miles, L—18¾ miles, M—31 miles.

MARCH.

Wind Direction and Force (Beaufort Scale). I		II		Weather (Beaufort Letters). At time of Observation I.	During day 1 to 2.	At time of Observation II.	During night II to I.	Cloud. Amount (0–10) I	II	Form. I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day measured at 15h. 30m.	17 hours measured next morning at 18h. 30m.	Sunshine. Hours and tenths.	Visibility I	II	State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	Fce.	Dir.	Fce.											in.	in.						
Calm	0	S.E./S.	3	c	bc,b	b	b,bc	7	1	cu/cu-nb	ci/fr-cu	..	S.S.E.	..	Trace	11·2	M	M	1	0	1
Calm	0	S.S.E.	3	b	b	b	b,bc	3	1	cu	cu	..	..	..	Trace	11·4	L	L	5	0	2
Calm	0	S.E.'ly	3	c	bc,pc,z	cz	oz,pq	7	7	cu	st-cu	E.	S.E.	0·02	1·92	4·2	I	H	5	0	3
Calm	0	E.N.E.	2	c	cp	c	cp,bc	8	7	cu/nb	st/cu/nb	..	..	0·28	0·19	2·4	M	L	2	2	4
N.E.	2	N.E.'ly	4	bc	c,bc	bc	bl,cp,b	6	4	cu-nb	fr-cu/cu-nb	E.N.E.	N.E.	..	0·02	11·1	L	M	2	0	5
N.E.'ly	2	N.E.'ly	4	b	b	b	bl,oir	1	3	fr-cu	fr-cu	N.E.	N.E.	..	0·37	11·7	M	M	0	0	6
S.E./E.	3	E.S.E.	3	oir	oir,bc,b	b	b,bc	9	1	cu-nb nb	fr-cu	S.E.	..	0·01	Trace	10·6	K	L	2	0	7
Calm	0	S.E.	3	b	b,bc	bc	c,olr,bc	3	5	cu/cu-nb	cu	E.	S.E.	..	0·07	9·6	L	L	5	0	8
E.	1/2	N.E.	4	bc	b,bc	bc	bc,c	3	6	cu	ci/cu	N.	N.N.E.	..	..	8·5	K	L	1	0	9
N.E.	1	E.N.E.	3	c	bc,c,o	o	o,l,c	8	9	cu/cu-nb	cu-nb	..	..	..	..	6·3	L	L	0	0	10
N.E.	2	S.E.	4	bc	cr,bc	bc	c,l,op	5	5	ci/cu-nb	ci/cu-nb	..	..	0·07	0·65	8·0	K	L	0	0	11
E.	3	E.	1	bc	bcq,op	op	op,c,bc	6	10	cu/cu-nb	cu-nb	..	..	0·11	0·05	5·4	K	L	1	1	12
E.	3	E.S.E.	4	bc	bc	bc	bc,c,opq	5	6	ci/cu/cu-nb	cu/cu-nb	..	..	..	0·34	9·3	L	L	1	0	13
E.'ly	4	E.N.E.	4	cpq	p	cp	cp,or,c	7	7	cu/cu-nb	cu-nb	E.	E.N.E.	0·29	0·15	3·0	L	J	2	2	14
E.N.E.	1	W.'ly	3	c	c,bc,otl	od	od,R,c	8	10	st	st/nb	..	..	..	0·72	4·8	L	I	2	1	15
Calm	0	S./W.	3	bc	b,bc,c	bc	c,od,bc	5	5	ci/ci-cu	ci/cu-nb	..	S.	..	0·03	7·8	L	L	5	0	16
Calm	0	S.W./S.	3	b	b,bc	bc	c,olp,d	2	4	ci/fr-cu	ci/cu	..	S.W.	..	0·29	10·6	L	M	5	0	17
V.A.R.	0/1	S.	3	od	od,r,bc	b	bc,c,l,oir	10	2	nb	fr-cu/cu-nb	..	S.	0·05	0·75	3·1	L	M	2	0	18
S./E.	4	S.S.E.	2	oir	oiR	c	c,oir	10	8	nb	cu-nb	S.	S.S.W.	1·03	0·22	0·5	G	L	2	2	19
S./E.	2	S.E.	2	o	c,o	o	o,c	9	9	cu-nb	cu-nb	..	..	..	Trace	1·9	M	M	2	1	20
Calm	0	S.E.	3	c	c,o	o	oir,bc,b	7	10	cu-nb	st/nb	..	S.E.	..	0·09	4·9	L	L	1	0	21
N./W.	1	E./S.	1	b	bc,c	o	bc,b	2	10	cu	cu-nb	N.N.W.	..	..	..	4·0	L	L	1	0	22
N.E.	2	E.N.E.	3	b	b,bc,c	cz	c,o,bcz	1	7	fr-cu	ci/cu-nb	N.E.	E.N.E	..	Trace	8·3	L	I	0	0	23
N.N.W.	0/1	N.N.W.	1	oz	oRq,tl	odtl	od,l	9	10	st-cu	nb	..	..	2·65	0·09	2·3	J	L	5	2	24
N.N.W.	1	S.E.	3	o	or	o	ol,d	9	10	st/nb	st/nb	..	..	0·10	0·08	0·8	M	M	2	2	25
N.N.E.	2	N.W.	3	o	od	od	od	10	10	st	st/nb	..	N.E.	Trace	0·01	1·2	L	L	2	1	26
N.'ly	1	S.W.'ly	3	o	c,od	od	od,R	9	10	st	st/nb	..	S.W.	0·04	1·83	0·7	M	K	1	2	27
Calm	0	S.W./S.	1	og	c,o	og	oqirtld	10	10	st/nb	st/nb	..	S.W.	..	0·98	0·7	K	K	2	2	28
W.	1	S.	3	od	od,c	c	oirtlq	10	7	st/nb	ci/a-cu/cu	..	S.S.E.	0·02	0·65	4·3	L	L	2	1	29
S.E.	4/5	S.S.E.	4	oq	oq	o	o,cq	10	10	cu/cu-nb	st/nb	S.E.	S.E.	Trace	Trace	0·1	K	L	2	1	30
S.E.	4	S.E./E.	4	cq	bc,cq	cq	opq,bc	7	7	ci/ci-st/cu	cu/cu-nb	S.E.	S.E.	..	0·08	9·3	L	L	1	0	31
..	48	..	90	..	....	..	....	206	211	....	....	..	..	4·67	9·53	178·0	..	..	..	..	Totals
..	1·5	..	2·9	..	....	..	....	6·6	6·8	....	....	..	..	..	..	5·7	..	..	..	.	Means

REMARKS.

Date.

1. Rain 0h. 50m. Fine all day with W.S.W. to S.S.W. winds. Excellent visibility during the afternoon.
2. Dew on grass in morning and calm. Westerly airs 9h. thence gently S.S.E. breeze to 17h. Fine and clear all day.
3. Hazy and dew on grass in morning. Heavy passing showers and squally 19h. 10m., drizzle 22h. 30m. (Squalls up to 24 m.p.h.)
4. Heavy passing showers and squally S.E. to N.E. winds 2h. 20m. to 7h. 15m. Maximum squall from N.N.E 23 m.p.h. Heavy showers at 13h. 40m. and 19h. 40m. Squall 13h. 40m. (18 m.p.h.)
5. Fine and clear all day and night. Lightning to N.N.E. 19h. to 22h.
6. Light shower 1h. 15m. for one minute. Fine and clear all day and night. Lightning 19h. to 24h.
7. Overcast, intermittent rain 3h. 50m. to 11h. Clear night.
8. Fine and clear all day; changy winds; Cloudy at night with lightning.
9. Light rain 0h. 10m. to 0h. 15m.; changy winds; half cloudy at night with lightning.
10. Cloudy all day and night with N. Easterly winds Lightning at night.
11. Fine and half cloudy in early morning. Rain 11h. to 11h. 5m. Lightning at night and cloudy.
12. Heavy passing showers 2h. 20m. to 4h. 35m. Squally Easterly winds during the day. Passing showers 15h. 20m. to 15h. 35m.
13. Fine and half cloudy during the day. Squally winds 17h. Passing showers 23h.
14. Passing showers to 8h. 30m. and squally E. winds up to 30 m.p.h. Passing showers 10h. 30m. to 16h. Cloudy night.
15. Rain 6h. 5m. to 6h. 7m. Thunderstorm 14h. 30m. to 15h. Drizzle 15h. 30m., heavy rain 16h. to 16h. 30m. thence drizzle to 17h.
16. Fine and half cloudy in the morning, dew on grass. Drizzle 18h. 45m. to 19h. Clear night.
17. Fine clear and calm in the morning. Overcast, passing showers 22h. 55m. Lighting 20h. to 22h.

Date.

18. Passing showers to 1h. 30m.; drizzle 6h. 30m. to 9h. Shower 19h. 20m. for two minutes. Lighting 20h. 30m. to 22h. Lunar bow to N.W. 21h. 30m. Intermittent rain 23h. 20m.
19. Moderate S.E. breeze 2h. and intermittent rain to 16h. 20m. Intermittent rain 22h.
20. Intermittent rain to 5h. 30m. Cloudy all day and night. Trace of rain 21h. 50m.
21. Fine but cloudy all day, changy winds, intermitten train 20h. 40m. to 23h. 50m.
22. Fine and clear in morning, dew on grass, cloudy during the afternoon, clear night.
23. Fine and clear in morning with N. Easterly winds. Cloudy and hazy in afternoon, cloudy night.
24. Dew on grass in morning and hazy, changy winds. Torrential rain 13h. 45m. to 15h. thence drizzle to 16h. Squall from W.N.W. (24 m.p.h.) with severe thunderstorm to 15h. 35m. lightning continued through the night.
25. Drizzle 2h. 45m. to 5h. Overcast and dull 6h. Rain 15h. 10m. to 15h. 15m. Cloudy at night with lightning to N.N.E.
26. Drizzle 0h. 25m. to 0h. 50m. Cloudy all day. Thin drizzle 15h. 20m. to 15h. 35m. and 21h. to 21h. 10m.
27. Fine but overcast in morning. Drizzle 14h. 50m. to 15h, 30m. Threatning bank of low nimbus clouds to S.W. 13h. passing over Suva later.
28. Drizzle 0h. to 4h. 59m. thence rain to 5h. Torrential rain 6h. 45m. to 7h. 35m. Drizzle 8h. to 8h. 10m Waterspout 15h. 47m. Intermittent rain 15h. 33m. to 18h. 40m. Severe thunderstorm 19h. to 23h.
29. Drizzle 5h. 30m. to 5h. 40m and 7h. 45m. to 9h. Moderate to fresh squally S.E. breeze 18h. 15m. Intermittent rain 18h. 30m. Thunderstorm 19h. to 23h. 30m.
30. Intermittent rain to 3h. Squally moderate to fresh S.E. breeze. Cloudy all day and night.
31. Fine and ¾ cloudy in morning. Squally moderate S.E. breeze. Passing showers 18h. 15m. to 20h. 25m. Maximum squall 20 m.p.h. from E.S.E. at 20h. 10m.

ADDITIONAL NOTES.

The following weather reports were received from the S.S. "Tofua." 25th 9 a.m. 24 S. 177 E. 29·77, 76, 73, N.E. 5, overcast. 26th 9 a.m. 20 S. 177 E. 29·78, 78 76, N.W. by N. 6, orq, rough sea. It is believed that a cyclone passed W. of Suva moving approximately S.S.E. and passing S.W. of S.S. "Tofua."

At 15h. 30m., 28th a dense nimbus cloud was visible to S.S.W. moving in a N.N.E. direction. A waterspout formed in this cloud when within a short distance S.E. of this station. As it passed over there was a very slight fall in the barometer and the wind reached 19 m.p.h. from S.W. at 15h. 47m. it passed over the wharf reclamation, Messrs. Terry and Sons' works and the Government Slip, breaking up near the Northern extremity of the harbour. A few sheets of iron were lifted off Messrs. Terry and Sons' boat shed. As far as could be seen, it is estimated that the upper column (which was perpendicular) came within 200 feet of the lower, when it hit the land and broke up. The waterspout was revolving clockwise.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

APRIL, 1930.

APRIL.

Day.	Air Pressure at Mean Sea Level in the Units of Measurement.		Temperature (degrees F.)										Humidity.					
			In Screen.				Max.	Min.	In Open.		In Ground.		Dew Point.		Vapour Pressure.		Percentage.	
			Dry.	Wet.	Dry.	Wet.			Grass Min. Eve. to Morn.	Max. in Sun Black Bulb in vacuo.	I							
	I	II	I		II						1 foot.	4 feet.	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)
	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.		
1	29·768	29·717	78·8	74·4	80·8	75·0	86	76	75	151	81·5	82·3	72	72	27·2	27·0	80	75
2	29·806	29·778	82·2	74·0	83·2	74·8	86	72	70	150	81·7	81·6	70	70	25·1	25·4	67	67
3	29·851	29·819	80·2	73·4	83·1	74·8	85	84	71	151	81·9	81·3	69	70	24·6	25·4	71	67
4	29·866	29·793	82·2	72·4	81·0	72·0	86	76	73	148	81·7	81·3	67	67	22·4	22·8	61	63
5	29·832	29·749	80·0	73·0	82·0	72·0	85	69	66	144	81·0	81·5	69	67	24·6	22·4	70	60
6	29·818	29·785	80·0	74·0	81·0	73·0	86	71	70	148	81·0	82·0	71	69	26·0	24·2	74	67
7	29·892	29·821	80·0	75·2	82·0	74·0	86	72	69	148	81·6	81·5	73	70	27·4	25·1	79	67
8	29·941	29·845	80·6	75·0	81·6	73·8	86	72	69	146	81·5	81·7	73	70	27·7	25·1	76	68
9	29·914	29·826	81·0	75·2	82·9	75·1	86	72	69	145	81·5	81·8	72	71	27·0	26·1	76	68
10	29·910	29·840	83·2	74·8	83·1	74·7	88	73	70	147	81·6	81·6	70	70	25·4	25·4	67	67
11	29·916	29·839	83·2	75·0	84·8	74·6	89	71	69	148	81·4	81·7	71	70	26·1	25·2	67	60
12	29·908	29·844	81·2	72·6	84·0	75·8	87	70	68	152	81·2	81·7	68	72	23·5	27·1	65	67
13	29·912	29·799	82·2	78·0	83·0	76·0	87	74	73	146	81·5	81·6	76	73	31·0	27·5	82	71
14	29·897	29·820	81·2	75·0	84·0	74·4	87	73	71	145	81·3	81·6	72	70	27·0	24·9	74	62
15	29·887	29·820	83·0	74·8	84·0	76·4	87	74	70	144	81·7	81·6	71	73	26·1	27·8	67	70
16	29·912	29·842	74·0	74·0	75·8	74·2	82	74	72	150	80·0	81·3	74	74	28·7	28·5	100	93
17	29·915	29·791	78·6	75·0	82·6	75·8	84	73	72	141	80·1	81·4	74	73	28·6	27·5	84	72
18	29·842	29·751	81·0	76·0	80·0	77·0	86	74	71	154	81·0	82·0	74	76	28·4	30·3	79	87
19	29·910	29·807	80·0	75·0	82·0	77·0	83	73	71	139	81·0	81·5	73	75	27·4	29·5	79	79
20	29·940	29·882	80·0	76·0	83·0	78·0	84	73	70	141	80·5	81·5	74	76	28·9	30·5	83	79
21	29·913	29·837	80·5	77·0	83·0	77·0	87	72	69	145	82·0	81·5	76	74	30·7	29·0	85	75
22	29·899	29·783	75·6	75·0	79·0	77·6	84	75	73	146	81·9	81·6	75	77	29·9	31·6	97	94
23	29·805	29·738	82·0	78·0	77·2	76·2	84	75	74	134	81·4	81·6	76	76	31·0	30·2	83	95
24	29·780	29·753	75·4	70·2	79·4	75·0	82	69	67	141	80·4	81·7	67	72	22·8	27·2	77	81
25	29·823	29·731	77·0	74·6	83·2	77·4	85	71	70	144	80·1	81·6	73	74	28·0	29·0	89	76
26	29·828	29·745	79·2	76·0	83·0	76·2	85	73	71	148	80·9	81·3	75	73	29·3	27·5	86	72
27	29·844	29·780	78·0	75·8	81·8	76·2	85	71	69	145	81·0	81·2	75	74	29·8	28·7	90	77
28	29·888	29·845	77·8	75·2	83·8	76·2	86	72	70	147	81·0	81·2	74	73	29·0	27·8	88	70
29	29·989	29·913	80·2	75·0	82·0	75·8	85	73	71	146	81·0	81·0	73	73	27·4	28·0	78	74
30	30·003	29·906	82·2	76·0	80·8	75 2	85	73	70	146	8·09	81·1	73	73	28·0	27·7	74	76
Totals	896 409	894·199	2400·5	2245·6	2457·1	2261·2	2564	2180	2113	4380	2435·3	2446·3	2170	2167	819·0	814·4	2348	2199
Means	29·880	29·807	80·0	74·9	81·9	75·4	85·5	72·7	70·4	146·0	81·2	81·5	72·3	72·2	27·3	27·1	78·3	73·2

METEOROLOGICAL SUMMARY FOR MONTH OF APRIL, 1930.

Highest Pressure—30·003″ at 8.30 a.m. on 30th.
Lowest Pressure—29·717″ at 3.30 p.m. on 1st.
Highest Temperature in Shade—89°. on 11th.
Lowest Temperature in Shade—69° on 5th and 24th.
Greatest Range—18° on 11th.
Least Range—8° on 16th.
Mean Temperature for Month—79·1°.
Greatest Humidity—100 per cent. at 8.30 a.m. on 16th.
Least Humidity—60 per cent. at 3.30 p.m. on 5th and 11th.
No. of Days of—Rain, 17; Hail, 0; Thunderstorms, 2; Fog, 0; Gales (force 8 or more), 0.

VISIBILITY SUMMARY—NO. OF CASES OF

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8.30 a.m.	0	0	0	0	0	0	1	0	0	1	1	5	21	1
3.30 p.m.	0	0	0	0	0	0	0	1	0	3	1	6	15	4

RAINFALL:—Total, 6·46; average, 12·10″ for 46 years; difference from normal—5·64; greatest fall in 24 hours, 1·66 on 15th.

CLOUD AMOUNT.

Hour.	Number of cases of total cloud amount of. 0	1/3	4/6	7/9	10
8.30 a.m.	1	7	8	11	3
3.30 p.m.	0	8	8	10	4

WIND SUMMARY.

	Force 8 or more.	4/7	1/3	Calms.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	2	19	9	2	1	12	2	1	2	0	0	0	0	0	0	0	0	0	1
3.30 p.m.	0	10	19	1	0	1	1	2	7	8	9	0	1	0	0	0	0	0	0	0
	0	12	38	10	2	2	13	4	8	10	9	0	1	0	0	0	0	0	0	1

Prevailing Direction, N.E.; 8.30 a.m., N.E.; 3.30 p.m., S.E.
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—4½ miles, J—6½ miles, K—12½ miles, L—18½ miles, M—31 miles.

APRIL.

Wind Direction and Force (Beaufort Scale). I		II		Weather (Beaufort Letters). At time of Observation I.	During day 1 to 2.	At time of Observation II.	During night II to I.	Cloud. Amount (0-10) I	II	Form. I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day measured at 15h. 30m.	17 hours measured next morning at 8h. 15m.	Sunshine. Hours and tenths.	Visibility. I	II	State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	Fc.	Dir.	Fc.											in.	in.						
Calm	0	E.S.E.	4	c	bc,c,	c	oirq,bc	7	7	ci/cu	cu/cu-nb	E.S.E.	E.	..	0·12	7·3	L	K	5	0	1
N.E'ly	1	S.E.	3	bc	bc,b	b	b,bc,cr	5	1	cu	fr-cu	N.E.	S.E.	..	0·01	9·8	L	L	1	0	2
E'ly	3/4	S.E./E.	4	c	bc,c	c	cr,bc,b	7	8	ci-cu/cu-nb	cu/cu-nb	E'ly	E.S.E.	..	0·01	7·1	L	L	0	0	3
E.S.E.	3	E.S.E.	4	b	b,bc,c,	c	cz,bc,b	3	7	cu/cu-nb	cu/cu-nb	S.E.	E.S.E.	..	..	6·8	L	L	0	0	4
Calm	0	S.E.	3	b	b	b	b,bc	1	1	fr-cu	fr-cu	E.	S.E.	..	..	9·8	K	L	5	0	5
N.E.	1	S.E.	3	bc	c,bc	bc	bc,cd	5	5	ci/cu	ci/cu	E.	S.E.	..	0·03	8·8	L	L	5	0	6
N.N.W.	1	S.E.	3	bc	bc,c	c	c,bc	4	7	cu/cu-nb	cu/cu-nb	E.	E.S.E.	..	..	5·8	L	M	5	0	7
N'ly	1	E.S.E.	3	c	c	c	c,od,c	7	8	ci/ci-st/cu	ci-st/cu	..	..	..	0·03	7·3	L	M	0	0	8
N.E./E.	1	E.S.E.	4	c	c,bc	bcz	bcz,b,bc	8	6	ci/cu-nb	st-cu/cu	E.	E.S.E.	..	..	7·9	L	I	0	0	9
N.E.	1	E.	4	bcz	bcz	bcz	bz	4	5	cu/fr-cu	cu	..	E.	..	..	9·5	K	K	0	0	10
N.E.	2	N.E.	4	b	bz	bz	bz	1	3	cu	cu	E.N.E.	E.N.E.	..	..	10·3	L	J	0	0	11
N'ly	1	S.E./E.	4	b	b,bc,c	c	b,c,oirq	3	7	ci/cu	ci/ci-cu/cu	..	E.S.E.	..	0·26	6·2	L	M	5	0	12
N.E.	1	E.	4	bc	b,bc	bc	b,cd,bc	5	5	cu/cu-nb	cu-nb	N.E.	E.	..	0·06	9·7	L	L	0	0	13
E.N.E.	1	E.S.E.	4	bc	bc,bz	bz	bzbc	6	2	cu/cu-nb	cu	E.	E.S.E.	..	Trace	10·4	L	K	0	0	14
N.E.	3	E.	4	b	b	b	b,c,orRq	1	3	cu	cu	N.E.	E.	..	1·66	8·4	L	L	5	0	15
E.S.E.	4	E.N.E.	3	oRq	oRqc,oir	oir	oir,c	10	10	nb	nb	E.S.E.	E.N.E.	0·38	0·81	0·8	F	I	2	2	16
N.E.	1	E	3	o	o,c,b	b	b,bc,c	9	2	cu-nb	fr-cu	..	..	..	..	7·4	K	L	2	1	17
N.E.	1	N.N.E.	2	c	c,od	o	oir,c,b	8	9	cu-nb	cu-nb	..	N.N.E.	0·02	0·39	4·2	L	L	0	0	18
Calm	0	S.	2	b	b	b	b,bc	0	3	....	cu	..	S.	..	..	9·9	L	L	1	1	19
Calm	0	S.E.	2	b	b,bc	bc	bc,b	2	5	ci/cu	cu/cu-nb	S.	S.E.	..	0·01	9·2	L	L	0	0	20
Calm	0	E.S.E.	2	b	b,bc	b	b,c,oir	3	3	cu/cu-nb	cu/cu-nb	..	..	..	1·04	9·0	L	L	5	0	21
N.E.	2	E.N.E.	1	oiR	o	oir	odtlc	10	9	nb	cu/st-nb/nb	..	..	0·12	0·02	1·5	I	L	2	2	22
N.E.	1	E.	2/3	c	c,orq,tl	or	or,tl,dd	7	10	cu/nb	st/nb	N.E.	E.N.E.	0·14	1·19	1·5	K	G	2	2	23
N.N.E.	1	Calm	0	c,o	c,o	o	orl,c	9	10	st-cu	st	..	..	..	0·07	0·9	M	M	2	2	24
Calm	0	E.S.E.	3	o	o,c,bc	bc	bc	9	5	st-cu/st-nb	ci/ci-st/cu	..	..	..	0·01	6·7	L	L	2	1	25
Calm	0	S.E.	2	bc	bc	bc	bc,c,o	6	6	ci/cu/cu-nb	ci/st-cu/cu	..	..	..	Trace	9·2	L	K	5	0	26
Calm	0	S.E.	3	o	c,o	oz	oz,c,bc	10	10	st	st	..	..	..	Trace	2·6	K	K	5	0	27
Calm	0	E.	3	bcz	bcz	bcz	bcz,b,c	5	6	ci/st-cu	ci/ci-st/cu	..	E.	..	Trace	7·4	I	I	5	0	28
N.E.	3	E.	3	c	bc,z,c	cz	cz,bc,cp	8	7	ci-cu/st-cu	ci-st/cu	..	E.N.E.	..	0·08	7·5	L	K	5	0	29
E.N.E.	2	E.S.E.	3	c	c	c	c,o	7	8	cu/cu-nb	cu/st-cu	E.N.E.	..	..	..	6·4	L	L	0	0	30
..	36	..	90	..	....	..	....	170	178	....	....	..	..	0·66	5·80	209·3	..	..	..	..	Totals
..	1·2	..	3·0	..	....	..	....	5·7	5·9	....	....	..	..	..	..	7·0	..	..	..	..	Means

REMARKS.

Date.

1. Fine and cloudy in morning, dew on grass, unsteady winds. Squally E.S.E. wind 16h. 20m. Intermittent rain 17h. 15m. to 19h. 40m.
2. Fine half cloudy in morning with N.E. winds, gradually working to S.E. by 15h. Wind changed to E. 17h. falling off.
3. Light rain 3h. 40m. for 2 minutes. Fine but cloudy during the day with moderate Easterly winds. Light rain 22h. 15m. for one minute.
4. Dew on grass in morning and fine and clear. Light to moderate E.S.E. wind falling off after 17h. Hazy after 16h.
5. Fine and clear in the morning, dew on grass. Gentle S.E. breeze 9h. 30m. falling off after 18h. 20m. Clear night.
6. Dew on grass in morning. Half cloudy all day with S.E. breeze.
7. Drizzle 4h. to 4h. 15m., dew in morning and Northerly airs. S.E. breeze after 11h. Cloudy in afternoon and evening.
8. Fine and half cloudy in morning with Northerly airs. Cloudy all day with E. and E.S.E. winds, falling off after 15h.
9. Drizzle 6h. to 6h. 10m. Fine but hazy during the day with moderate E. breeze falling off after 17h.
10. Few clouds in sky and hazy during the day and night, N.E. and E. breeze during the day, calm at night.
11. Fine and clear in the morning, N.E. breeze blowing. Fine but hazy all day. Calm at night.
12. Fine and clear in the morning, dew on grass, mares tails in sky. Intermittent rain 20h. 30m. Squall from S.E. 22h. 5m. up to 24 m.p.h.
13. Intermittent rain to 0h. 50m. Fine all day with moderate E. winds. Drizzle 23h. 45m. to 23h. 55m.
14. Fine all day with moderate E. winds and slight haze. Few clouds in sky.
15. Fine and clear, dew on grass in morning. N.E. and E. winds during the day. Clear night. Lunar halo. observed 21h. to 23h. 30m.
16. Light rain 2h. 50m. to 3h. 15m. Heavy rain and squally 7h. 45m. (maximum squall 26 m.p.h. from S.E. by S. at 18h. 12m.) to 9h., thence light rain to 10h. Intermittent rain 12h. 30m. to 18h. 30m. Cloudy night.

Date.

17. Light rain 4h. 10m. to 4h. 55m. Fine but cloudy in morning. Clear after 13h. N.E. and E. winds during the day.
18. Light to moderate N.E. and E. winds. Drizzle 14h. 30m. to 14h. 40m. variable airs 18h. and light intermittent rain to 22h.
19. Westerly airs in early morning. Light rain 1h. to 2h. 50m. Southerly breeze 10h. Fine and clear all day and night.
20. Fine and clear all day with S. and S.E. winds. Clear night with var. Northerly airs.
21. Dew on grass in morning, fine and clear all day with S. to S.E. winds. Clear night with Northerly airs.
22. Intermittent rain 6h. to 9h. and 13h. to 14h. 10m., and N. Easterly winds. Thunderstorm 21h. to 23h. Drizzle 20h. 45m to 21h.
23. Light rain 11h. 50m. to 15h. 40m., thence moderate rain to 22h., thence drizzle. Squall from E. 11h. 45m. (23 m.p.h.) Thunderstorm 13h. 15m. to 14h. 15m. and 19h. to 21h.
24. Drizzle to 7h. Light var. winds during the day. Shower at 10h. Light rain 20h. to 21h. 5m. Lightning 21h. to 23h.
25. Fine but overcast in morning. Gentle E.S.E. breeze and half cloudy 13h. 10m. Calm and half cloudy at night.
26. Half cloudy, dew on grass and calm in the morning E.S.E. to S.E. breeze after 9h.
27. Overcast in the morning, dew on grass and calm. Northerly airs 9h. Gentle S.E. breeze 13h. to 16h. 10m. Slight haze during the afternoon.
28. Fine, half cloudy, hazy, dew on grass and Northerly airs in morning. N.E. breeze during the day falling off at 18h. Clear night.
29. Dew on grass in morning. Light N.E. breeze 7h. increasing and working to E. slight haze during the afternoon. Calm 21h.
30. Passing showers 3h. 10m. to 5h. 15m. Fine and cloudy all day with E.S.E. breeze.

ADDITIONAL NOTES.

16th. A waterspout was observed South of Suva distant approximately 20 miles at 5h. 55m.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

MAY, 1930.

MAY.

Day.	Air Pressure at Mean Sea Level in the Units of Measurement.		Temperature (degrees). In Screen.				Max.	Min.	In Open.		In Ground.		Humidity. Dew Point.		Vapour Pressure.		Percentage.	
			Dry.	Wet.	Dry.	Wet.			Grass Min. Eve. to Morn.	Max. in Sun Black Bulb in vacuo.	I 1 foot.	I 4 feet.						
	I	II	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)
	in.	in.	°	°	°	°	°	°	°	°	°	°		°	mb.	mb.		
1	29·903	29·839	80·0	75·4	80·0	76·0	85	73	71	147	80·8	81·0	74	74	28·2	28·9	80	83
2	29·828	29·734	82·8	76·6	84·2	76·2	88	75	73	147	80·7	81·0	74	72	29·0	27·1	74	68
3	29·834	29·745	75·6	74·4	81·8	78·0	84	75	74	138	81·0	81·0	75	76	29·2	31·0	94	84
4	29·853	29·790	82·0	77·0	85·0	78·2	87	71	68	146	80·4	81·1	75	75	29·5	29·6	79	73
5	29·887	29·820	77·8	75·4	82·0	78·0	86	74	72	141	80·8	81·0	74	76	29·0	31·0	89	83
6	29·927	29·851	80·6	77·4	81·4	76·4	84	73	70	150	81·2	81·0	77	74	31·4	28·4	86	79
7	30·000	29·935	77·4	73·4	79·0	74·0	81	76	72	140	81·4	81·1	71	72	26·0	26·5	82	78
8	30·016	29·938	75·4	71·0	78·0	70·6	81	75	71	132	80·7	81·2	68	66	23·5	22·1	80	68
9	29·973	29·894	76·4	73·0	76·2	71·6	80	72	68	134	79·8	81·1	71	69	25·7	24·4	84	79
10	29·964	29·895	76·4	69·8	77·0	69·0	81	73	69	138	79·0	81·0	66	64	21·7	20·7	71	66
11	29·990	29·891	76·2	68·0	75·5	66·5	78	73	67	125	78·4	80·3	63	61	19·8	18·6	64	61
12	29·934	29·838	78·0	68·4	77·8	72·0	80	71	66	120	77·3	79·8	63	69	19·6	24·1	59	75
13	29·898	29·829	77·8	72·6	76·8	74·0	82	70	69	142	76·6	79·5	71	73	28·5	27·3	77	87
14	29·920	29·842	74·2	73·0	73·8	72·4	77	72	71	126	76·2	79·2	72	72	27·3	26·6	94	93
15	29·921	29·850	76·0	74·6	79·0	75·4	81	72	71	147	76·0	79·1	74	74	28·5	28·6	93	84
16	29·948	29·881	76·2	73·4	78·0	73·8	79	74	73	111	77·0	78·9	72	72	26·4	26·9	87	81
17	29·944	29·860	78·4	74·0	78·2	73·0	83	70	68	140	77·0	79·0	71	71	26·2	25·5	80	77
18	29·899	29·837	76·2	73·0	80·4	74·8	84	72	66	142	78·0	79·0	72	72	26·4	26·7	85	76
19	29·890	29·800	77·8	74·8	78·8	75·0	84	73	70	139	78·1	78·7	74	73	28·3	27·9	86	83
20	29·876	29·845	78·0	71·0	76·0	74·8	82	74	73	143	78·0	79·0	67	75	22·8	29·2	70	94
21	29·965	29·898	75·4	73·0	74·8	72·4	82	74	72	111	78·1	78·6	71	71	26·2	26·2	89	88
22	29·939	29·880	77·4	73·2	78·0	72·6	81	71	68	131	77·7	78·8	71	70	26·0	24·8	81	76
23	29·919	29·832	76·0	70·8	74·8	71·8	79	71	70	132	77·7	78·7	68	71	23·7	25·5	77	86
24	29·926	29·868	74·4	69·4	75·2	70·8	78	70	68	138	77·2	78·4	66	68	22·0	23·5	77	80
25	29·967	29·908	75·6	70·4	77·4	71·0	79	70	68	140	77·0	78·0	68	67	23·7	22·6	77	72
26	29·967	29·909	75·2	72·0	74·8	72·2	78	72	70	121	77·0	77·7	71	71	25·5	26·2	85	88
27	30·008	29·946	74·0	70·4	74·6	70·4	77	71	70	105	76·0	77·8	79	69	23·9	34·1	83	80
28	30·049	29·952	73·0	67·4	74·8	68·2	78	71	67	128	75·4	77·5	64	65	20·5	20·9	74	70
29	30·028	29·951	75·2	68·8	75·0	70·0	79	68	65	137	75·0	77·4	65	67	20·9	22·8	71	77
30	30·025	29·946	77·2	73·8	78·0	72·6	81	70	68	136	74·8	76·8	72	70	26·6	24·8	85	76
31	30·081	30·014	74·2	67·8	74·0	68·0	77	70	67	113	75·4	76·5	64	64	20·1	20·7	71	72
Totals	928·279	926·018	2380·8	2243·2	2410·3	2259·7	2516	2236	2155	4140	2419·7	2459·2	2173	2183	783·1	793·2	2484	2437
Means	29·944	29·872	76·8	72·4	77·8	72·9	81·2	72·1	69·5	133·5	78·1	79·3	70·1	70·4	25·3	25·6	80·1	78·6

METEOROLOGICAL SUMMARY FOR MONTH OF MAY, 1930.

Highest Pressure—30·081″ at 8.30 a.m. on 31st.
Lowest Pressure—29·734″ at 3.30 p.m. on 2nd.
Highest Temperature in Shade—88° on 2nd.
Lowest Temperature in Shade—68° on 29th.
Greatest Range—16° on 4th.
Least Range—5° on 7th, 11th, 14th and 16th.
Mean Temperature for Month—76·7°.
Greatest Humidity—94 per cent. at 8.30 a.m. on 3rd and 14th and at 3.30 p.m. on 20th.
Least Humidity—59 per cent. at 8.30 a.m. on 12th.
No. of Days of—Rain, 25; Hail, 0; Thunderstorms, 1; Fog, 0; Gales (force 8 or more), 0.

Visibility Summary—No. of Cases of

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8.30 a.m.	0	0	0	0	0	0	1	0	0	2	1	5	15	7
3.30 p.m.	0	0	0	0	0	0	0	1	3	2	0	4	12	9

Rainfall:—Total, 11·18″; average, 10·03 for 46 years; difference from normal +1·15; greatest fall in 24 hours, 3·69 on 13th.

MAY.

Wind Direction and Force (Beaufort Scale). I		II		Weather (Beaufort Letters). At time of Observation I.	During day 1 to 2.	At time of Observation II.	During night II to I.	Cloud. Amount (0–10) I	II	Form. I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day measured at 15h. 30m.	17 hours measured next morning at 8h. 15m.	Sunshine. Hours and tenths.	Visibility I	II	State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	Fce.	Dir.	Fc.											in.	in.						
E./N.	1	E.N.E.	2	o	c,o	o	o,bc,b	9	9	a-st/cu	ci-st/cu-nb	E.	..	..	..	1·8	L	K	0	0	1
N.E./N.	3	E,N,E,	4	b	b,bc	bc	c,od,l	1	6	fr-cu	cu/cu-nb	..	W.N.W.	..	0·08	7·3	L	L	5	0	2
N.E.	1	N.N.E.	2	od	od,bc	bc	bc,c	10	6	nb	cu/cu-nb	..	E.N.E.	0·14	Trace	1·7	L	L	1	1	3
N.E.	1	S.E./E.	2	o	o,c,bc	bc	c,o,bc	9	5	st-cu	cu/cu-nb	..	E.S.E.	..	..	5·1	L	M	5	0	4
Calm	0	S.S.W.	2	o	c,b,bc	bc	otlp,bc,b	9	6	st-cu	cu/cu-nb	..	..	..	0·08	5·8	M	L	0	0	5
Calm	0	S.S.E.	3	b	bc,c,o	o	or,d	0	10	....	st-cu	..	S.S.E.	..	0·10	6·3	L	M	1	0	6
S.E.	2/3	S.E./S.	2/3	o	c,o	o	or	9	10	cu/nb	cu/nb	S.E.	S.E.	..	0·06	1·3	L	L	1	0	7
S.E.	3	S.E./S.	4	o	o,c	c	c,o,bc	9	8	cu-nb/nb	st-cu/nb	S.E.	E.S.E.	..	Trace	0·5	M	M	1	0	8
S.S.E.	2	S.E.	4	p	opq	oq	opq	7	10	cu/cu-nb	st/nb	E.S.E.	E.S.E.	0·11	0·05	0·0	K	I	0	1	9
S.E./E.	4/5	E.S.E.	4/5	oq	c,oq	oq	orq,c	9	10	st-cu	cu-nb	E.S.E.	E.S.E.	Trace	0·04	0·8	L	L	0	0	11
E. x S.	2	S.E.	4	bc	c,o	o	oprq	6	9	a-cu/cu/cu	st-cu/nb	E.	E.S.E.	..	1·16	1·8	L	K	0	0	12
E.	2/3	E.S.E.	3/5	o	c,op	opq	opR,irq	9	9	st-cu/cu-nb	cu-nb	..	E.	0·03	3·66	3·7	K	I	2	2	13
S.E.	3/4	S.S.E.	4	o	orrq	orrq	orrq,c	9	10	cu-nb/nb	nb	S.E.	S.S.E.	0·69	0·98	0·6	J	H	2	2	14
S.E.	3	E.S.E.	3	c	c,bc,o	o	c,op	8	9	cu/nb	cu-nb/nb	E.S.E.	E.S.E.	..	0·54	2·8	L	L	2	2	15
S.E.	3	E./S.	3	o	or,c	c	c,r	10	8	st/nb	cu/nb	E.S.E.	E.	0·02	0·03	0·0	I	L	2	2	16
Calm	0	E.	3	c	bc	bc	bc,c	7	5	ci/cu/cu-nb	ci/cu/cu-nb	E.	E.	..	..	5·8	L	L	1	1	17
N.N.E.	1	N.E.	3	c	c,bc,b	b	bc,c,od	8	3	cu-nb	cu	..	N.E.	..	0·06	7·4	L	M	1	1	18
Calm	0	V.A.R.	0/1	c	bc,c,o	or	or.c,r	7	10	ci-cu/a-cu/cu	st/nb	..	..	0·01	0·57	2·7	L	H	1	1	19
S.E.	1	S.E./S.	4/5	o	c,oir	oirq	odq,r	9	10	cu/nb	nb	..	S.S.E.	0·09	0·15	1·6	K	G	2	2	20
S.E./S.	4	S.E.'ly	3	or	or,d	od	od	10	10	nb	nb	S.S.E.	E.S.E.	0·29	0·07	0·0	F	H	2	2	21
S.E.	2	S./W.	2	o	o	o	co,od	10	10	st-cu	st-cu	..	..	..	0·04	0·3	K	L	2	1	22
S.	2	S.S.E.	1	o	co,rd	od	od,c	9	10	st-cu/nb	st/nb	..	S.E.	0·12	0·04	1·1	L	L	1	2	23
W.S.W.	3	S.	3	c	c,dc	bc	bc,c,op	8	4	ci/cu-nb	cu	..	S.	..	0·19	6·7	M	M	2	1	24
S.	3	S.S.E.	3	c	c,bc	bc	c,op	8	5	a-cu/cu	ci-cu/cu	..	S.S.E.	..	0·37	5·7	M	M	2	1	25
S.E.	4	S.E.	4/5	o	oir,q	oirq	oirq	9	10	cu/nb	nb	E.S.E.	E.S.E.	0·03	0·84	0·4	K	K	2	2	26
S.E./S.	4/5	S.E.	4	oirq	oir	o	od	10	10	st/nb	st/nb	E.S.E.	S.E.	Trace	0·02	0·0	I	L	2	2	27
S.E./S.	3	S.E./E.	2	o	o	o	oc,bc	10	10	st-nb	st/cu	S.E.	..	Trace	..	0·6	M	M	2	1	28
E.'ly	1	E./S.	2	c	c,o	o	c,op,bc	7	9	ci-cu/st-cu	cu/st-nb	E.S.E.	E.	Trace	0·42	1·1	M	M	1	1	29
E.N.E.	2	E.S.E.	3	bc	bc	bc	c,oqd	5	5	ci-st/cu	cu/cu-nb	E.	N.N.W.	..	0·01	6·4	K	K	2	0	30
S.E./E.	3	S.E.	4	o	o,c	c	bc,cpq	9	7	st-cu/cu-nb	cu	E.S.E.	S.E.	..	0·09	0·3	M	M	0	0	31
..	..	..	..	..	....	..	....	249	253	....	....	..	..	1·53	9·65	84·2	..	..	..	..	Totals
..	..	..	..	..	....	..	....	8·0	8·2	....	....	..	..	..	..	2·7	..	..	..	..	Means

Cloud Amount.

Hour.	Number of cases of total cloud amount of. 0	1/3	4/6	7/9	10
8.30 p.m.	1	1	2	21	6
3.30 p.m.	0	1	8	8	14

WIND SUMMARY.

	Force 8 or more.	4/7	1/3	Calms.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	6	21	4	0	1	3	1	4	0	14	1	2	0	0	1	0	0	0	0
3.30 p.m.	0	12	18	1	0	1	1	2	3	4	12	4	2	1	0	0	0	0	0	0
	0	18	39	5	0	2	4	3	7	4	26	5	4	1	0	1	0	0	0	0

Prevailing Direction, S.E.; 8.30 a.m., S.E.; 3.30 p.m., S.E.

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—4½ miles, J—6¼ miles, K—12½ miles, L—18¾ miles, M—31 miles.

REMARKS.

Date.

1. Fine and clear in morning, light E.N.E. breeze. Moderate E.N.E. breeze 8h. 40m. changed to E. 9h. 25m. falling off at 15h. 10m. Half cloudy at night.
2. Fine in morning, dew on grass and gentle N.E. breeze, changed to E.S.E. 12h. and back to N.E. falling off at 17h. Light West wind 19h. to 20h., thin drizzle and lightning 19h. to 21h.
3. Light variable Northerly winds all day. Drizzle 5h. 30m. to 6h. and 7h. 30m. to 11h. Half cloudy after 12h. Cloudy night.
4. Overcast in morning, dew on grass. Half cloudy after 11h., light N.E. breeze, S.E. breeze 13h. 20m., changed to N.E. 16h. Cloudy night.
5. N.W. breeze 0h. to 3h., thence calm. Light S. breeze 12h. 15m., changed to S.W. 14h. Overcast and threatning 16h. with occasional thunder and lightning to 21h. 30m. Passing showers 19h. to 21h. 15m.
6. Fine clear and calm in the morning (no clouds in sky) light S.W. breeze 9h. 40m. and sky gradually covered. Wind worked to S. 11h. 40m thence to S.E. increasing Light rain 16h. 30m. to 17h. 15m. Drizzle 20h to 20h 15m.
7. Overcast in the morning, light S.E. breeze, increasing after 7h.. Light shower 7h. 50m. for three minutes.
8. Overcast in the morning, gentle S.E. breeze blowing. Light rain 8h. 15m to 8h. 25m. Moderate S.E. breeze 12h. Gentle S.S.E. breeze 16h. Half cloudy after 20h.
9. Northerly airs 5h. half cloudy. Gentle S.E. breeze 6h. 30m. Variable airs 8h. 45m. to 9h. 10m., thence squally S.E. breeze with light passing showers 8h. 25m to 13h. 10m. Maximum gust 24 m.p.h. from E.S.E. at 15h. 40m.
10. Squally S.E. winds and passing showers of short duration at 1h. 10m., 6h. 40m. and 8h. Cloudy to overcast all day. Maximum wind 26 m.p.h. from S.E. at 7h. 56m.
11. Overcast and squally S. Easterly breeze. Trace of rain at 12h. 40m. Maximum squall 28 m.p.h. from S.E at 18h. 45m. Light rain 19h. to 19h. 18m.
12. N. Easterly breeze after 4h. Easterly breeze 7h. and half cloudy. S.E.breeze 15h. Light to heavy passing showers and squally 15h. 40m. to 23h. 10m. Maximum wind 25 m.p.h. from S.E. at 18h. 33m. Changy winds after 19h. falling off at 24h.
13. Light N. Easterly airs 0h. Gentle E. breeze 7h. and overcast. Moderate breeze 10h. working to E.S.E. Passing showers 15h. Torrential rain 16h. 10m. to 17h. 15m. thence intermittent rain. Maximum wind 25 m.p.h. from S.E. at 22h. 15m.
14. Intermittent rain to 6h. 15m. Light to moderate continuous rain 11h. 55m. to 21h. 30m. Wind changed to S.E. 13h. 20m. Light to fresh squally winds between N.E. and S.S.W. after 18h., maximum 22 m.p.h. from S.E. at 21h. 2m.
15. Cloudy in the morning with calms and gentle variable winds. Gentle S.E. breeze 8h. and low flying scud from E.S.E. Half cloudy 9h. to 12h. Passing showers 18h.
16. Passing showers to 7h. 30m. Wind changed to N.E. 0h. 45m. falling off. Gentle to moderate, S.E. breeze 1h. 30m. falling off at 7h. 40m. and increasing to force 3 from E.S.E. at 8h. 10m. Light rain 12h. 40m to 12h. 45m. and 20h. 55m to 21h.

Date.

17. Calm 2h. Light N.N.E. breeze increasing and working to E.S.E. 8h. 35m. and cloudy. Light wind after 17h. and working to N.E. Half cloudy all day and night.
18. Cloudy and calm in the morning. N.N.E. wind 8h., increasing. Changed to N.E. 10h. Fine all day, wind falling off at 17h. Cloudy at night, drizzle 22h. to 22h. 30m.
19. Variable N.E. to N.W. airs in morning. Fine cloudy and calm 7h. 30m. Light S.W. airs 9h. 45m., worked to N. 12h. Gentle S.E. breeze 13h. falling off at 15h. 20m., and light rain to 16h. Gentle Northerly breeze 15h. 35m. S.E. airs 16h. 15m. Light rain 18h. 5m. to 18h. 45m. Lightning 19h. to 35m.
20. Light variable Northerly airs in morning. Light to moderate rain 2h. to 4h. 20m. Light to gentle E.S.E. breeze 4h. Cloudy 8h. S.E. breeze 11h. 15m., worked to S.S.W. after 14h. with intermittent rain to 15h. 35m. Squally S.E. breeze after 15h. 15m. maximum 27 m.p.h. at 20h. 47m. Drizzle 19h. 10m. to 22h. 30m.
21. Maximum wind 25 m.p.h. from S.E. at 1h. 15m., wind moderating at 8h. 5m., and moderate rain to 9h. 40m. Wind changed to N.N.W. through E. and back to S.E. between 15h. 20m. and 15h. 28m. Drizzle 14h. 20m. to 19h. 30m. Variable airs after 20h.
22. Fine but overcast in morning, light S.E. breeze blowing and working to S. after 11h. Northerly airs after 22h. 30m,
23. Drizzle 1h. to 1h. 15m. Cloudy in morning and light. Southerly breeze, S.W. breeze 15h. 4m. to 15h. 8m. and moderate rain, thence variable airs and drizzle to 17h. Gentle W. breeze 21h. 25m.
24. Fine but cloudy in morning, gentle Westerly breeze. Variable airs 6h. 30m. to 8h. thence W.S.W. breeze, gradually working to S. Variable airs after 16h. Fine half cloudy after 9h. 30m. Passing showers 22h. 40m,
25. Passing showers to 0h. 15m. Gentle Southerly breeze 4h. 20m., gradually working to S.S.E. Fine all day.
26. Light variable airs after 0h. Passing showers 0h. 30m. to 6h. 50m. moderate to fresh S.E. breeze 4h. 50m. squally after 9h. 45m. Maximum wind 25 m.p.h. from S.E. at 12h. 35m. Light intermittent rain 12h., light to moderate intermittent rain 17h.
27. Intermittent rain to 8h. 35m. Overcast and squally S.E. breeze all day, with occasional thin drizzle (too little to register) Maximum wind 23 m.p.h. from S.E. at 8h. 28m.
28. Drizzle 4h. 30m. to 5h. 30m. Cloudy all day with light to gentle S.E. breeze. Trace of rain at 12h. 25m. Excellent visibility.
29. Fine, half cloudy in morning, cloudy during the day. E.N.E. breeze 8h. increasing and working to E.S.E. Northerly airs after 19h. Excellent visibility.
30. Light to moderate rain 4h. 20m to 6h., thence fine and half cloudy. E.N.E. breeze 8h., working to E.S.E. Squally S.E. breeze and cloudy 16h. 20m. Maximum 23 m.p.h. at 20h. 40m.
31. Light rain 2h. 10m. for 3 minutes. Light variable airs Gentle to moderate S.E. breeze 4h. 30m. Fine but cloudy all day. Drizzle 22h. to 22h. 25m.

ADDITIONAL NOTES.

4th. A threatning bank of cu-nb clouds appeared to the North at 15h. 30m.; the lower clouds were coming from E.S.E., whilst the upper clouds were moving in the opposite direction. Rain fell to the North to the Harbour about 16h.

28th. A severe earth tremor and rumblings was experienced at Suva and throughout Vitilevu at 12h. 18m. 5s. Local Standard Time, lasting approximately 20 seconds.

From 1st to 11th, the weather was fine but cloudy generally, and from thence to the end it was rather wet. Squally winds were experienced from the S.E. occasionally, the maximum gust being 28 m.p.h. at 18h. 45m. on the 11th.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

JUNE, 1930.

JUNE.

Day.	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	Max.	Min.	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	Percentage. I	II
			Tenths.				Whole Degrees.				Tenths.							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.		
1	30·061	30·017	73·8	68·8	74·0	67·6	75	69	66	107	74·9	76·7	66	64	22·0	20·1	77	71
2	30·097	30·007	75·0	68·2	75·4	67·8	78	66	63	130	73·8	76·7	64	63	20·3	19·7	70	66
3	30·053	29·965	75·8	68·2	76·2	67·6	81	67	64	143	73·6	76·6	64	62	20·5	19·2	66	62
4	30·005	29·879	73·6	70·6	78·8	71·0	82	67	65	135	74·0	76·8	69	67	24·6	22·4	86	66
5	29·921	29·830	73·2	70·0	79·1	70·7	81	65	62	135	74·0	76·8	68	66	23·7	21·7	85	65
6	29·914	29·844	74·4	70·0	77·6	71·8	69	66	64	135	74·8	76·7	67	69	22·6	24·1	79	75
7	29·995	29·938	74·8	67·4	74·8	69·0	78	72	68	135	75·2	76·8	63	66	19·7	21·5	66	73
8	30·046	29·998	76·8	66·6	78·8	67·2	80	67	61	140	75·0	76·8	61	60	18·2	17·7	56	55
9	30·069	30·011	75·0	71·6	78·2	72·0	80	69	66	138	74·8	77·0	70	69	24·8	24·1	84	73
10	30·080	29·989	75·2	68·2	76·6	68·8	78	72	67	111	74·3	77·0	64	64	20·3	20·7	69	66
11	30·040	29·956	75·4	68·6	75·8	69·8	80	70	65	140	74·0	77·0	64	67	20·3	22·4	70	73
12	29·992	29·896	73·4	70·0	76·8	70·0	78	70	67	142	74·4	77·0	68	66	23·1	21·9	84	70
13	29·974	29·868	70·0	63·0	72·0	63·8	74	68	62	134	74·0	76·6	58	59	16·5	16·8	66	62
14	29·946	29·907	70·0	62·0	72·0	64·0	77	65	61	138	74·0	76·0	56	59	15·4	16·8	62	63
15	30·008	29·968	72·8	63·0	74·2	65·2	78	66	62	132	72·8	75·9	56	59	15·2	17·1	55	60
16	30·060	30·019	73·0	66·8	72·8	66·6	77	61	57	131	72·1	75·7	63	63	19·9	19·9	71	71
17	30·100	30·004	74·0	67·2	76·0	67·8	79	68	66	140	72·6	75·8	63	63	19·5	19·8	69	64
18	30·050	29·958	74·0	69·2	76·0	70·0	79	69	65	138	72·9	75·7	66	67	22·0	22·4	78	73
19	30·021	29·953	75·6	70·6	77·8	69·6	79	68	64	134	73·1	75·6	68	66	23·7	21·5	78	65
20	29·978	29·866	77·0	70·0	78·6	70·0	79	67	64	131	73·3	75·6	66	66	21·9	21·7	70	63
21	29·949	29·832	73·4	70·4	78·8	71·0	80	68	65	135	73·3	75·5	68	67	23·7	22·4	86	66
22	29·934	29·841	78·2	71·0	81·0	71·0	82	65	64	143	74·0	75·5	67	66	22·8	21·5	69	60
23	29·940	29·877	80·0	70·0	76·4	71·0	82	70	64	140	74·0	75·5	64	67	20·6	23·0	59	76
24	29·921	29·827	77·0	72·0	78·0	72·6	81	72	67	141	74·5	75·5	69	70	24·6	24·8	78	76
25	29·883	29·808	78·2	72·2	81·2	74·2	85	69	65	140	74·3	75·8	69	71	24·1	25·6	74	71
26	29·897	29·830	74·8	72·0	81·6	74·2	84	69	67	141	74·8	75·9	71	71	25·5	25·8	87	70
27	29·991	29·924	72·0	70·4	74·0	71·2	76	71	70	105	75·1	76·4	70	69	24·8	24·6	92	87
28	29·964	29·886	73·0	68·8	73·8	69·8	75	70	68	101	74·7	76·4	67	68	22·4	23·3	80	81
29	29·905	29·861	71·4	68·8	70·0	68·2	72	68	66	82	73·3	76·4	67	67	22·7	22·5	87	91
30	29·860	29·818	69·2	68·2	68·0	67·0	69	68	67	83	72·7	76·3	67	66	22·9	22·2	95	95
Totals	899·654	897·377	2230.0	2063·8	2283·5	2080·5	2358	2042	1942	3880	2218·3	2288·0	1963	1967	648·3	647·2	2248	2109
Means	29·988	29·913	74·3	68·8	76·1	69·4	78·6	68·1	64·7	129·3	73·9	76·3	654	65·6	21·6	21·6	74·9	70·3

METEOROLOGICAL SUMMARY FOR MONTH OF JUNE, 1930.

Highest Pressure—30·100″ at 8.30 a.m. on 17th.
Lowest Pressure—29·808″ at 3.30 p.m. on 25th.
Highest Temperature in Shade—85° on 25th.
Lowest Temperature in Shade—61° on 16th.
Greatest Range—17° on 22nd.
Least Range—1° on 30th.
Mean Temperature for Month—73·3°.
Greatest Humidity—95 per cent. at 8.30 a.m. and 3.30 p.m. on 30th.
Least Humidity—55 per cent. at 3.30 p.m. on 8th and 8.30 a.m. on 15th.
No. of Days of—Rain, 15; Hail, 0; Thunderstorms, 0; Fog, 4; Gales (force 8 or more), 0.

VISIBILITY SUMMARY—NO. OF CASES OF

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8.30 a.m.	0	0	0	0	0	0	0	0	1	1	1	8	13	6
3.30 p.m.	0	0	0	0	0	0	1	0	1	0	4	4	15	5

RAINFALL:—Total, 5·09″; average, 6·76″ for 46 years; difference from normal—1·67″; greatest fall in 24 hours, 1·63″ on 29th.

JUNE.

Wind Direction and Force (Beaufort Scale). I		II		Weather (Beaufort Letters). At time of Observation I.	During day I to 2.	At time of Observation II.	During night II to I.	Cloud. Amount (0–10) I	II	Form. I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day measured at 15h. 30m.	17 hours measured next morning at 8h. 30m.	Sunshine. Hours and tenths.	Visibility I	II	State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	F.	Dir.	F.											in.	in.						
S.E./E.	4/5	S.E./E.	4	o	oq	o	odq,c,bc	10	10	st-nb	st-nb	E.S.E.	S.E.	..	0·02	0·0	K	L	2	1	1
E.N.E.	2	E.	3/4	bc	bcq	bc	bc,w	6	4	a-cu/cu	a-cu/cu	E.N.E.	E.N.E.	..	Trace	5·7	L	L	1	0	2
N.E.	1	E.	3	bc	bc,b,c	c	bc,b,cd,fw	5	7	ci/ci-st	ci-st/cu	..	E.N.E.	..	0·03	5·8	L	L	5	0	3
N.N.E.	1	E.N.E.	3	o	o,c,bc	bc	bc,bwf	9	6	ci-st/cu-nb	ci-st/cu	..	N.	..	0·01	7·2	L	L	5	0	4
Calm	0	S.E.	1	b	b	b	b,c,bwf	1	1	ci-st	ci-st/cu	..	..	..	0·01	8·5	L	M	5	0	5
Calm	0	S.S.W.	3	b	b	b	b,bc,c	1	1	ci-st/cu	cu	..	..	..	..	8·6	M	L	5	0	6
S.	2	S.S.E.	3	bc	bc,b	b	b,bc,w	4	2	cu	fr-cu	S.	S.S.E.	..	Trace	8·1	M	M	0	0	7
S.E./S.	4	E.S.E.	4	b	b,bc	bc	b,cr,bc	2	4	ci/cu	cu	S.E.	E.S.E.	..	0·05	6·7	M	M	5	0	8
E.N.E.	2	E.S.E.	4	bc	b,bc	bc	b,c	6	6	cu-nb	cu-nb	E.N.E.	E.S.E.	..	Trace	6·4	K	L	0	0	9
E./S.	4	E.S.E.	4	c	c	c	c,bc,c	8	7	cu/cu-nb	cu/cu-nb	E.	E.	..	..	0·4	L	L	0	0	10
E.S.E.	3	E.S.E.	3	c	c,p,bc	bc	c,bc,cw	8	5	st-cu	cu/cu-nb	..	E.S.E.	0·01	..	3·8	M	M	0	0	11
Calm	0	S.W./S.	4	o	c,bc	bc	bc,cpq	7	4	cu/cu-nb	cu	..	S.	..	0·11	4·8	M	M	0	0	12
S.S.W.	4/5	S./E.	4/5/	cq	bc,cpq	cq	oq,r	8	8	cu/nb	cu/cu-nb	S.S.W.	S.	0·01	0·02	5·1	K	L	0	0	13
S.S.E.	4	S.E.	2/3	oq	cq,bc	bc	bc,c	9	6	cu-nb	cu/cu-nb	S.E.	S.E.	..	Trace	5·7	L	L	0	0	14
S.E.	3	S.E.	4	c	bc,c	c	bc,b,w,f	7	7	cu/cu-nb	a-cu/cu-nb	..	..	..	Trace	3·9	M	L	0	0	15
S.E.	2	E.S.E.	3/4	bc	bc,c,o	o	c,od,bc	4	10	cu	st-nb	E.	E.S.E.	Trace	0·01	3·8	K	K	5	0	16
E./S.	3	E./S.	4	o	o,c,bc	bc	c,o,cq	9	4	cu-nb	cu	E.	E.	..	Trace	5·3	L	K	0	0	17
E/S.	2	E.S.E.	4	oq	o,c,bc	c	c,od,c	9	8	cu-nb/nb	cu-nb	E.	E.S.E.	Trace	0·01	2·6	L	K	0	0	18
N.E.	1	E./S.	4	c	c,c,bc	b	c,bc,b	7	3	cu/cu-nb	cu	E.	E.	..	Trace	7·0	K	L	0	0	19
N.E.	1	E.N.E.	3	bc	bc,c	c	bc,c	4	7	cu	cu/cu-nb	N.E.	N.E.	..	Trace	6·7	L	L	0	0	20
Calm	0	E./N.	4	o	o,c,bc	bc	bc,b	9	4	ci-st/cu/nb	cu	N.E.	E.	..	..	5·6	L	L	0	0	21
Calm	0	E.	3	b	bc,c	c	c,o,b	3	7	cu-nb	cu/cu-nb	N.E.	N.E.	..	..	8·5	L	L	0	0	22
N.N.E.	1	E.N.E.	4	b	c,o	o	c,bc	2	9	cu	cu-nb	..	E.N.E.	..	..	6·9	L	L	0	0	23
E.N.E.	2	E.	4	bc	bc,c	c	bc,bw	6	7	cu/cu-nb	cu/cu-nb	E.N.E.	E.	..	..	7·0	L	K	0	0	21
N.N.E.	2	N.E./E.	3	b	b,bcz	bcz	bc,bzw	1	5	ci/cu	cu/cu-nb	N.N.E.	W.N.W.	..	Trace	6·9	K	J	5	0	25
Calm	0	S.E.'ly	2	bz	bz,bc	bz	bz,oir	1	1	ci/ci-st	ci-st/cu	..	..	..	0·20	8·4	I	J	5	0	26
S.E./S.	4	E.S.E.	2	oir	or	or	oirq	10	10	nb	nb	S.E.	..	0·03	0·13	0·0	H	H	1	1	27
E.S.E.	4/5	E.S.E.	4/5	oq	oq	oq	oirq	10	10	st-nb	nb	E.S.E.	E.S.E.	..	1·38	0·0	K	J	1	1	28
E.	4	E.	2	oir	oirq	oir	oirq	10	10	nb	nb	E.	E.	0·81	0·82	0·0	J	J	2	2	29
N.N.E.	1	Calm	0	oir	oir,R	oir	oir,c	10	10	nb	nb	E.	..	1·02	0·41	0·0	K	F	2	2	30
..	...	..	..	..	....	..	....	186	183	....	....	..	..	1·88	3·21	149·4	..	..	..	..	Total
..		..	..	..	....	..	....	6·2	6·1	....	....	..	..	..	..	5·0	..	..	..	..	Means

Cloud Amount.

Hour.	Number of cases of total cloud amount of. 0	1/3	4/6	7/9	10
8.30 a.m.	0	7	7	11	5
3.30 p.m.	0	5	10	9	6

WIND SUMMARY.

	Force 8 or more.	4/7	1/3	Calms	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	8	16	6	0	4	3	3	4	2	5	1	1	1	0	0	0	0	0	0
3.30 p.m.	0	16	13	1	0	0	1	3	8	8	5	1	1	1	1	0	0	0	0	0
	0	24	29	7	0	4	4	6	12	10	10	2	2	2	1	0	0	0	0	0

Prevailing Direction, E.; 8.30 a.m., S.E.; 3.30 p.m., E.

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—4½ miles, J—6¼ miles, K—12½ miles, L—18¾ miles, M—31 miles.

REMARKS.

Date.

1. Gentle to fresh squally S.E. breeze after 3h. (changed to N.E. occasionally). Passing showers 3h. 55m. to 7h. 30m. Overcast all day. Maximum wind 23 m.p.h. from S.E. by E. at 17h. 25m. Thin drizzle 20h. 55m. to 21h. 5m.
2. Light N.E. airs 1h. 30m. working to E. after 8h. and increasing to moderate to fresh breeze, falling off at 15h. and working to N.E. half cloudy all day. Maximum wind 24 m.p.h. from E. at 13h. 30m.
3. Fine and half cloudy in morning, dew on grass, light N. Easterly airs, increasing after 9h. and working to E. Mares' tails in sky in morning. Cloudy 15h. Light Easterly airs after 15h. 35m., working to N.E. Clear night.
4. Thin drizzle 1h. 10m. to 2h. 10m. Light E.N.E. airs in morning and cloudy dew on grass and fog. E.N.E. breeze 9h., increasing and falling off after 17h. 30m. to light N.N.E. airs to calms. Half cloudy after 10h. Clear cloudless night.
5. Fine, clear and calm in morning, fog and heavy dew on grass. Light S.S.W. airs 11h. gradually working to S.E. Calm 17h. 30m. Light Northerly airs 18h. 50m. Thin fog in evening, cloudy after 21h.
6. Early morning fine and clear, fog and heavy dew, variable Northerly airs and calms. Light W. wind 9h. 12m. working to S.E. and increasing. Wind changed to W. 18h. 50m. and to S. 20h. 15m.
7. Early morning fine, clear and half cloudy, gentle Southerly breeze, changed to S.S.E. 15h. Clear night, Light S.S.E. breeze after 23h.
8. Variable airs after 3h. 30m. Light S.E. breeze 6h. 10m., dew on grass. Fine and clear all day with moderate E.S.E. breeze. Cloudy after 20h.
9. Squall from S.E. 7h. 40m. and light rain (23 m.p.h.) for three minutes, thence wind changed to N.N.E. and back to E.S.E. to moderate to fresh squally breeze Maximum gust 26 m.p.h. at 9h. 52m. Fine and clear all day.
10. Fine and clear in morning, moderate Easterly breeze blowing. Cloudy 8h., wind changed to N.N.E. falling off. Moderate S.S.E. breeze 10h. 20m. Light to gentle N.E. airs after 19h. Half cloudy at night.
11. Gentle to moderate E.S.E. breeze 5h. Northerly airs 7h. to 8h. thence moderate. E.S.E. breeze. Cloudy all day; passing showers at 13h. 40m. for 2 minutes; variable Northerly airs after 19h.
12. Moderate S.E. breeze 0h. 10m. Calm 5h., dew on grass and cloudy. Gentle Southerly breeze 9h. 10m. moderate S.S.W. breeze 13h. 30m. and half cloudy, moderate to strong squally winds after 18h. maximum gust 28 m.p.h. from S.S.W. at 20h. 2m. Light passing showers 20h. 45m.
13. Passing showers to 1h. 15m., gentle to strong squally breeze blowing, maximum 33 m.p.h. from S.S.W. at 2h. 40m. cloudy 8h., wind worked to S. after 9h. and half cloudy. Squall 13h. and light passing showers for 3 minutes (squall 30 m.p.h.) Wind worked to S.S.E. after 17h. Partial rainbow to W.S.W. at 8h. 30m.
14. Light rain 0h. 10m. to 0h. 15m., gentle to fresh squally S.E. breeze and cloudy in morning. Wind worked to S.E. moderating after 10h. Half cloudy during afternoon, wind veered to N. and N.N.W. occasionally after 21h. Trace of rain 22h. 15m.
15. Fine but cloudy in morning, gentle S.E. breeze blowing. Moderate S.E. breeze after 10h. Clear cloudless night, wind worked to E. after 21h.
16. Light variable Northerly airs 1h. Fine and half cloudy in early morning, fog and heavy dew. Trace of rain at 12h. Drizzle 21h. 55m. to 22h. 5m., variable gentle E.N.E. airs after 22h.
17. Fine half cloudy in early morning. Overcast 7h., and gentle E. breeze increasing to force 4 after 10h., falling off at 17h., and working to N.E. Half cloudy after 12h. Cloudy night.

Date.

18. Squally light to fresh N.E. to S.E. winds from 2h. Overcast in the morning. Trace of rain at 4h. 30m., 9h. and 10h. 30m. Moderate E.S.E. breeze 11h. 30m. falling off after 19h. and working to N.E. Cloudy night.
19. Drizzle 5h. to 5h. 10m., fine but cloudy 7h. with light N.E. wind. Moderate E. breeze 9h. 30m. Half cloudy 11h. N.E. airs 18h. 45m. to 19h. 55m., thence gentle E. breeze falling off and working to N.E. after 23h. trace of rain 21h. thence half cloudy. Partial rainbow to W.S.W. at 8h. 30m.
20. Gentle E. breeze 1h. 20m. N.E. airs after 5h. Moderate E.N.E. breeze after 9h. 10m. Fine and clear in morning. Calm 17h. 40m. Half cloudy during the day. Light Northerly airs after 17h.
21. Variable N.N.W. airs and half cloudy in early morning. Calm 5h. 30m. Trace of rain at 5h. Overcast 8h. Gentle E.N.E. breeze 9h. and trace of rain. Variable airs 12h. to 13h., thence gentle E.S.E. breeze and sky clearing. Wind gradually worked to N.E. after 15h., falling off at 18h. Clear night.
22. Early morning fine clear and calm. Gentle N.E. breeze 8h. 40m. Changed to E. 15h. and cloudy. Variable Northerly airs after 20h. Cloudy night.
23. Early morning fine and clear, variable Northerly airs. Moderate N.E. breeze 9h. 30m. falling off after 17h. Changed to N.N.E. 21h. Cloudy after 12h. and at night.
24. Early morning fine and half cloudy, light E.N.E. to N.E. breeze. Moderate N.E. breeze 9h. gradually worked to E. after 15h., falling off at 18h. 30m. Cloudy during afternoon. Clear night.
25. Early morning fine and clear, dew on grass, light N.E. breeze blowing, increasing after 9h. to a gentle breeze, falling off at 16h. 25m. Fine all day and night but hazy.
26. Early morning fine, hazy, and dew on grass. Variable airs. S.W. airs 11h. Light variable S.E. breeze 13h. Calm 18h. Moderate S.E. breeze 20h. 55m., and sky covered. Light intermittent rain 22h. 5m.
27. Early morning overcast, light intermittent rain to 9h. 40m., moderate S.E. breeze blowing, gust at 10h. 1m. up to 22 m.p.h., thence gentle E.S.E. breeze. Light rain 15h. 20m. to 15h. 32m., wind changed N.E. light 17h., S.W. airs 18h. to 18h. 20m., thence gentle E.S.E. to E. breeze. Cloudy night.
28. Overcast squally 1h. 40m. and intermittent rain to 6h. 10m. Maximum 26 m.p.h. from E.S.E. at 2h. 35m. Overcast and squally all day, light intermittent rain 16h. 50m. Light to moderate E. breeze after 22h. 20m.
29. Moderate intermittent rain 0h. 30m. to 2h. thence light intermittent rain. Wind worked to S.S.E. after 1h., thence gradually working to E. Maximum gust 30 m.p.h. from E.S.E. at 3h. 10m. Moderate E. breeze after 5h. Squally fresh E.S.E. wind 10h., 15m. to 12h. thence moderate E. breeze gradually falling off. Northerly airs after 18h. Intermittent rain all day.
30. Moderate E.N.E. breeze 0h. Northerly airs 1h. 15m. Fresh E.S.E. breeze 2h. 55m. Maximum gust 24 m.p.h. at 3h. 45m., changed to E.N.E. 4h. 20m., thence working to N.N.E. falling off. Moderate S.E. breeze 10h. 15m., working to E. falling off at 14h. Heavy rain 10h. 50m. to 11h. 40m., thence intermittent rain. S.E. breeze 19h. changed to Easterly airs 23h.

ADDITIONAL NOTES.

Very dry from the 1st to 25th., only 0·29″ of rain being recorded, thence it was rather wet to the end of the month 4·80″ of rain being recorded in the five days. Squally winds were experienced from S.S.W. on 12th, and 13th; the maximum gust being 33 m.p.h. at 2.40 p.m. on 13th.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

JULY, 1930.

JULY.

Day.	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	Max.	Min.	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	Percentage. I	II
			Tenths.				Whole Degrees.				Tenths.							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.		
1	29·887	29·812	74·0	70·0	75·6	71·2	79	66	66	140	72·0	76·0	68	69	23·3	24·4	81	80
2	29·854	29·783	71·8	68·4	74·2	70·0	75	68	66	134	72·9	75·8	66	68	22·2	23·3	83	80
3	29·929	29·862	73·0	66·2	74·0	66·2	76	68	64	139	72·9	75·5	62	61	18·7	18·3	69	65
4	29·988	29·922	72·0	63·6	73·0	63·4	75	68	62	133	72·4	75·8	58	57	16·2	15·8	61	56
5	30·038	29·943	71·1	61·9	73·0	64·0	76	65	61	134	72·0	75·8	55	58	15·0	16·4	58	59
6	30·036	29·937	73·2	65·0	74·8	69·2	76	68	63	131	71·1	75·6	60	66	17·5	22·2	63	74
7	29·972	29·883	71·2	69·6	74·8	71·0	77	67	64	133	71·7	75·3	69	69	24·0	24·1	92	82
8	29·825	29·716	74·8	71·6	80·8	73·8	83	70	69	139	72·8	75·1	71	71	25·5	25·6	85	70
9	29·836	29·747	78·0	75·4	79·0	76·8	80	74	71	135	73·8	75·0	74	76	29·0	30·8	88	90
10	29·881	29·796	76·4	73·4	78·2	72·8	78	72	69	135	74·8	75·2	72	70	26·4	24·8	86	76
11	29·966	29·902	72·9	67·9	75·8	68·8	77	65	63	134	74·3	75·2	65	65	21·2	21·1	76	69
12	30·061	29·990	73·0	64·8	74·8	66·4	77	64	62	137	73·7	75·3	60	61	17·5	18·4	63	62
13	30·105	30·027	74·8	66·4	76·0	66·4	77	68	64	133	73·8	75·2	61	61	18·4	18·0	62	58
14	30·070	29·985	72·0	69·4	74·0	69·2	75	70	67	96	73·8	75·3	68	66	23·5	22·0	87	78
15	30·013	29·930	73·8	69·6	75·8	70·6	77	70	68	111	73·3	75·3	68	68	23·3	23·7	80	77
16	30·006	29·925	72·6	66·2	73·8	68·0	76	70	67	132	73·4	75·2	62	64	19·3	20·7	70	73
17	30·009	29·936	68·8	66·8	72·4	66·4	73	68	66	121	73·0	75·2	66	62	21·7	19·2	90	71
18	30·030	29·946	72·0	65·8	74·0	66·4	77	67	64	137	72·6	75·2	62	62	19·2	18·9	71	65
19	29·997	29·904	72·8	64·8	73·0	66·0	76	66	63	129	72·6	75·1	60	62	17·5	18·7	63	67
20	29·976	29·873	71·5	67·5	75·2	69·8	81	66	62	143	72·5	75·0	66	66	21·6	22·2	80	76
21	29·932	29·839	72·0	68·2	74·4	69·2	76	69	65	136	73·3	74·8	66	66	21·6	22·0	81	76
22	29·944	29·883	71·8	66·8	72·6	66·2	74	69	67	112	73·4	74·7	64	62	20·4	19·3	76	70
23	29·965	29·900	71·6	66·4	72·2	64·4	73	67	63	131	72·7	74·3	64	59	20·4	16·8	75	64
24	30·008	29·920	70·0	62·4	73·2	64·0	74	68	64	140	72·0	73·7	57	58	16·0	16·4	63	59
25	30·017	29·931	69·8	63·2	73·6	63·0	74	64	59	128	71·8	73·7	59	56	17·1	15·3	68	53
26	30·005	29·967	71·2	62·6	75·2	65·0	76	62	59	136	71·3	73·8	56	58	15·5	16·6	60	56
27	30·016	29·952	71·8	65·0	72·8	64·8	75	67	64	118	71·6	74·0	61	60	18·0	17·5	68	63
28	30·020	29·934	68·8	66·0	74·0	67·0	76	67	64	126	71·4	74·0	64	63	20·5	19·5	86	68
29	29·968	29·867	72·4	67·2	72·8	68·2	74	66	62	123	71·7	74·0	64	66	20·4	21·8	75	78
30	29·825	29·694	72·6	70·0	73·2	72·4	77	69	67	112	71·6	73·9	69	71	24·4	26·4	87	96
31	29·758	29·697	71·8	71·2	74·0	71·0	76	70	67	143	72·1	73·8	71	69	26·1	24·6	97	86
Totals	928.937	926·403	2243·5	2083·3	2310·2	2111·6	2366	2098	2002	4031	2252·3	2321·8	1988	1990	641·4	644·8	2344	2197
Means	29·966	29·884	72·4	67·2	74·5	68·1	76·3	67·7	64 6	130.0	72·7	74·9	64·1	64·2	20 7	20·8	75·6	70·9

METEOROLOGICAL SUMMARY FOR MONTH OF JULY, 1930.

Highest Pressure—30·105″ at 8.30 a.m. on 13th.
Lowest Pressure—29·694″ at 3.30 p.m. on 30th.
Highest Temperature in Shade—83° on 8th.
Lowest Temperature in Shade—62° on 26th.
Greatest Range—15° on 20th.
Least Range—5° on 14th, 17th, and 22nd.
Mean Temperature for Month—72·0°.
Greatest Humidity—97 per cent. at 8.30 a.m. on 31st.
Least Humidity—53 per cent. at 3.30 p.m. on 25th.
No. of Days of—Rain, 20; Hail, 0; Thunderstorms, 0; Fog, 0; Gales (force 8 or more), 0.

VISIBILITY SUMMARY—NO. OF CASES OF

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8.30 a.m.	0	0	0	0	0	0	0	0	0	0	3	6	14	8
3.30 p.m.	0	0	0	0	0	0	0	0	0	0	4	3	20	4

RAINFALL:—Total, 3·46″; average, 4·94″ for 46 years; difference from normal—1·48″; greatest fall in 24 hours, 1·44″ on 30th.

JULY.

Wind Direction and Force (Beaufort Scale). I		II		Weather (Beaufort Letters). At time of Observation I.	During day 1 to 2.	At time of Observation II.	During night II to I.	Cloud. Amount (0-10) I	II	Form. I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day measured at 15h. 30m.	17 hours measured next morning at 8h. 30m.	Sunshine. Hours and tenths.	Visibility		State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	Fc.	Dir.	Fc.											in.	in.						
N.W.	1	E./N.	1	c	c,bc,o	o	oir	7	9	st-cu	cu/st	..	..	..	0·14	2·6	K	K	2	1	1
W.S.W.	4	S.S.W.	4	o	bc,c,o	o	oirq	9	10	cu/st	st/nb	..	S.S.W.	..	0·10	2·5	M	L	2	1	2
S.E.	3	S.E./S.	4	c	cp,bc	bc	cpq,bc	7	6	cu/cu-nb	cu/cu-nb	S.E.	S.E.	0·02	0·03	7·6	L	L	2	1	3
S.E.	4/5	S.E.	4	bcq	bcq,b	bc	bcpq,c	4	5	cu	cu/cu-nb	S.E.	S.E.	Trace	0·02	7·3	K	L	1	0	4
S.E./E.	4	E./S.	4	c	bc,c,o	o	bc,cp	7	9	cu/cu-nb	cu	E.S.E.	E.	..	0·02	4·1	L	L	0	0	5
E./N.	4	E.	3/5	c	c,o	o	bc,cp,om	8	9	ci/cu/nb	cu/nb	E.	E.	Trace	0·16	4·2	K	L	0	0	6
Calm	0	N.E./E.	3/4	om	c,opq	oq	op,cq	9	9	st-cu/nb	-cu/st	..	..	0·33	0·02	3·9	K	K	1	2	7
N.	4/5	N.	4/5	cq	cq,bc	cq	cq,or,c	8	7	a-cu/cu:nb	cu-nb	N.	N.N.W.	Trace	0·18	3·5	M	L	1	0	8
Calm	0	Calm	0	cm	c,o	od	c,b,cr,b	8	10	cu/a-cu/st	st/nb	N.N.W.	N.W.	Trace	0·11	2·8	K	J	2	1	9
Calm	0	S.W.	5/6	bz	bz,c,bcq	bzq	bz,bc,w	1	1	cu	cu	..	S.W.	..	..	8·2	J	J	0	0	10
W.S.W.	3	S.S.E.	4	b	b	b	b,bc	2	2	cu	cu	S.W.	S.S.E.	..	..	8·8	L	L	5	0	11
S.E.	2	S.E'ly	2	bc	bc,c	c	c,o,c	4	7	cu	cu/st-cu	..	..	..	..	6·0	L	L	0	0	12
N'ly	0/1	S.E.'ly	3	o	c,o	o	or,z	9	9	cu/st-cu	st-cu	..	..	..	0·03	0·3	L	M	0	0	13
S.E.	3	E.S.E.	3	oz	oz,d	oz	oz	10	10	st/nb	st	E.S.E.	E.	0·04	..	0·0	J	J	0	0	15
Calm	0	S.E.	1	oz	oz	oz	ozr	10	10	cu-nb	st	E.N.E.	S.E.	..	0·02	0·0	J	J	0	0	15
S.E./E.	4	S.E.	4	o	c,o	o	o,cp	9	9	st-nb	cu/st-nb	S.E.	S.E.	Trace	0·02	0·4	M	M	0	0	16
S.E./E.	4	S.E.	3/5	cp	cpq	cpq	op,c,bc	8	9	cu-nb/nb	cu/cu-nb	S.S.E.	S.E.	0·26	0·03	0·2	M	L	0	1	17
S.E.	4	S.E.	3/5	bc	c,bcq	bcq	bcq,cp	6	5	ci/cu/cu-nb	cu/cu-nb	S.E.	E.S.E.	..	0·03	7·8	L	L	1	0	18
E.N.E.	4	E.	4	bc	bc,c,o	o	cp,bcw	4	9	cu	a-cu/cu	E.N.E.	..	..	..	6·1	M	L	0	0	19
N.N.E.	2	E.	3	bcw	c,bc	bc	c,op,bcw	5	5	cu	ci/cu/nb	..	E.	..	0·01	3·8	L	L	5	0	20
S.S.E.	4	S.S.E.	4	c	c	c	c,o	7	8	cu/cu-nb	cu/cu-nb	S.S.E.	S.S.E.	..	..	4·4	L	M	0	0	21
Calm	0	S.	1	o	oc,,bc	bc	bc,b,w	9	4	cu-nb/st-nb	ci/cu	S.E.	..	..	..	1·4	M	M	0	0	22
W.S.W.	4	S./W.	5	c	c,bc	bc	bc	7	6	cu-cu-nb	cu	S.W.	S.S.W.	..	..	5·8	M	L	0	0	23
S.	5	S.	5	bc	bc,b	b	b,bc	6	3	cu/cu-nb	fr-cu	S.	S.S.E.	..	..	8·4	L	L	0	0	24
S.S.E.	2	S.E./S.	3	c	c,bc	bc	bc,b	7	5	cu/cu-nb	cu	S.E./S.	S.E.	..	Trace	6·5	L	L	0	0	25
S.E./S.	3	S.E.ly	4	b	b,bc	bc	c,bc,c	1	5	fr-cu	cu	S.E.	S.E.	..	Trace	8·9	M	L	0	0	26
E.S.E.	3	E.	4	c	cp	c	cp,om	8	7	cu-nb	cu	E.S.E.	E.	0·01	0·01	0·9	L	L	0	0	27
Calm	0	E./S,	4	om	o,bc,c	c	c	9	7	a-st/cu	a-cu/cu/cu	..	E.	..	..	1·2	L	L	0	0	28
E.N.E.	4	E.	3	c	cp,	c	c,op	7	7	cu/cu-nb	cu/cu-nb	E.N.E.	E.	0·24	0·01	2·1	L	L	0	1	29
N.N.E.	3	N.E./N.	4	o	or	or	or,R	9	10	cu/st-nb	nb	..	N.E.	0·15	1·29	0·1	K	K	0	1	30
Calm	0	S.W.	4	om	c,od	o	odq,c,b	10	9	st-nb	st/nb	..	S.W.	0·08	0·10	0·6	L	L	2	2	31
..	..	..	..	..	....	..	....	215	221	....	....	..	..	1·13	2·33	119·6	..	..	..	..	Totals
..	..	..	..	..	....	..	....	6·9	7·1	....	....	..	..	..	..	3·9	..	..	..	..	Means

Amount of Cloud.

Hour.	Number of cases of total cloud amount of. 0	1/3	4/6	7/9	10
8.30 a.m.	0	4	6	18	3
3.30 p.m.	0	3	8	15	5

WIND SUMMARY.

	Force 8 or more.	4/7.	1/3	Calms.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	13	11	7	2	2	0	2	1	1	9	2	1	0	0	3	0	0	1	0
3.30 p.m.	0	21	9	1	1	0	2	0	8	1	10	2	3	1	2	0	0	0	0	0
	0	34	20	8	3	2	2	2	9	2	19	4	4	1	2	3	0	0	1	0

Prevailing Direction, S.E.; 8.30 a.m., S.E.; 3.30 p.m., S.E.

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—4¾ miles, J—6¼ miles, K—12½ miles, L—18⅔ miles, M—31 miles.

REMARKS.

Date.

1. Intermittent rain to 2h. 30m. Early morning fine but cloudy with light E.N.E. airs, changed to N.W. 7h. 30m. E.N.E. breeze 9h. increasing and falling off at 14h. Variable winds after 19h. Light intermittent rain 18h. 55m.
2. Intermittent rain to 7h. 30m. Moderate Northerly breeze 6h. 30m., changed to Westerly 8h. 5m. working to S.S.W. after 10h., increasing and working to S.E. after 16h. Squally and intermittent rain 18h. 55m., rain to 23h. Maximum gust 28 m.p.h. at 21h. 11m.
3. Light to gentle S.E. breeze 3h. Early morning fine but cloudy. Passing showers at 10h. 50m., 16h. 30m. and 22h. 50m. Mainly cloudy during the day with squally S. Easterly winds, maximum gust 23 m.p.h. at 10h. 45m.
4. Shower at 5h. 5m. Early morning fine and clear and squally S.E. breeze. Maximum 25 m.p.h. at 13h. 15m., thence moderate breeze, squally after 20h. Showers at 15h. 15m. and 23h. 45m.
5. Early morning cloudy with squally S.E. breeze; worked to E.S.E. after 8h. Maximum gust 23 m.p.h. from E.S.E. at 20h. 40m. Cloudy all day, shower at 18h. 5m. Wind changed to light N. Easterly occasionally.
6. Fine but cloudy in morning, moderate E. breeze blowing. Squally 9h. 45m., moderating after 16h. and working to N.E. Maximum gust 12h. 10m. 28 m.p.h. from E. by S. Cloudy night.
7. Moderate E.N.E. breeze to 0h. 15m., thence northerly airs and calms. Passing showers 4h. 20m. to 7h. 45m. Misty in morning. Light to fresh squally N.E. breeze and passing showers 10h. 55m. to 15h. Maximum gust 24 m.p.h. from N.E. by E. at 13h. 35m. Gentle E.N.E. breeze after 16h. Cloudy night. Shower at 23h.
8. Moderate N.E. breeze 0h. worked to N. 7h. increasing to fresh squally breeze 7h. 45m. Fine but cloudy. N.N.E. wind after 11h. changed to N. 15h. moderating at 19h. Maximum gust 22 m.p.h. at 8h. 35m. Rain 21h. 20m. to 22h. and 23h. 20m. to 24h.
9. Gentle to moderate N.N.W. breeze 2h. Calm 5h. 30m. Cloudy and misty. Hot and oppresive with light Southerly to S W. airs during the day, scud from N.W. Clear night.
10. Light rain 2h. 30m. to 3h. 20m., variable airs to calms. Fine but hazy 7h. S.S.W. airs 10h. S.W. breeze 11h. 30m., increasing to a strong breeze falling off at 17h. and working to W. Fine and clear night. Maximum gust 28 m.p.h. from S.W. at 16h. 18m.
11. Variable Northerly airs 0h. Fine and clear in morning, dew on grass. Gentle W.S.W. breeze 8h. gradually working to S.S.E. and increasing after 11h. Fine and clear all day and night.
12. Early morning fine and clear. Northerly airs to calms. Gentle S. Easterly breeze 8h. 15m. Half to three-quarter cloudy during the day. Cloudy night.
13. Light Northerly airs 4h. Light S. Easterly breeze 8h. 50m. and cloudy. Same conditions all day. Variable airs after 17h. 20m.
14. Light rain 7h. to 7h. 10m. Light to gentle S.E. breeze 1h. 10m., gradually working to E.N.E. falling off after 16h. 30m. Overcast and hazy all day and night. Variable airs after 20h. Drizzle 9h. 15m. to 10h.
15. Variable airs and calm in morning. Light E.N.E. breeze 9h. 5m., worked to S.E. by 13h. Cloudy and hazy all day. Moderate S.E. breeze 22h. Rain 22h. 30m. to 22h. 35m.

Date.

16. Overcast, good visibility, and moderate S. Easterly breeze, all day.
17. Passing showers 6h. 50m. to 17h., moderate S. Easterly breeze, squally between 9h. and 17h., maximum gust 22 m.p.h. at 12h. Cloudy night.
18. Shower at 3h. 30m., thence half cloudy. Moderate S.E. breeze blowing. Squally after 14h. Light passing showers 23h. 50m. Maximum wind 22 m.p.h. at 14h. 40m.
19. Northerly airs 0h., showers to 3h. 30m. Moderate E.N.E. breeze 4h. Cloudy all day and night, wind falling off at 16h. and working to N.E.
20. Fine, half cloudy, calm and dew on grass in morning. N.N.E. breeze 7h. changy winds after 11h., mainly N. Easterly. Calm 18h. Cloudy night shower at 21h.
21. Early morning fine, half cloudy, dew on grass. N. Westerly airs 2h. Moderate W.S.W. breeze 4h. (shower at 5h.) changed to S. 5h. 15m., gradually working to S.S.E. and S.E. falling off at 22h. 30m. Cloudy all day.
22. Calm cloudy and dull in morning, S. Easterly breeze 9h., working to S. sky cleared 15h. West wind 19h. 45m. half cloudy at night.
23. Moderate Westerly breeze 3h., fine and clear, dew on grass. Wind changed to W.S.W. 8h. and to S.W. force 5, 9h., thence working to S. Half cloudy all day and night.
24. Early morning half cloudy, fresh Southerly breeze blowing, moderating 19h. and working to E.
25. Fine half cloudy in morning, light S.S.E. breeze blowing. Cloudy 8h. Wind gradullay worked to S.E. force 3, falling off at 20h. Trace of rain at 10h. 30m.
26. Northerly airs 0h., moderate S.S.W. breeze 3h. 15m. to 3h. 35m Gentle S. Easterly breeze 5h. 30m., fine and clear. Cloudy after 16h. Trace of rain at 19h. 20m.
27. Fine but cloudy in morning, wind changed to E.S.E. 3h. 20m., to N.E. 6h. 20m. and to E.S.E. 7h., changing to N.E. occasionally after 10h. Gentle E. breeze after 16h. Shower at 11h. 50m. Cloudy night.
28. Showers at 3h. 50m., wind worked to N.E. 4h., falling off at 7h. Cloudy and misty in morning. Light N.E. breeze 9h. 30m., increasing and working to E.S.E. N. Easterly airs and calms after 18h. 30m. Cloudy night.
29. Early morning fine but cloudy with N. Easterly airs. Moderate E.N.E. breeze 8h. 20m. Gentle E.S.E. breeze 9h. Variable airs 11h. to 14h. 15m. Passing showers 12h. to 14h. Gentle E. breeze falling off at 19h. and working to N.E. cloudy night.
30. Light N.N.E. breeze 3h. Gentle N.N.E. breeze 8h. Shower at 7h. Moderate breeze 3h. 25m. to 3h. 35m., thence N.N.E. airs. Rain 14h. to 16h. 10m.
31. N. Westerly airs in morning. Rain 0h. 45m., heavy rain 2h. 30m. to 6h., calm 6h. S.W. breeze 11h. increasing. Drizzle 12h. to 13h. and 17h. 30m to 19h. Squally S.S.W. to W.S.W. winds 17h. 50m. to 20h., thence gentle W. breeze.

ADDITIONAL NOTES.

A dry month generally. Rainfall 1·48 inches below normal. 1·87 inches of rain fell during the last three days of the month.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

AUGUST, 1930.

AUGUST.

Day.	Air Pressure at Mean Sea Level in the Units of Measurement. I	Air Pressure at Mean Sea Level in the Units of Measurement. II	Temperature (degrees F.) In Screen. Dry. I	Wet. I	Dry. II	Wet. II	Max.	Min.	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	Dew Point. II	Vapour Pressure I	Vapour Pressure II	Percentage. I	Percentage. II
			Tenths.				Whole Degrees.				Tenths.							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.		
1	29·861	29·802	71·4	65·8	74·0	66·4	75	68	63	138	72·2	73·5	62	62	19·0	18·9	73	65
2	29·930	29·863	70·4	65·8	73·8	67·2	74	62	58	134	72·2	73·3	63	64	19·5	20·1	77	70
3	29·928	29·831	70·2	66·6	75·4	66·6	76	61	57	143	72·0	73·3	64	60	20·7	17·8	82	61
4	29·893	29·792	69·0	65·2	76·2	68·0	77	61	57	138	71·8	73·7	63	63	19·3	19·8	81	64
5	29·898	29·815	69·8	67·2	79·6	69·0	80	63	60	136	72·2	73·8	66	63	21·9	20·0	87	57
6	29·954	29·908	72·8	69·2	73·6	71·4	76	67	63	113	73·2	73·9	68	71	23·1	25·9	82	89
7	30·059	29·991	68·8	68·0	69·6	66·4	71	67	66	98	73·0	74·0	67	65	22·9	21·3	96	84
8	30·089	30·004	71·0	66·0	73·2	66·0	74	67	64	117	72·6	74·0	63	62	19·6	18·7	76	67
9	30·087	29·998	74·0	66·0	75·2	66·4	76	67	62	138	72·4	74·2	61	60	18·3	17·8	64	61
10	30·064	29·940	74·8	65·6	78·2	68·8	81	62	58	141	72·2	74·1	60	63	17·8	19·6	59	60
11	29·963	29·836	76·8	71·0	82·2	74·0	85	65	62	145	72·6	74·1	68	70	23·3	25·1	74	67
12	29·882	29·772	77·0	72·2	79·0	75·4	90	73	66	142	73·8	74·1	69	74	24·6	28·6	78	84
13	29·899	29·851	77·8	73·8	77·4	74·4	84	70	66	149	74·7	74·3	72	73	26·9	27·3	82	86
14	30·055	30·000	73·2	68·4	75·2	68·6	76	69	67	129	74·7	74·8	65	65	21·2	20·9	78	71
15	30·099	30·046	72·6	67·2	71·6	67·0	77	70	67	119	74·0	74·7	64	66	20·5	21·6	74	80
16	30·093	30·000	71·7	64·9	74·0	68·0	77	68	65	128	73·4	74·7	61	64	18·0	20·7	68	72
17	30·060	29·992	72·0	67·0	74·4	68·6	76	69	66	138	73·5	75·0	64	64	20·4	20·7	76	73
18	30·082	30·011	72·2	69·4	73·6	68·4	76	67	65	132	73·1	74·8	67	66	22·9	22·0	86	76
19	30·110	30·020	74·6	67·2	74·6	67·2	78	69	65	139	73·2	74·8	63	63	19·7	19·7	66	66
20	30·092	29·955	72·8	62·8	75·8	66·4	77	68	65	142	73·0	74·5	56	61	15·2	18·0	54	59
21	30·018	29·948	72·8	66·4	76·2	67·0	78	68	65	142	73·0	74·3	62	61	19·3	18·6	70	60
22	30·040	30·013	74·0	66·2	76·0	65·8	78	69	65	141	73·0	74·2	61	60	18·3	17·4	65	56
23	30·061	29·981	73·8	65·6	73·0	66·0	77	66	63	140	72·9	74·0	61	62	18·3	18·7	63	67
24	30·036	30·008	71·5	64·8	73·2	66·2	76	67	65	141	72·9	74·0	61	62	18·6	18·7	68	68
25	30·080	30·004	71·6	66·2	74·1	64·3	76	68	65	134	72·5	73·8	63	57	19·8	15·9	74	56
26	30·064	29·981	72·8	66·8	74·4	67·0	77	67	65	140	72·0	73·8	63	62	19·9	18·9	71	66
27	30·028	29·943	73·4	68·0	75·6	68·2	78	67	65	131	72·0	73·8	64	64	20·5	20·5	75	67
28	29·998	29·877	72·6	68·8	75·2	72·0	77	68	64	120	72·4	73·8	67	71	22·4	25·5	81	85
29	29·960	29·886	71·0	70·0	74·8	70·4	76	70	69	133	73·0	73·4	69	68	24·6	23·5	95	79
30	29·953	29·874	72·2	65·2	73·6	66·0	74	70	67	128	73·2	73·5	61	62	18·0	18·9	67	65
31	29·969	29·866	72·8	64·4	73·8	64·0	75	64	59	140	73·0	73·7	59	57	16·9	15·9	61	56
Total	930·305	927·808	2251·4	2081·7	2326·5	2111·1	2398	2077	1974	4149	2259·7	2295·9	1977	1985	631·4	637·0	2303	2137
Means	30·010	29·926	72·6	67·2	75·0	68·1	77·4	67·0	63·7	133·8	72·9	74·1	63·8	64·0	20·4	20·5	74·3	689

METEOROLOGICAL SUMMARY FOR MONTH OF AUGUST, 1930.

Highest Pressure—30·110″ at 8.30 a.m. on 19th.
Lowest Pressure—29·772″ at 3.30 p.m. on 12th.
Highest Temperature in Shade—90° on 12th.
Lowest Temperature in Shade—61° on 3rd and 4th.
Greatest Range—20° on 11th.
Least Range—4° on 7th and 30th.
Mean Temperature for Month—72·2°.
Greatest Humidity—96 per cent. at 8·30 a.m. on 7th.
Least Humidity—54 per cent. at 8.30 a.m. on 20th.
No of Days of—Rain, 17; Hail, 0; Thunderstorms, 0; Fog, 0; Gales (force 8 or more), 0.

VISIBILITY SUMMARY—NO. OF CASES OF

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8.30 a.m.	0	0	0	0	0	0	1	0	0	5	1	8	13	3
3.30 p.m.	0	0	0	0	0	0	0	0	0	2	4	6	15	4

RAINFALL:—Total, 1·81″; average, 8·20″ for 46 years; difference from normal—6·39; greatest fall in 24 hours, 0·39 on 6th.

AUGUST.

Wind Direction and Force. (Beaufort Scale) I		II		Weather (Beaufort Letters). At time of Observation I.	During day, 1 to 2.	At time of Observation II.	During night, 11. to 1.	Cloud. Amount (0–10) I	II	Form. I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day measured at 15h.30m.	17 hours measured next morning at 8h.30m.	Sunshine. Hours and tenths.	Visibility		State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	Fc.	Dir.	Fc.											in.	in.						
W.S.W.	1	S.S.W.	3	bc	bc,b	b	bw	6	1	cu/a-cu	cu	W.	S.W.	..	Trace	8·9	M	M	2	0	1
N.	1	E.S.E.	1	b	b,bc	b	bw	1	1	fr-cu	cu	..	E.S.E.	..	Trace	8·0	M	M	5	0	2
Calm	0	S.E.ly	2	b	b	b	bc,bw,cz	1	3	fr-cu	cu/st-cu	E.	..	..	Trace	7·3	L	M	5	0	3
N'ly	1	E.S.E.	3	cz	bc,oz	oz	oz,bw,c	7	9	cu/st-cu	st-cu	..	..	..	Trace	7·3	J	I	5	0	4
Calm	0	N.E.	1	cz	cz,bc,b	bz	ozbw,	7	1	cu/st-cu	st-cu	..	..	..	..	8·3	I	J	5	0	5
Calm	0	S./W.	3	cz	c,bc,oz	oz	orr	8	10	ci-st	st-nb	..	..	..	0·39	0·4	I	I	5	0	6
S'ly	3	S.S.E.	1	or	orr	o	or	10	10	nb	st/nb	S.	S.	0·06	0·01	0·0	F	K	1	1	7
E.S.E.	2	E.S.E.	3	0	c,o	o	o,c,bc	10	9	st-nb	a-st	E.S.E.	..	..	..	0·8	K	L	1	0	8
E.	3	E.S.E.	3	c	b	b	bc,b,w	7	3	cu	cu	E.	E.S.E.	..	..	7·0	L	L	0	0	9
N'ly	1	N.E.	4	b	b	b	b.w	1	3	ci-st	cu	..	N.E.	..	..	9·6	L	L	5	0	10
N'ly	1	N.E.	4	b	b	b	b,w	1	1	st-cu	cu	..	..	..	..	9·2	L	K	5	0	11
Calm	0	W./S.	5	b	bq	bq	c,bc,bw	0	3	....	cu/cu-nb	..	W.	..	..	8·9	L	L	5	0	12
Calm	0	S.S.W.	4	b	b,bc,c	c	c,or	1	7	cu	cu/cu-nb	..	S./W.	..	0·02	5·3	L	L	5	0	13
S.E./S.	3	S.E'ly	3	o	o	o	od,r	9	9	cu-nb	cu/cu-nb	S.E.	S.E.	..	0·03	0·6	L	L	0	0	14
E.S.E.	4	E.S.E.	3	o	od	o	or	10	10	st-nb	nb	..	E.S.E.	0·03	0·10	0·0	K	K	0	0	15
E.S.E.	3/5	E.	4/5	oq	bc,cpq	oq	p	10	10	st-cu	cu-nb	E.S.E.	E.	0·03	0·07	2·4	K	L	0	0	16
E.	4	E./S.	4	o	cp,bc,c	c	c,op	10	7	cu-nb	cu/cu-nb	E.	E.	0·03	0·09	0·7	I	J	0	0	17
E'ly	2/4	E.	3/4	op	cp,o	o	c,bc	9	9	cu-nb	cu-nb/nb	E.N.E.	E.	0·06	Trace	2·6	I	K	1	1	18
E.S.E.	4	E.S.E.	4/5	bc	bc,cq	cq	c	5	7	cu/cu-nb	cu/cu-nb	E.S.E.	E.S.E.	..	..	7·0	L	L	0	0	19
E.S.E.	3/4	E.S.E.	4	c	c,bc	bc	bc,c,or	7	5	cu	cu	..	E.	..	0·02	8·4	L	L	0	0	20
E.S.E.	4	S.E.	4	c	bc,c,bc	bc	c,b,cq	8	5	cu/cu-nb	cu/cu-nb	E.	S.E.	Trace	..	4·9	L	L	0	0	21
E.S.E.	4/5	S.E.	4/5	bcq	bcq,b	bq	bcq,cp,b	6	3	cu/cu-nb	cu	E.S.E.	S.E.	..	0·28	9·6	K	L	0	0	22
S.E./E.	4/5	E.S.E.	5	bq	bq,cp	bc	b,bcpq	3	5	cu/cu-nb	cu-nb	S.E.	E.S.E.	0·01	0·01	8·4	L	L	0	0	23
E.S.E.	5/6	E.S.E.	5/6	bcq	bc,cpq	cq	cq	5	7	cu/cu-nb	cu/nb	E.S.E.	E.S.E.	0·01	Trace	8·2	L	L	0	0	24
N.E.	2/5	E.	4/5	cq	cpq,bc	bcq	bc,c,opq	8	6	cu/nb	ci/cu	E.	E.	0·08	0·11	5·6	K	L	0	0	25
E.	4/5	E./S.	4/5	cq	cq	cq	cq,b,bc	8	7	cu/cu-nb	cu/cu-nb	E.	E.	..	0·02	2·6	K	K	1	0	26
N.E.	2	E.	4	o	c	c	c,od	9	8	cu-nb	cu-nb	N.E.	E.	..	0·13	5·0	K	K	0	0	27
N.N.E.	1	N.E./E.	2	o	od	od	od,R,r	9	9	cu-nb	cu-nb	..	N.E.	0·04	0·17	1·2	K	J	1	1	28
S.S.W.	5	S.W.	3	or	or,c	c	c,o	10	8	nb	cu/st-nb	S.S.W.	W.S.W.	0·01	..	2·2	I	J	1	0	29
S.	3	S./W.	3	o	o	o	c,o,bc	9	9	a-st	cu	..	..	..	..	0·1	L	L	0	0	30
Calm	0	S.	3	c	c,bc,b	b	b,c,o	7	1	cu	cu	..	..	..	..	8·4	M	M	0	0	31
..	..	..	..	..	....	..	....	202	186	....	....	..	..	0·36	1·45	158·9	..	..	..	..	Totals
..	..	..	..	..	....	..	....	6·5	6·0	....	....	..	..	..	..	5·1	..	..	..	..	Means

Amount of Cloud.

Hour.	Number of cases of total cloud amount of. 0	1/3	4/6	7/9	10
8.30 a.m.	1	6	4	14	6
3.30 p.m.	0	10	4	13	4

WIND SUMMARY.

	Force 8 or more.	4/7.	1/3.	Calms.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	13	12	6	4	1	2	0	4	8	2	0	2	1	0	1	0	0	0	0
3.30 p.m.	0	16	15	0	0	0	4	0	6	9	4	1	3	2	1	0	1	0	0	0
	0	29	27	6	4	1	6	0	10	17	6	1	5	3	1	1	1	0	0	0

Prevailing Direction, E.S.E.; 8.30 a.m., E.S.E.: 3.30 p.m., E.S.E.

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.

REMARKS.

Date.

1. Fine and clear all day and night. Moderate S.W. breeze 3h. Gentle W.S.W. breeze 5h. 30m., working to S.S.W. Northerly airs 19h. Dew 22h.
2. Fine and clear all day. Dew in morning, and Northerly airs. Southerly breeze 11h. Light E.S.E. breeze 14h. Northerly airs 18h. 30m. Cloudless night.
3. Fine and clear all day and night. Calm 8h. S. Easterly breeze 11h., falling off at 17h., variable airs 18h. 30m. Dew in evening.
4. Dew in morning, fine but hazy and cloudy all day. Southerly breeze 12h., changed to E.S.E. 13h. 20m., falling off at 18h. Sky cleared 19h. 30m. Dew in evening.
5. Fine, half cloudy, hazy and calm in morning, dew on grass. Variable airs 9h. Light E.N.E. breeze 15h. 15m. Calm 18h. 30m. Cloudless night, dew in evening.
6. Fine, cloudy and hazy in morning, dew on grass. Light S.W. breeze 10h. Moderate Southerly breeze 14h. 45m., gradually falling off. Light rain 20h.
7. Gentle to moderate Southerly breeze 0h. 50m., Light rain to 13h. 20m. Wind changed to S.S.E. 14h. 50m., working to S.E. after 21h. Light shower 23h.
8. Fine but cloudy all day. Light E.S.E. breeze increasing after 8h. 30m. E. wind 23h.
9. Wind changed N.E. 4h. 20m. to E. 8h. 15m., working to E.S.E. by 10h., fine but cloudy, clearing at 11h. N. Easterly airs 18h. Clear night with dew.
10. Fine and clear in morning with Northerly airs, dew on grass. Moderate N.E. breeze 10h. falling off at 21h., Cloudless night, dew in evening.
11. Early morning fine and clear, dew on grass. Northerly airs 7h., increasing and working to N.E. at 9h. Light N. Easterly airs 18h. Fine and clear all day and night dew in evening.
12. N. Westerly breeze 0h. 30m. Calm 8h., dew on grass and no clouds in sky, moderate N.N.E. to N.N.W. breeze after 10h. Wind changed to W. by S. force 5, 14h. 40m., falling off at 15h. 30m. Calm 18h., clear night. Maximum wind 25 m.p.h. from W. by S. 14h. 55m. to 15h.
13. Fine in morning with Northerly airs. Calm 7h. 30m., dew on grass. N.N.W. breeze 9h. 30m. S.W. airs 11h. and sky covering. Moderate S.S.W. breeze 14h., changed to S.S.E. force 5, 19h. 25m. Light rain 20h. to 20h. 10m. Wind changed to S.S.W. 21h. 25m. thence working to S.E.
14. Fine but cloudy all day with gentle to moderate S. Easterly breeze. Drizzle 23h. 30m. to 24h.
15. Rain 6h. 45m. to 6h. 50m., moderate to gentle E.S.E. breeze. Drizzle 14h. 30m. to 15h. Wind changed to N.E. occasionally. Squally after 17h., maximum gust 22 m.p.h. from E.S.E. at 23h. 15m.

Date.

16. Rain 2h. 15m. to 3h. Squally N.E. to E.S.E. breeze, maximum gust 25 m.p.h. at 11h. 50m. Occasional passing showers of short duration after 13h. 30m.
17. Moderate E. wind blowing, occasional passing showers of short duration and cloudy. Light to gentle N.E. to S.E. breeze after 19h.
18. Early morning cloudy with occasional passing showers to 14h. 30m. Light to moderate Easterly breeze from 5h. 30m. Cloudy night.
19. Early morning fine, half cloudy, gentle Easterly breeze. Squally E.S.E. breeze after 10h. and cloudy. Maximum gust 26 m.p.h. at 13 h. 50m.
20. Early morning fine but cloudy, gentle to moderate E.S.E. breeze. Half cloudy during the day, cloudy night. Drizzle 23h. 50m. to 24h.
21. Early morning fine but cloudy, gentle to moderate E.S.E. breeze blowing and working to S.E. Trace of rain at 12h. 20m. Cloudy at night.
22. Early morning fine half cloudy, moderate to fresh E.S.E. breeze working to S.E. Maximum gust 24 m.p.h. from E.S.E. at 8h. 15m. Clear night.
23. Passing showers 0h. 50m. to 2h. 10m., squally E.S.E. breeze blowing. Fine and clear 6h. Shower at 15h. 25m. Maximum gust 27 m.p.h. at 20h. 5m.
24. Early morning fine and clear, moderate to strong E.S.E. to E. breeze, showers at 5h., 12h. 15m. and 13h. 30m. Maximum wind 32 m.p.h. from E.S.E. at 11h. 42m. Cloudy and squally at night.
25. Light to moderate E. to N.E. breeze 2h. 30m. Steady fresh breeze 8h. 40m. Cloudy passing showers 9h. 30m. to 10h. thence half cloudy. Maximum gust of wind 27 m.p.h. at 13h. 15m.
26. Passing showers 0h. 5m. to 7h. 30m. Moderate to fresh Easterly breeze, maximum gust 25 m.p.h. at 10h. 57m. Cloudy all day and night.
28. Wind changed to N.E. 5h. 30m., moderating, light passing showers 6h. 15m. to 6h. 50m. E wind after 8h. 30m. increasing to force 5, maximum gust 23 m.p.h. from E. at 10h. 27m. N. Easterly airs after 19h.
29. Drizzle 3h. 30m. to 4h. 30m. N. Easterly airs, increasing after 9h. Occasional thin drizzle 9h. to 18h. Cloudy night.
30. Fine but cloudy all day with gentle Southerly breeze.
31. Northerly airs to calm 3h. 30m. and half cloudy. Gentle Southerly breeze 8h. 35m., and cloudy, clearing at 11h. Cloudy night.

ADDITIONAL NOTES.

A very dry month.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

SEPTEMBER, 1930.

SEPTEMBER.

Day.	Air Pressure at Mean Sea Level in the Units of Measurement.		Temperature (degrees F.) In Screen.				Max.	Min.	In Open.		In Ground.		Humidity. Dew Point.		Vapour Pressure		Percentage.	
			Dry.	Wet.	Dry.	Wet.			Grass Min. Eve. to Morn.	Max. in Sun Black Bulb in Vacuo.	1 foot.	4 feet.						
	I	II	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)
	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.		
	29·947	29·881	70·6	62·0	73·2	64·6	74	66	64	132	73·0	73·4	56	59	15·5	16·9	59	61
2	29·957	29·856	70·4	64·0	74·8	63·6	76	65	64	140	73·0	73·5	59	56	17·1	15·5	69	51
3	29·926	29·834	70·4	65·8	74·2	66·0	76	67	65	137	73·4	73·6	63	61	19·5	18·3	77	63
4	29·923	29·827	71·4	66·2	75·4	65·6	76	63	61	141	73·4	74·0	63	58	19·8	16·6	75	57
5	29·918	29·864	66·4	64·8	70·0	64·4	72	64	61	123	73·1	74·0	64	61	20·0	18·3	81	72
6	29·952	29·857	72·0	61·4	74·0	64·0	75	65	61	137	72·4	73·4	54	57	14·0	15·9	52	56
7	29·940	29·860	69·0	61·0	72·8	66·2	75	58	52	142	72·4	74·1	55	62	14·8	19·3	61	69
8	29·920	29·829	67·0	64·0	67·8	65·4	71	63	60	110	72·4	74·2	62	64	19·0	20·3	84	88
9	29·877	29·834	71·4	67·0	74·0	65·4	75	63	61	137	71·0	74·4	64	60	20·2	17·7	78	61
10	29·978	29·897	71·6	67·0	76·4	67·4	77	60	57	143	72·2	74·4	65	61	21·0	18·6	78	61
11	30·008	29·922	69·2	66·2	72·0	66·8	72	67	65	105	73·4	74·4	64	64	20·5	20·4	85	75
12	30·011	29·925	67·6	65·8	68·2	66·0	74	67	66	107	73·0	74·4	65	65	20·9	20·9	91	89
13	30·014	29·938	72·8	67·0	68·4	67·4	75	66	64	121	72·4	74·6	63	66	19·9	22·2	72	95
14	30·007	29·913	70·0	66·6	72·4	66·8	76	64	61	139	72·1	74·6	64	63	20·7	19·8	83	73
15	29·983	29·892	72·8	65·2	73·0	65·4	75	66	62	119	72·6	74·3	61	61	18·1	18·1	64	64
16	29·867	29·742	75·2	69·8	78·0	71·2	80	68	64	125	72·8	74·3	66	67	22·2	22·8	76	70
17	29·840	29·791	71·2	68·8	72·0	67·2	73	68	67	123	73·0	74·0	67	64	22·7	20·4	88	77
18	29·961	29·883	73·0	65·4	74·0	64·8	74	64	60	137	72·8	74·0	61	59	18·1	17·1	65	59
19	30·028	29·934	69·6	65·4	72·6	65·4	74	64	63	139	72·4	73·8	63	62	20·0	18·7	79	66
20	30·036	29·943	72·4	64·8	72·0	65·0	75	67	64	128	72·8	73·7	60	61	17·4	18·0	64	67
21	30·026	29·938	68·4	64·8	72·4	65·2	75	66	63	126	72·8	73·8	62	61	19·2	18·0	81	66
22	29·946	29·887	70·8	67·2	70·0	68·8	73	67	65	101	72·6	73·8	65	69	21·4	23·8	83	94
23	29·983	29·892	65·8	64·8	68·2	64·0	69	64	63	88	71·7	73·0	64	61	20·6	18·6	95	79
24	29·942	29·895	69·0	67·2	71·5	68·1	72	63	62	109	71·0	72·8	66	66	21·7	22·2	91	83
25	29·970	29·898	71·0	70·0	73·2	68·8	74	68	66	118	71·8	73·0	69	66	24·6	21·8	95	79
26	30·010	29·942	72·8	68·0	75·2	67·6	77	68	67	129	72·4	73·0	65	63	21·2	19·7	77	66
27	30·043	29·964	74·8	68·0	76·0	68·4	77	68	67	130	73·0	73·2	64	64	20·3	20·5	69	66
28	30·058	29·973	74·6	69·0	78·2	68·2	80	70	68	140	73·6	73·3	66	62	22·2	18·9	74	58
29	30·058	29·944	77·0	68·8	77·2	69·6	80	69	67	141	74·0	73·2	64	65	20·7	21·2	64	67
30	30·024	29·911	74·2	67·2	78·0	69·4	80	71	69	139	74·6	73·5	63	65	19·5	20·8	68	63
Totals	899·153	896·646	2132·2	1983·2	2195·1	1996·7	2252	1969	1899	3806	2181·1	2213·5	1887	1873	592·6	581·3	2288	2095
Means	29·972	29·888	71·1	66·1	73·2	66·6	75·1	65·6	63·3	126·9	72·7	73·8	62·9	62·4	19·8	19·4	76·3	69·8

METEOROLOGICAL SUMMARY FOR MONTH OF SEPTEMBER, 1930.

Highest Pressure—30·058″ at 8.30 a.m. on 28th and 29th.
Lowest Pressure—29·742″ at 3.30 p.m. on 16th.
Highest Temperature in Shade—80° on 16th, 28th, 29th and 30th.
Lowest Temperature in Shade—58° on 7th.
Greatest Range—17° on 7th and 10th.
Least Range—5° on 11th, 17th and 23rd.
Mean Temperature for Month—70·4°.
Greatest Humidity—95 per cent. at 8.30 a.m. on 23rd and 25th and at 3.30 p.m. on 13th.
Least Humidity—51 per cent. at 3.30 p.m. on 2nd.
No. of Days of—Rain, 18; Hail, 0; Thunderstorms, 0; Fog, 0; Gales (force 8 or more). 0.

Visibility Summary—No. of Cases of.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8.30 a.m.	0	0	0	0	0	0	0	2	1	1	1	4	8	13
3.30 p.m.	0	0	0	0	0	0	1	0	1	1	0	1	16	10

Rainfall:—Total, 7·53″; average, 7·64″ for 46 years; difference from normal, −0·11; greatest fall in 24 hours, 2·24 on 16th.

SEPTEMBER.

Wind Direction and Force (Beaufort Scale). I		II		Weather (Beaufort Letters). At time of Observation I.	During day 1 to 2.	At time of Observation II.	During night II to I.	Cloud. Amount (0–10) I	II	Form. I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day meatye at 15h. 30m.	17 hours measured next morning at 8h. 30m.	Sunshine. Hours and tenths.	Visibility		State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	Fc.	Dir.	Fc.																		
Calm	0	S.S.E.	3	og	og,c	c	c,o	10	7	a-st	cu/a-st	..	..	..	..	1·4	M	M	0	0	1
Calm	0	S.S.W.	3	o	c'bc,b	b	b,c,o	9	3	cu/a-st	ci/ci-st	..	..	..	..	7·2	M	M	0	0	2
Calm	0	S.E'ly	3	o	o,c	c	o,c	9	8	st-cü	cu/st-cu	..	W.	..	..	2·6	M	M	0	0	3
Calm	0	S.W./S.	4	c	c	c	b,c,od	7	7	ci/a/cu	ci/st-cu	W.	S.S.W.	..	0·12	8·1	M	M	0	0	4
N.W.	2	S.S.W.	5	o	orq	oq	cq,bc	10	10	st/nb	st/nb	..	S.S.W.	0·10	..	0·3	J	L	1	0	5
S.	3	S.	3	c	bc,b	bc	bc,bw	7	5	cu/st–cu	cu	S.	S.	..	..	9·9	M	L	0	0	6
Calm	0	S.Ely.	3	b	b	b	b,c,o	3	2	ci/fr-cu	fr-cu	..	S.E.	..	..	8·4	L	L	5	0	7
Calm	0	Calm	0	o	od	o	od,c,b	10	10	st/nb	st	..	..	0·03	0·05	0·0	M	M	0	0	8
W.S.W.	1	S.S.W.	5	b	b	b	bc,bw	2	3	cu	cu/st-cu	W.S.W.	S.S.W.	..	..	9·3	M	M	0	0	9
Calm	0	S.Ely.	3	b	b,bc	bc	or,d	1	5	fr-cu	ci/cu/st-cu	..	S.E.	..	0·08	9·1	M	L	5	0	10
E.	1	E.S.E.	1	od	od	o	od	10	10	st/nb	st/nb	E.S.E.	..	0·03	0·10	0·0	I	L	0	1	11
Calm	0	S.S.E.	1	od	odd	od	od,c	10	10	nb	st/nb	..	..	0·23	0·02	0·0	H	L	1	1	12
E.S.E.	2	S.E.	2	c	c,od,r	or	or,d	8	10	cu-nb	nb	E.	S.E.	0·37	0·79	0·0	M	F	1	2	13
Calm	0	S.E./E.	4	o	o,c	c	c,o,bc	9	8	cu-nb/nb	st-cu	..	S.E.	..	Trace	3·8	L	M	2	1	14
E.N.E.	2	E./S.	3	c	c,o	o	o,c,bc	7	9	cu/st-cü	st-cu	E.N.E.	E.	..	..	2·1	M	M	1	0	15
N.N.E.	3	N.E./E.	4	bc	c,o	o	od,RRq	5	9	cu	st-cu	N.N.E.	N.N.E.	..	2·24	3·8	L	L	0	0	16
S.W./S.	4	S.W.	4/5	o	oq	oq	oq,p,bc	10	9	st-cu/nb	st-nb	S.S.W.	S.W.	..	0·01	0·3	K	L	2	2	17
W./S.	2	S.W./S.	5	b	c,b	b	b,bc,cp	3	1	cu	cu	S.W.	S.W./S.	..	0·02	9·1	L	L	1	0	18
N.N.E.	1	S.	3	c	bc,c,o	o	c,o	7	9	cu-nb	cu/nb	S.	S.	..	Trace	4·4	L	L	1	0	19
S.S.E.	2	S.S.E.	3	c	c,o	o	o	7	10	ci-cu/a-cu	cu-nb	S.E.	..	..	0·04	1·4	M	L	0	0	20
W.	3	S.E'ly	3	o	or	o	o	9	10	cu/nb	st	S.E.	S.E.	0·17	Trace	0·4	K	K	0	1	21
N.E.	2	E.N.E.	2	od	o,c,d	od	oddrrq	10	10	st/nb	nb	E.	E.N.E.	0·06	2·13	0·0	K	H	0	1	22
S.W./S.	5	W.S.W.	2	orq	orq,d	od	od,r,g	10	10	nb	st-nb	S.W.	..	0·07	0·50	0·0	G	I	2	2	23
W./S.	1	S.E./S.	2	og	od	od	odd	10	10	st/nb	st/nb	..	S.E.	0·06	0·19	0·0	K	L	2	2	24
S.E./E.	3	S.E.	3	od	od	o	od	10	10	nb	st/nb	S.E.	..	0·01	0·09	0·1	G	L	2	1	25
E.S.E.	3	E.S.E.	3	o	o	o	od,c	9	9	cu-nb/nb	ci/st-cu	..	..	..	0·01	0·3	L	M	1	1	26
E'ly.	4	E.	4	c	c,bc	bc	bc,c	8		cu/cu-nb	cu/st-cu	E.	E.	..	Trace	2·2	L	L	1	0	27
E.	2	S.E.	4	c	c,bc	bc	c,bc	7	4	cu/cu-nb	cu	..	S.E.	..	0·01	7·3	L	M	0	0	28
S.E.	3	E.S.E.	4	bc	c,bc	bc	c,o	6	4	cu/cu-nb	cu/cu-nb	E.	E.	..	Trace	7·4	M	L	0	0	29
E./N.	4	E.S.E.	4	o	c,bc,b	b	b,bc	9	1	st-cü	cu	..	S.E.	..	..	8·3	M	M	0	0	30
..		..	..	..	....	..	....	232	219	....	....	..	..	1·13	6·40	107·2	..	..	..	..	Totals
..	..	..	..	..	....	..	....	7·7	7·3	....	....	..	..	..	..	3·6	..	..	..	..	Means

Amount of Cloud.

Hour.	Number of cases of total cloud amount of. 0	1/3	4/6	7/9	10
8.30 a.m.	0	4	2	14	10
3.30 p.m.	0	5	5	9	11

WIND SUMMARY.

	Force 8 or more.	4/7.	1/3.	Calms.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	4	17	9	0	2	1	1	4	2	2	1	1	0	2	1	3	0	1	0
3.30 p.m.	0	11	18	1	0	0	1	1	2	4	9	3	2	3	3	1	0	0	0	0
	0	15	35	10	0	2	2	2	6	6	11	4	3	3	5	2	3	0	1	0

Prevailing Direction, S.E.; 8.30 a.m., E.; 3.30 p.m., S.E.

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—4½ miles, J—6¼ miles, K—12½ miles, L—18¾ miles, M—31 miles.

REMARKS.

Date.

1. Calms to Northerly airs 4h. 30m., overcast and gloomy. Southerly breeze 9h. working to S.E. after 15h. Calm 20h. Overcast at night.
2. Early morning fine but cloudy and calm. S.S.W. breeze 11h. and sky clearing, wind working to S.E. Cloudy night.
3. Early morning fine but cloudy and calm. Light S. Westerly breeze 9h. 30m. increasing and working to S.E. falling off at 16h. Cloudy night.
4. Early morning fine but cloudy and calm. Moderate S.S.W. breeze 10h. 10m. and sky clearing, wind falling off at 22h. and working to N. Clear night.
5. Gentle S.W. to N.N.W. breeze after 3h. 30m. Drizzle 6h. to 8h. Rain 11h. 20m to 11h. 45m. Moderate to fresh S.S. Westerly breeze 13h. 30m., maximum gust 29 m.p.h. at 15h. 15m.
6. Early morning fine but cloudy and clear, gentle to moderate. Southerly breeze blowing, falling off to Northerly airs at 22h. Clear cloudless night.
7. Early morning fine and clear, dew on grass and calm. Light to gentle Southerly breeze 9h. 30m. working to S.E. falling off at 19h. Clear cloudless night.
8. Overcast and calm all day with occasional thin drizzle.
9. N. Westerly airs 3h. fine and clear. W.S.W. breeze 8h. 25. increasing to force 5 and working to S.S.W., falling off at 20h. Clear night.
10. Early morning fine clear and calm. S. Westerly airs 8h. 35m. Gentle S. Easterly breeze 13h. Sky gradually covered after 16h. Wind changed to N.E. 20h. 45m. with rain to 21h. 10m.
11. Wind worked to S.E. 1h. Light variable airs 2h. 15m. Occasional thin drizzle 2h. 30m. to 12h. 10m. Cloudy night.
12. Early morning overcast and calm. Drizzle 5h. 20m. to 15h. 30m. Light variable S. Easterly breeze 11h. 30m. Calm 22h. Cloudy night.
13. Drizzle 1h. 20m. to 1h. 50m. Cloudy and calm in early morning. Light to gentle S. Easterly breeze 8h. Continuous rain and drizle 12h. 20m. Variable airs after 22h.
14. Drizzle to 5h. Early morning overcast. E.S.E. breeze 8h. 50m. increasing at 10h. Cloudy all day and night.
15. Calm 3h. Early morning fine half cloudy, E.N. Easterly breeze 7h. 30m., working to E. falling off at 19h. 30m. and working to N.N.E. Cloudy all day and night.
16. Early morning fine half cloudy, N.N.E. airs increasing at 7h. 20m. and working to N.E. moderating at 19h. 30m. Cloudy after 9h., wind worked to S.W. through N.W. after 22h. Drizzle 22h.
17. Heavy rain 0h. 45m., thence drizzle to 5h. 10m. Squally W.S.W. wind 0h. 50m. working to S.W. and S.S.W. Maximum gust 32 m.p.h. at 2h. 40m., wind moderating at 4h. and increasing at 7h. 30m. moderating at 19h. and working to W. Shower at 18h.

Date.

18. Variable N.W. airs 4h. 45m. Light W.S.W. breeze 8h. 15m., fine and clear. Cloudy 9h. and wind increasing to force 5, moderating at 21h. Clear after 10h. Maximum gust 26 m.p.h. from S.W. by S. at 15h 2m.
19. Northerly airs 0h. 30m. Light passing showers 6h. 15m. to 7h. 40m., thence fine but cloudy. S. Westerly breeze 9h. 30m., working to S.S.E. Cloudy night.
20. Variable airs 3h. S.S.E. breeze 5h. 35m., working to S.E. Fine but cloudy all day.
21. Shower at 2h. 10m. and 6h. to 6h. 10m. Calm. Gentle W. breeze 8h. 10m. Variable airs 9h. 45m. and rain to 11h. S.E. breeze 12h. falling off at 18h. 30m. Cloudy night.
22. Early morning fine clear and calm. N. Easterly breeze 8h. working to E. and falling off at 16h. Drizzle, on and off 8h. 30m.
23. Westerly breeze 1h. 40m., increasing to fresh and strong breeze, changed to S. Westerly 5h. 15m. with rain to 9h., thence drizzle to 10h. 40m. Variable airs 11h. Drizzle 15h. 30m. Light to moderate E.N.E. breeze and rain 18h. to 19h., thence drizzle to 21h. 30m. Variable N.W. airs 23h. Maximum gust of wind, 33 m.p.h. from S.W. by S. at 7h.
24. Light to gentle Westerly breeze 6h., overcast and gloomy. Gentle S.E. breeze 9h. 20m. Occasional drizzle after 9h. 30m. Calm 18h.
25. Light Northerly breeze 4h. 30m., working to S.E. force 3h. by 7h., overcast, occasional drizle. Rainbow to W. at 8h. 30m. E.S. Easterly breeze after 20h.
26. Occasional drizzle to 3h. Light to gentle E.S. Easterly breeze blowing. Cloudy all day, wind falling off at 17h. This drizzle 22h. 10m. to 22h. 20m.
27. Early morning fine but cloudy with N. Easterly breeze. Moderate Easterly breeze 8h. falling off at 18h. Cloudy night.
28. Early morning fine but cloudy and calm. E.N.E. breeze 6h. 40m., changed to E. 8h. 20m., working to S.E. Half cloudy after 10h. Cloudy night.
29. Variable airs 2h., moderating to gentle S. Easterly breeze 7h. 20m. Shower at 4h. 50m., thence half cloudy, wind gradually working to E. Cloudy night.
30. Fine but cloudy in early morning, wind changed E.N.E. light, at 5h. 45m., increasing to force 5 at 8h., thence working to E.S.E. and falling off at 18h. Clear night.

ADDITIONAL NOTES.

A cool month and dry generally. Although the rainfall was close to normal, it was confined to three moderately wet periods namely, 13th, 16th. and 22nd to 23rd.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

OCTOBER, 1930.

OCTOBER.

Day.	Air Pressure at Mean Sea Level in the Units of Measurement.		Temperature (degrees F.)										Humidity.					
			In Screen.				Max.	Min.	In Open.		In Ground.							
			Dry.	Wet.	Dry.	Wet.			Grass Min. Eve. to Morn.	Max. in Sun. Black Bulb in Vacuo.	I		Dew Point.		Vapour Pressure		Percentage.	
	I	II	I		II						1 foot.	4 feet.	I	II	I	II	I	II
			Tenths.				Whole Degrees.											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.		
1	29·985	29·925	75·0	70·0	80·0	70·8	80	66	65	138	75·0	73·5	67	66	22·8	21·9	78	62
2	30·059	30·003	73·0	69·0	74·0	70·0	75	68	67	119	75·0	74·0	67	68	22·4	23·3	80	81
3	30·074	30·040	72·0	66·0	72·0	65·0	74	68	66	112	75·0	74·0	62	61	19·2	18·0	71	67
4	30·116	30·080	70·0	63·0	73·0	64·0	76	67	64	144	73·5	74·5	58	58	16·5	16·4	66	59
5	30·146	30·093	72·0	64·0	73·0	64·0	76	66	62	135	73·0	74·5	59	58	16·8	16·4	63	59
6	30·152	30·084	71·0	64·0	73·2	65·4	77	64	63	141	73·0	74·0	59	60	17·2	17·5	67	65
7	30·112	30·021	70·4	64·4	75·2	64·0	78	68	65	140	72·2	74·0	60	56	17·7	15·5	71	52
8	30·060	29·985	73·8	65·4	73·6	67·0	76	69	65	122	72·7	73·7	60	64	17·7	20·1	62	70
9	30·026	29·969	73·2	68·8	74·6	69·4	76	70	67	109	72·6	73·6	66	67	21·8	22·8	79	76
10	30·023	29·945	75·4	69·2	78·2	69·6	80	66	63	138	72·8	73·6	66	65	21·5	20·8	72	63
11	30·011	29·941	75·4	68·0	78·8	70·2	81	66	63	148	73·3	73·5	63	66	19·7	21·7	67	63
12	30·024	29·916	76·8	67·8	78·8	68·6	80	66	63	137	74·3	73·4	63	63	19·4	19·8	61	57
13	30·003	29·933	74·0	66·0	78·0	67·0	79	66	63	142	74·8	73·3	61	60	18·3	17·7	64	54
14	30·025	29·934	76·2	66·4	78·8	68·6	81	62	59	139	74·7	73·5	60	63	17·4	19·8	57	57
15	30·020	29·903	78·6	67·6	81·2	69·6	84	64	61	142	75·0	73·7	61	63	18·5	19·5	54	54
16	29·978	29·868	80·8	73·0	83·6	73·2	86	70	67	147	75·9	74·0	69	68	24·2	23·5	67	59
17	29·920	29·858	79·0	74·0	79·0	74·0	85	70	66	145	76·5	74·3	72	72	26·5	26·5	79	78
18	29·967	29·896	81·8	73·4	82·8	75·4	86	71	68	146	77·2	74·8	69	72	24·4	26·8	66	70
19	30·010	29·965	81·0	74·6	79·0	75·0	85	73	70	146	78·0	75·6	71	73	26·3	27·9	73	82
20	30·054	29·995	79·4	74·0	77·4	73·2	82	74	72	148	78·2	76·3	71	71	25·7	26·0	77	81
21	30·023	29·966	74·4	69·4	76·6	70·4	82	73	71	129	77·5	76·7	66	68	22·0	23·3	77	72
22	30·021	29·949	74·8	69·6	77·8	71·0	81	72	70	137	76·8	76·7	67	67	22·8	22·8	76	70
23	30·026	29·975	79·2	72·0	78·6	72·6	83	71	69	142	76·8	76·7	68	70	23·7	25·1	70	74
24	30·046	29·991	79·2	72·8	79·4	72·0	83	73	71	150	77·4	76·7	69	68	24·4	23·0	73	69
25	29·990	29·870	78·6	73·0	81·4	73·0	83	74	72	144	78·3	76·4	71	68	25·7	23·5	76	66
26	29·892	29·832	82·0	74·8	82·0	74·2	84	72	70	146	78·0	77·0	72	70	26·5	25·1	70	68
27	29·904	29·861	75·7	73·3	78·5	74·3	81	74	72	130	79·0	76·9	72	73	27·1	27·9	89	81
28	29·993	29·925	79·0	72·8	76·8	71·8	80	74	72	139	79·0	77·0	70	69	25·1	24·6	74	78
29	30·031	29·961	77·4	66·2	75·6	67·6	78	71	67	119	77·2	78·4	59	63	16·9	19·8	53	65
30	29·989	29·886	71·0	66·0	76·0	66·8	77	69	66	137	77·2	76·8	63	61	19·6	18·6	75	60
31	29·886	29·799	75·2	70·0	76·0	69·6	81	70	68	139	76·6	76·8	67	66	22·8	21·7	77	71
Totals	930·566	928·369	2355·3	2148·5	2402·9	2167·3	2490	2147	2067	4250	2346·5	2327·9	2028	2037	670·6	677·3	2184	2083
Means	30·018	29·947	76·0	69·3	77·5	69·9	80·3	69·3	66·7	137·1	75·7	75·1	65·4	65·7	21·6	21·8	70·5	67·2

METEOROLOGICAL SUMMARY FOR MONTH OF OCTOBER, 1930.

Highest Pressure—30·152″ at 8.30 a.m. on 6th.
Lowest Pressure—29·799″ at 3.30 p.m. on 31st.
Highest Temperature in Shade—86° on 16th and 18th.
Lowesr Temperature in Shade—62° on 14th.
Greatest Range—20° on 15th.
Least Range—6° on 3rd, 9th and 28th.
Mean Temperature for Month—74·8°.
Greatest Humidity—89 per cent. at 8.30 a.m. on 27th.
Least Humidity—52 per cent. at 3.30 p.m. on 7th.
No. of Days of—Rain, 13; Hail, 0; Thunderstorms, 1; Fog, 0; Gales (force 8 or more), 0.

VISIBILITY SUMMARY—NO. OF CASES OF.

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8.30 a.m.	0	0	0	0	0	0	0	0	2	1	5	9	10	4
3.30 p.m.	0	0	0	0	0	0	0	0	0	5	2	7	14	3

RAINFALL:—Total, 0·83″; average, 8·17″ for 46 years; difference from normal—7·34″; greatest fall in 24 hours, 0·34″ on 18th.

OCTOBER.

Wind Direction and Force (Beaufort Scale). I		II		Weather (Beaufort Letters). At time of Observation I.	During day 1 to 2.	At time of Observation II.	During night II to I.	Cloud. Amount (0–10) I	II	Form. I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day measured at 15h. 30m.	17 hours measured next morning at 8h. 30m.	Sunshine. Hours and tenths.	Visibility		State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	Fc.	Dir.	Fc.											in.	in.						
S.W.	1	S./E.	2	b	b,c	c	c,op	3	7	cu	cu/cu-nb	..	S.	..	0·07	7·6	L	L	0	0	1
E.	2	E.S.E.	4	o	op	o	op	10	10	cu/cu-nb	cu/cu-nb	E.	E.S.E.	0·04	0·07	0·0	H	I	0	0	2
S.E'ly.	2/3	S.S.E.	3	0	c,o	o	op	10	10	cu-nb	cu-nb	..	..	..	0·02	0·6	H	L	0	0	3
S.S.E.	3	S.S.E.	4	o	c,bc	bc	bc,c	10	5	cu/cu-nb	ci/cu/nb	S.S.E.	S.S.E.	..	..	7·3	L	L	0	0	4
S.S.E.	4/5	S.E.	4	c	c	c	opq	7	7	ci/cu-nb	ci/cu/cu-nb	S.E.	S.E.	..	0·08	4·5	L	L	0	0	5
S.S.E.	5	S.E.	5	cp	cq,bc	bc	bc,c	8	5	cu/cu-nb	cu/cu-nb	S.E.	S.E.	Trace	0·01	6·2	L	L	0	0	6
E./S.	5	E.S.E.	5	o	o,c,bcz	bc,z	bcz,c	9	4	cu-nb	fr-cu	E.	E.S.E.	..	..	9·7	K	I	0	0	7
E.S.E.	4/5	E.S.E.	4	c	bc,c	c	c,od	8	8	cu/cu-nb	ci/cu/nb	E.S.E.	..	..	0·02	2·3	K	L	0	0	8
E./S.	4	E./S.	4	o	od	o	od,c	9	10	nb	st/nb	E.	E.	0·02	0·01	0·2	I	K	0	0	9
E.	4	E.	4	c	c,bc	bc	bc	8	6	cu/st-cu	ci/a-cu/cu	E.	..	..	..	7·5	L	L	0	0	10
E.	2	E.S.E.	4	bc	bc,c	bc	c,bc,b	6	6	a-cu/cu	ci/cu-nb	..	S.E.	..	..	7·8	L	L	0	0	11
S.E'ly.	3	E.S.E.	4	b	b	b	bc,c	1	1	cu	cu	E.	..	..	..	10·8	M	M	0	0	12
S.E'ly.	2	E.S.E.	3	c	bc,b	b	bw	8	3	st-cu/cu	cu	..	E.S.E.	..	..	8·6	M	M	0	0	13
E.N.E.	2	E./S.	4	b	b	b	bw	2	1	cu	fr-cu	E.N.E.	E.	..	..	10·7	M	M	5	0	14
E.N.E.	2	N.E./E.	4	b	b	b	b,bc,c	2	1	cu	cu	E.N.E.	..	..	..	10·8	M	L	0	0	15
E.N.E'ly.	3	N.E.	4	c	c,bc,b	b	c,bc	7	2	cu	ci/cu	E.N.E.	N.E.	..	..	8·8	L	K	0	0	16
Calm	0	S.	1	b	b,c,o	o	o,c,b	1	10	cu	st/cu	..	..	..	Trace	7·2	K	L	0	0	17
N.	3	S.S.E.	3	b	b,bc	bc	c,otld,r	1	5	cu	cu/cu-nb	N.	S.S.E.	..	0·34	9·0	L	L	0	0	18
E.	3	E./S.	2	c	c,bc,o	o	o,c,	7	10	cu/cu-nb	cu-nb	E.	..	..	0·01	6·7	L	L	0	0	19
S.E.	2	S.E.	4	c	c,o	o	o	7	10	cu/cu-nb	st-cu/nb	S.E.	E.S.E.	Trace	Trace	3·4	K	I	0	0	20
E.S.E.	3	E.S.E.	3	o	o	o	og	10	10	st-cu	cu/st-nb	E.	E.	..	..	0·1	J	J	0	0	21
E./N.	3	E.S.E.	3	og	og,c	c	b,c,o	10	7	st/nb	cu/st-cu	E.N.E.	..	..	..	2·2	J	K	0	0	22
N.E'ly.	2	S.E./E.	3	c	c,og	og	or,c	7	10	ci-st/cu/cu	st-cu/nb	..	E.S.E.	..	0·02	3·7	K	L	0	0	23
E.S.E.	3	S.E./E.	4	c	c,bc	bc	c	7	6	cu/cu-nb	cu	E.S.E.	S.E.	..	Trace	9·9	K	K	0	0	24
E.S.E.	3	E./S.	4	c	c,bc,b	bc	bw,c,o	7	5	cu/cu-nb	ci/cu	..	E.	..	..	8·0	K	L	0	0	25
N.E'ly	1	S.E.	2/3	c	c,bcz	bcz	bc,c,od	7	4	ci/a-cu/cu	ci/a-cu	..	S.E.	..	0·02	7·6	K	I	5	0	26
S.E.	2	S.E.	4	od	o,c	o	c,o	10	10	st-nb	st/nb	..	E.S.E.	Trace	..	1·2	J	K	0	0	27
E.S.E.	4	S.E.	4	o	c,o	o	c,bc,b	9	9	st-cu/nb	st-cu/nb	..	E.S.E.	Trace	..	1·6	K	K	0	0	28
S.E.	4	S.E./S.	4	bc	bc,o	o	or	6	10	cu/st-cu	st/nb	S.E.	S.E.	..	0·03	1·5	L	I	0	0	29
E.S.E.	4	S.E./E.	4/5	or	orq	o	opq	10	9	nb	st-cu/nb	E.S.E.	E.S.E.	Trace	0·07	0·8	J	K	0	0	30
E.S.E.	4/5	S.E./E.	4/6	cq	cq,o	oq	oq,c	7	9	cu/cu-nb	st-cu/nb	E.S.E.	E.S.E.	Trace	Trace	3·4	J	J	0	0	31
..	..	..	..	..	....	..	....	214	210	....	....	..	..	0·06	0·77	169·7	..	..	..	..	Totals
..	..	..	..	..	....	..	....	6·9	6·8	....	....	..	..	..	..	5·5	..	..	..	..	Means

Amount of Cloud.

Hour.	Number of cases of total cloud amount of. 0	1/3	4/6	7/9	10
8.30 a.m.	0	6	2	16	7
3.30 p.m.	0	5	9	7	10

WIND SUMMARY.

	Force 8 or more.	4/7.	1/3.	Calms.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	10	20	1	1	0	2	3	7	7	6	3	0	0	1	0	0	0	0	0
3.30 p.m.	0	21	10	0	0	0	2	0	5	8	11	3	2	0	0	0	0	0	0	0
	0	31	30	1	1	0	4	3	12	15	17	6	2	0	1	0	0	0	0	0

Prevailing Direction, S.E. 8.30 a.m., E. and E.S.E.; 3.30 p.m., S.E.

Standard Distince 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.

REMARKS.

Date.

1. Fine clear and calm in the early morning. S.W. airs 8h. 30m. Gentle S. Easterly breeze 9h. Cloudy night.
2. Variable airs 0h. Light passing showers 4h. 30m. to 7h. 20m. Easterly breeze 8h. 15m., working to S.E. force 3–4. Occasional passing showers after 12h. Cloudy night.
3. Occasional passing showers to 4h. S.E. breeze blowing, changed to N.W. 9h. and to S.S.E. 10h. 12m. force 3–4. Cloudy all day and night.
4. Early morning overcast, moderate S.S.E. breeze blowing, Shower at 8h. Moderate to fresh breeze after 10h. and sky clearing. Half cloudy at night.
5. Early morning fine but cloudy, moderate to fresh S.E. breeze blowing. Squally after 10h. Maximum gust of wind 30 m.p.h. from S.E. at 12h. 25m. Cloudy night.
6. Occasional showers 1h. to 5h., squally S.E. breeze blowing. Shower at 8h. 30m. Maximum gust of wind 25 m.p.h. at 9h. 3m. Half cloudy after 11h. Cloudy night.
7. Early morning overcast, squally E.S. Easterly breeze blowing. Shower at 8h. 30m. Maximum gust of wind 26 m.p.h. from E.S.E. at 9h. 18m. Half cloudy after 11h. and hazy.
8. Early morning fine but cloudy, moderate to fresh E.S.E. breeze blowing. Cloudy night.
9. Drizzle 2h. 30m. to 3h. 30m., moderate E. by S. breeze blowing. Rain 9h. 35m. to 9h. 40m., wind falling off at 23h. Cloudy night, drizzle 20h. 50m. to 21h.
10. Early morning cloudy, N.N.E. airs 6h. Moderate E. breeze 7h. 50m., falling off at 18h. Half cloudy after 12h.
11. Calm 1h. Light to gentle E. breeze 8h., working to E.S.E. Half cloudy all day. Cloudy night.
12. Northerly airs 4h. Early morning fine and clear. S. Easterly breeze 7h. 30m. Fine and clear all day and night.
13. Calm 0h. Early morning fine but cloudy, S. Easterly breeze 8h. 10m. Fine and clear after 10h., wind falling off at 18h. Clear night.
14. Early morning fine and clear with Northerly airs, dew on grass, E.N.E. breeze 7h. 50m. Changed to E. by S. force 4, 9h. 45m., falling off at 17h. and working to N.E. Clear night.
15. Early morning fine and clear, dew on grass, E.N. Easterly breeze 7h. 40m., increasing to force 4, changed to E. by S. 15h. 50m. and to E.N.E. 17h. 30m. falling off.
16. Early morning fine half cloudy and calm. Dew on grass. E.N. Easterly breeze 8h. increasing at 12h., falling off at 17h. 30m. Cloudy night.
17. Early morning fine clear and calm. S.S.W. airs 9h., changed to S. Easterly force 3, 10h. 30m., falling off at 14h. Overcast 14h. and at night.
18. Early morning fine clear and calm. Northerly breeze 7h. 50m. Gentle S.S.E. breeze 11h. 30m., falling off at 18h. and working to W. and N. Thunderstorm 16h. to 19h. Drizzle 18h. to 18h. 20m.

Date.

19. Rain 0h. 55m. to 1h. 5m. Early morning cloudy and calm N. Easterly breeze 7h. 30m., working to S.E., falling off at 16h. Drizzle 17h. 15m. to 17h. 20m.
20. Early morning fine but cloudy. Light S.E. breeze 4h., increasing at 9h. Occasional slight drizzle, too little to register. Cloudy night.
21. Overcast all day and night with gentle E.S.E. breeze.
22. Early morning overcast and gloomy. Easterly breeze 5h, three-quarter cloudy after 13h., wind falling off at 18h. Clear night.
23. Early morning fine but cloudy Easterly airs. Light N. Easterly breeze 6h. 30m. working to S. Easterly increasing at 11h. Light rain 17h. 50m. to 18h. Afternoon gloomy.
24. Early morning fine but cloudy, Easterly breeze blowing, changed to E.S.E. 4h. 30m. increasing at 8h., falling off at 17h. and working to N.E. and back to E. force 3, 21h. Cloudy night.
25. Early morning fine but cloudy, gentle E. breeze blowing, working to E.S.E. and increasing to force 4, falling off at 18h. Clear night.
26. Early morning overcast and calm, dew on grass. N. Easterly breeze 8h. 10m. changed to E.S.E., 4 at 9h. and sky clearing, wind moderating at 15h. Hazy during the afternoon, cloudy night. Drizzle 21h. 30m. to 21h. 55m.
27. Early morning fine but cloudy, light S.E. breeze blowing. Drizzle 8h. 25m. to 8h. 30m. Variable E.S.E. to S.S.W. breeze 9h. 30m. Moderate S. Easterly breeze 12h. 15m.
28. Fine but cloudy all day and night with gentle to moderate Southerly breeze.
29. Early morning fine half cloudy, gentle to moderate S.E. breeze blowing. Overcast 9h. 30m. Moderate to fresh S.E. breeze after 21h.
30. Early morning fine but cloudy, moderate E.S.E. breeze blowing. Light rain 8h. 20m to 8h. 33m. Squally wind force 4 to 6 after 9h. Maximum gust 29 m.p.h. from S.E. at 12h. 32m. Cloudy night.
31. Light passing showers 0h. to 1h. Squally E.S.E. breeze. blowing, maximum gust 29 m.p.h. from S.E. by E. 12h. 52m., wind moderating at 16h. Cloudy night.

ADDITIONAL NOTES.

A very dry month. The driest October on record was in the year 1884, when 0·51 of an inch was recorded. Since then October, 1930, is the driest with its total fall of 0·83 of an inch only.

The trade winds blew for the greater part of the month, and were quite boisterous at times. The maximum gust recorded was 30 miles per hour from S.E. at 12h. 25m. on 5th.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

NOVEMBER, 1930.

NOVEMBER.

Day.	Air Pressure at Mean Sea Levels in the Units of Measururement.		Temperature (degrees) F.)										Humidity.					
			In Screen.				Max.	Min.	In Open		In Ground.							
			Dry.	Wet.	Dry.	Wet.			Grass Min. Eve. to Morn.	Max. in Sun. Black Bulb in Vacuo.	I		Dew Point.		Vapour Pressure.		Percentage.	
	I	II	I.		II.						1 foot.	4 foot.	I	II	I	II	I	II
					Tenths.		Whole Degrees.											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.		
1	29·859	29·781	77·4	70·0	78·8	70·0	82	73	71	136	77·2	76·7	65	65	21·2	21·1	68	62
2	29·826	29·750	82·0	73·0	80·2	73·6	84	68	66	143	77·6	76·5	68	70	23·7	25·3	64	72
3	29·808	29·718	83·0	73·8	82·4	73·0	87	71	68	153	78·3	76·4	70	67	24·7	23·0	64	62
4	29·846	29·772	78·2	74·0	77·2	72·6	80	73	70	127	79·0	67·4	72	70	26·9	25·3	81	80
5	29·933	29·864	73·2	70·8	79·0	72·0	81	73	71	151	77·8	76·3	69	68	24·4	23·7	88	70
6	29·969	29·949	77·1	72·1	78·2	73·0	81	73	72	118	77·5	76·4	69	71	24·6	25·5	78	77
7	30·006	29·951	78·8	75·0	77·4	74·4	83	73	71	142	77·3	76·5	73	73	29·9	27·3	83	86
8	29·964	29·898	77·6	75·4	80·8	76·2	83	74	73	145	78·0	75·6	75	75	29·8	29·2	90	80
9	29·969	29·935	79·0	74·6	76·8	73·0	81	75	72	131	78·5	77·0	72	71	27·2	26·0	80	83
10	30·039	29·975	74·0	66·6	75·0	66·8	78	71	69	120	77·4	76·8	62	62	18·9	19·0	66	63
11	30·037	29·949	74·7	65·9	73·4	67·2	78	71	67	115	76·7	76·8	60	63	17·8	19·9	60	71
12	29·988	29·893	73·2	69·6	76·0	69·8	79	71	69	124	76·2	76·5	68	67	23·1	22·4	83	72
13	29·929	29·856	78·6	73·6	78·3	73·1	81	72	70	142	76·4	76·2	72	71	26·5	25·5	78	77
14	29·932	29·845	78·4	75·8	82·0	76·0	84	74	72	141	76·8	76·2	74	73	29·0	28·0	88	75
15	29·890	29·885	83·2	76·2	79·0	77·2	86	75	74	147	77·8	76·2	73	76	27·5	30·8	72	92
16	29·925	29·854	79·4	77·0	82·2	77·4	86	72	70	145	78·4	76·7	75	75	30·1	29·5	89	80
17	29·957	29·896	80·2	76·0	79·0	75·0	84	75	73	147	79·8	77·0	74	73	28·9	27·9	82	82
18	29·990	29·919	79·1	71·7	81·2	71·4	83	74	70	148	79·3	77·9	68	66	23·0	21·5	69	61
19	29·939	29·869	80·8	70·0	81·4	71·2	83	70	67	152	79·3	78·4	64	66	20·2	21·5	56	59
20	29·939	29·860	78·0	72·0	79·2	74·0	82	73	69	140	79·1	78·4	69	72	24·1	26·5	74	78
21	29·888	29·810	77·4	74·0	75·0	73·0	80	75	73	113	78·9	78·5	72	72	26·6	26·8	85	90
22	29·835	29·764	74·2	72·8	77·4	73·6	82	71	69	148	78·0	78·3	72	71	26·6	26·0	93	83
23	29·693	29·392	75·1	73·3	74·0	74·0	76	74	72	100	78·0	78·0	72	74	26·8	28·7	92	100
24	29·738	29·767	75·0	71·8	75·8	70·6	77	73	72	120	77·0	76·5	71	68	25·5	23·7	85	77
25	29·900	29·850	74·0	68·0	80·0	70·4	81	66	64	143	76·4	76·2	64	65	20·7	21·3	72	60
26	29·956	29·870	78·4	69·6	80·6	70·0	81	69	65	147	77·4	76·3	64	65	20·2	20·8	62	57
27	29·993	29·917	77·0	69·4	79·4	70·2	83	71	69	149	77·9	76·4	65	65	21·2	21·1	67	62
28	29·994	29·921	77·6	70·0	79·8	71·6	82	70	67	139	77·8	76·7	66	68	22·1	23·3	67	66
29	29·969	29·901	79·4	69·2	79·2	70·4	82	72	69	150	77·6	76·8	63	65	19·8	21·1	58	63
30	29·943	29·863	78·8	70·0	78·6	70·4	82	72	69	147	77·3	76·9	65	67	21·1	22·4	62	65
Totals	897·652	895·474	2332·8	2161·2	2357·3	2171·1	2452	2164	2093	4123	2334·7	2306·4	2066	2074	732·1	734·1	2256	2205
Means	29·922	29·849	77·8	72·0	78·6	72·4	81·7	72·1	69·8	137·8	77·8	76·9	68·9	69·1	24·4	24·5	75·2	73·5

METEOROLOGICAL SUMMARY FOR MONTH OF NOVEMBER, 1930.

Highest Pressure—30·039″ at 8.30 a.m. on 10th.
Lowest Pressure—29·392″ at 3.30 p.m. on 23rd.
Highest Temperature in Shade—87° on 3rd.
Lowest Temperature in Shade 66° on 25th.
Greatest Range—16° on 3rd.
Least Range—2° on 23rd.
Mean Temperature for Month—76·9°
Greatest Humidity—100 per cent. at 3.30 p.m. on 23rd.
Least Humidity—56 per cent. at 8·30 a.m. on 19th.
No. of Days of—Rain, 19; Hail, 0; Thunderstorms, 2; Fog, 0; Gales (force 8 or more), 2.

VISIBILITY SUMMARY—NO. OF CASES OF

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8.30 a.m.	0	0	0	0	0	0	0	0	1	1	9	8	9	2
3.30 p.m.	0	0	0	0	0	1	0	0	2	5	4	10	7	1

RAINFALL:—Total, 8·13″; average, 9·85″ for 46 years; difference from normal—1·72; greatest fall in 24 hours, 3·84″ on 23rd.

NOVEMBER.

Wind Direction and Force (Beaufort Scale). I		II		Weather (Beaufort Letters). At time of Observation I.	During day I to 2.	At time of Observation II.	During night II to I.	Cloud. Amount (10-10) I	II	Form I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day measured at 15h. 30m.	17 hours measured next morning at 8h. 30m.	Sunshine. Hours and tenths.	Visibility.		State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	Fc.	Dir.	Fc.											in.	in.						
S.E./E.	4	S.E./E.	3	c	c,od	o	c,bc,b	8	9	st-cu/cu-nb	cu/st-cu	S.E.	...	0·01	..	1·6	J	K	0	0	1
E.N.E.	2/3	E./S.	4	bc	b,bc,c	c	o,c,bc	6	7	ci/cu	ci/cu/st-cu	N.E.	E.N.E.	..	..	6·2	L	K	0	0	2
N.N.E.	2	E.N.E.	3	bc	bc,b,c,o	o	od,c	6	9	cu/cu-nb	st/nb	N.N.E.	...	..	0·02	5·7	K	I	0	0	3
E'ly	3	E./S.	4/5	c	c,orq,g	ogq	ogqd	8	10	cu-nb/nb	st/nb	E.N.E.	E.	0·03	0·15	1·5	K	J	0	0	4
E./S.	3	E.	4	od	od,c	o	o	10	9	nb	st/cu-nb	E.	E.	0·02	..	1·3	I	K	1	0	5
E.	4	E.S.E.	4	0	c,o	o	op	9	10	st-cu/nb	st/nb	...	E.S.E.	..	0·12	0·1	K	K	0	0	6
E./S.	3/4	E.S.E.	3/4	o	o	o	od	9	10	st-cu/cu-nb	st/nb	E.	E.	Trace	0·03	2·5	J	J	1	0	7
E.	2	E.S.E.	4	o	c,o	o	od	10	9	cu-nb	st-cu	E.N.E.	E.S.E.	..	0·05	0·6	J	K	1	0	8
S.E.	2	S.E.	4	o	c,o	o	od	10	10	cu/cu-nb	cu-nb	E.S.E.	S.E.	..	0·27	0·2	L	L	0	0	9
E.S.E.	4	S.E./E.	4	o	o	o	o	10	10	st-nb	st-nb	E.S.E.	...	..	..	0·0	L	L	0	0	10
E./S.	3	S.E./E.	3	o	or,d	od	o	10	10	st-cu	st-nb	...	...	0·05	Trace	0·0	L	K	0	0	11
E.	2/3	E./S.	4	o	od	o	bc,od	10	9	st/nb	st-cu/nb	E.	E.	0·01	0·05	0·1	K	K	0	0	12
E.	3	E.	4	o	c,o	o	ortlp	9	9	st-cu/cu-nb	cu/st/nb	E.	E.	Trace	0·51	1·9	J	I	0	0	13
N.E.	3	E.N.E.	4	o	cp	cp	bc,cpq	9	8	cu-nb/nb	cu/cu-nb	...	E.N.E.	0·01	1·13	4·4	K	I	1	0	14
N.N.E.	2	S.E.	2	c	cpoRtl	oRtl	oRtld,c	6	10	ci-st/cu/cun	nb	N./E.	...	0·13	0·90	5·6	M	I	2	2	15
Calm	0	S.E.	3	bc	bc,c	c	c,od	6	7	cu/cu-nb	cu/cu-nb	N.E.	S.E.	..	0·04	7·6	M	M	2	1	16
E.S.E.	3	S.E./E.	4	c	c,oz	oz	oz,c	8	10	cu-nb	st/nb	E.S.E.	S.E.	..	Trace	2·8	J	H	1	0	17
S.E'ly	2/3	S.E'ly	2/4	c	c,bc,bq	bq	bc,z	7	3	ci/fr-cu/st-c	fr-cu	...	S.E.	..	..	10·1	L	L	0	0	18
N.E.	3	E.S.E.	4	bcz	bcz	bcz	bcz,c	6	4	fr-cu	cu	N.E.	N.N.W.	..	..	11·2	J	I	0	0	19
E./S.	2	E./S.	4	o	oz	oz	oz,d	10	9	st-cu	cu/st-cu	E.	E.	Trace	0·03	0·9	K	J	0	0	20
E./S.	3	S.E.	4	oz	ozir	oir	oirqd	10	10	st-cu	nb	E.	S.E.	0·12	0·69	0·0	J	H	0	1	21
N.E./E.	2	E.S.E.	4	od	od	o	odq	10	9	nb	st/nb	E.	E.S.E.	0·03	0·08	0·7	H	J	2	1	22
E'ly	4/5	E.S.E.	6/8	odq	oRRq	oRR	oRRq	10	10	nb	nb	E.	E.S.E.	0·80	3·04	0·0	J	E	2	2	23
S.W./W.	6	S.W./S.	5	oq	oq,c,bc	bc	bc,bw,c	10	5	st/nb	cu/cu-nb	S.W./W.	S.S.W.	..	Trace	1·6	J	L	2	2	24
S.S.E.	2	S.E'ly	3	o	oc,bc	bc	bw,bc	9	4	st-cu/cu-nb	cu	...	S.E.	..	0·01	7·8	L	L	5	1	25
E.S.E.	3	E.S.E.	4	bc	bc,b	b	bc,c	6	3	cu	cu/st-cu	...	E.	..	Trace	10·8	L	L	5	0	26
E./N.	3	E.S.E.	4	c	bc,c	c	cq	8	7	cu/st-cu	cu/cu-nb	E.N.E.	E.	..	..	5·5	L	L	0	0	27
E.	3/4	E.S.E.	3/5	cq	cq,bc,c	cq	cq,o,bc	7	7	cu/cu-nb	cu/cu-nb	...	E.	..	Trace	4·0	K	K	0	0	28
E.	3/5	E.S.E.	4	bcq	bc,q	bc	bc,c	6	5	ci/a-cu/st-cu	cu/st-cu	E.N.E.	E.	..	Trace	7·2	L	K	0	0	29
E.	4	E.S.E.	4/5	c	bc,cq	cq	cq,obc	8	8	cu/st-cu	cu/cu-nb	E.	E./S.	..	Trace	7·6	K	K	0	0	30
...	..	...	..	...	...	...	...	251	240	...	...	...	...	1·21	6·92	109·5	..	..	..	..	Totals
...	..	...	..	...	...	...	...	8·4	8·0	...	...	...	...	..	..	3·7	..	..	..	..	Means

Amount of Cloud.

Hour.	Number of cases of total cloud amount of. 0	1/3	4/6	7/9	10
8.30 a.m.	0	0	7	12	11
3.30 p.m.	0	2	4	14	10

WIND SUMMARY.

	Force 8 or more.	4/7.	1/3.	Calms.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	9	20	1	0	2	3	1	15	3	3	1	0	0	1	0	0	0	0	0
3.30 p.m.	1	23	6	0	0	0	0	2	6	11	10	0	0	0	1	0	0	0	0	0
	1	32	26	1	0	2	3	3	21	14	13	1	0	0	2	0	0	0	0	0

Prevailing Direction, E.; 8.30 a.m., E.; 3.30 p.m., E.S.E.

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.

REMARKS.

Date.

1. Early morning fine but cloudy, moderate S. Easterly breeze blowing, falling off at 15h. Drizzle 10h. 50m. to 11h. 5m. Calm 21h. Clear night.
2. Early morning fine clear and calm. E.N. Easterly breeze 7h. 30m., increasing and working to E.S.E. falling off at 15h. and working to N.N.E. Cloudy 15h. and at night.
3. Calm 4h. Light N.N.E. breeze 7h., increasing at 8h. 40m. and working to E.N.E. Light W. breeze 17h. Calm 20h. 30m. Overcast 15h. 30m. Thin drizzle 16h. 50m. to 18h. 40m. Cloudy night.
4. Early morning fine but cloudy with light N. Easterly airs. Gentle Easterly breeze 8h. Squally breeze after 10h., maximum gust 25 m.p.h. from E. by S. at 16h. 49m. heavy rain 10h. 58m. to 11h. Drizzle on and off 16h. 45m to 24h.
5. Early morning overcast, drizzle on and off 6h. to 10h. 30m., gentle to moderate Easterly breeze blowing.
6. Cloudy all day with gentle to moderate Easterly breeze. Light passing showers 21h. 15m.
7. Light passing showers to 4h. Gentle to moderate Easterly breeze blowing. Drizzle on and off 16h. 20m. to 18h. 30m.
8. N. Easterly airs 1h. Drizzle 1h. 30m. to 2h. Light Easterly breeze 6h., working to E.S.E. and increasing, moderating at 17h. Cloudy all day. Drizzle on and off 17h. to 20h.
9. Calm 5h. Light S. Easterly breeze 7h. 10m., increasing to force 4 and 5. Cloudy all day. Trace of rain 13h. 50m. Drizzle 19h. 15m. to 21h.
10. Overcast all day with moderate S. Easterly breeze.
11. Early morning overcast, gentle Easterly breeze blowing. Wind varying between N.E. and S.E. after 12h. Rain 12h. 25m. to 12h. 40m. Light N. Easterly airs 19h. Cloudy night.
12. Early morning overcast, light to gentle Easterly breeze blowing. Drizzle 8h. 35m. to 8h. 40m. Half cloudy 16h., cloudy night. Wind worked to N.E. after 18h falling off.
13. Drizzle 3h. 35m. to 3h. 50m. Gentle E. breeze 7h. 45m., increasing at 9h. maximum gust 22 m.p.h. at 13h. 10m. from E. Rain 17h. to 21h. 15m. Light to moderate N. Easterly airs after 18h. 45m. Thunderstorm 19h. to 19h. 30m.
14. Passing showers 6h. 45m. to 15h. 30m. (usually lasting a few seconds) N. Easterly breeze blowing, increasing at 7h. falling off at 18h. Heavy passing showers 21h. Lighting 22h. to 23h.
15. Passing showers to 6h. Variable N.W. airs 3h. to 5h. Squall at 4h. 3m. (20 m.p.h.) thence light N.N. Easterly breeze. Half cloudy 7h. Variable S.E. to N.N.W. winds 9h. to 18h. Passing showers 12h. 10m. to 12h. 40m. Thunderstorm 14h. 3m. to 16h. 30m. Heavy rain 15h. 20m. to 17h. thence drizzle on and off to 20h.
16. Half cloudy and calm in early morning, S.W. airs 8h. 50m. Changed to S.E. force 3, 10h. falling off at 17h. Cloudy 15h. and at night.
17. Early morning fine but cloudy and calm. Drizzle 7h. 15m. Gentle E.S.E. breeze 7h. 4m., working to S.E. force 4. Gentle S. Easterly breeze 16h. Thick haze at and after 12h. Cloudy night.
18. Early morning fine but cloudy, light to gentle S. Easterly breeze blowing. Light breeze 20h. working to E. Fine and clear afternoon and night. Golden sunset.
19. Early morning fine half cloudy and hazy, wind changed to N.E. 4h. increasing at 7h. 30m., gradually working to E.S.E. falling off at 18h. Gentle Easterly breeze 22h. 30m.
20. Calm 5h. and cloudy Easterly breeze 6h. 50m. increasing to force 4, 11h. moderating at 17h. Cloudy and hazy all day and night. Thin drizzle 23h. 30m.
21. Thin drizzle on and off to 4h. gentle Easterly breeze blowing, increasing at 10h. and working to S.E. Intermittent rain 13h.. Light to fresh breeze after 16h.
22. Intermittent rain to 3h. wind changed to N.E. 6h. 30m. with occasional thin drizzle to 10h. 25m. Wind changed to E. by S. 8h. 35m. Shower at 17h. 15m. and squally.
23. Drizzle on and off 1h. 40m. Moderate to fresh Easterly breeze 6h. moderate to heavy continuous rain 9h. 50m. Wind increasing and gradually working to S.E. force 9 by 16h. reached S. at 19h. increasing to force 11 with heavy squalls and driving rain. Wind S. by W. after 20h. moderating at 21h. and light rain. Maximum wind velocity 71 m.p.h. from S. at 19h. 55m. Wind changed to S. Westerly 23h. 10m. force 7 to 8.
24. Light rain to 0h. 35m. S. Westerly gale blowing, maximum gust 46 m.p.h. at 0h. 40m. Fine but cloudy, wind changed S.S.W. 12h. 15m. gradually falling off after 15h. and sky clearing. Wind changed to S. 19h. 45m. Clear cool night.
25. Dew on grass. Variable Northerly airs 1h. Light variable S. Easterly wind 8h. fine but cloudy. Sky cleared 10h. Light to gentle E.S.E. breeze after 18h. Clear night.
26. Early morning fine but cloudy. Calm 4h. 30m. Light E.S.E. breeze 7h. 10m. increasing to force 4 at 10h. working to E. after 18h. Half cloudy at night.
27. Early morning fine but cloudy and calm. Easterly breeze 7h. 15m. Moderate E.S.E. breeze 10h. 20m. and half cloudy. Gentle Easterly breeze 19h. and cloudy.
28. Variable Northerly airs 2h. Gentle to moderate E. breeze 6h. 20m. and cloudy. Variable S.E. to N.E. airs 11h. to 12h. 40m. thence gentle to moderate E.S.E. breeze gradually working to E. Cloudy night.
29. Early morning fine half cloudy, gentle to fresh Easterly breeze blowing, changed to E.S.E. 11h. and to E. 22h. 45m. and trace of rain.
30. Early morning fine but cloudy, moderate E. breeze blowing. Moderate to fresh E.S.E. breeze after 9h. 30m. Cloudy night. Trace of rain at 11h. 45m.

ADDITIONAL NOTES.

On November 23rd, a small but severe hurricane passed through the Fiji Group moving in a S. Easterly direction. It passed South-West of Rotuma on the 22nd, and a short distance North and East of Nukualofa, Tonga on the 24th. The centre passed over the North-Eastern Coast of Vitilevu, Levuka (Ovalau), Ngau and the islands of Southern Lau. The progressive movement of this storm is approximately 20 miles per hour.

The lowest barometer recorded at Suva was 29·220 at 5.30 p.m. on 23rd and the wind reached its maximum velocity in a fierce squall of 71 miles per hour from South at 7.55 p.m. In the morning the wind was Easterly force 4 with a gradual shift to S.E. and S. and increasing in force. At 11·10 p.m. the wind chnaged to S.W. force 4 to 8, moderating.

The following observations were taken by the Harbour Master, Levuka:—

November 23rd, 1930:—

9 a.m. 29·771 E.S.E. 2 to 3; noon 29·608 E. by S. 4; 3 p.m. 9 a.m. 29·771 E.S.E., 2 to 3; noon 29·608 E. by S., 4; 3 p.m. 29·464 E., 4; 5 p.m. 29·000 E.N.E., 9 to 10; 6 p.m. 28·686 E.N.E., 11 to 12; 7 .p.m. 28·208, calm.; 8 p.m. 28·350 W. by S., 12; 9 p.m. 28·600 W. by S., 12; 10 p.m. 29·080 W. by S. 7 to 8. The calm lasted 45 minutes.

At Penang where the centre also passed, the lowest reading by Aneroid Barometer was 28·41 at 4.41 p.m. The calm lasted approximately 25 minutes.

The centre of the storm also passed over the island of Ngau where the lowest reading by Aneroid Barometer was 28·59 at 9 p.m. The calm lasted 45 minutes.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,

DURING

DECEMBER, 1930.

DECEMBER.

Day.	Air Pressure at Mean Sea Level in the Units of Measurement.		Temperature (degrees F.)										Humidity.					
			In Screen.				Max.	Min.	In Open.		In Ground.		Dew Point.		Vapour Pressure.		Percentage.	
			Dry.	Wet.	Dry.	Wet.			Grass Min. Eve. to Morn.	Max. in Sun. Black Bulb in Vacuo.	I							
	I	II	I.		II.						1 foot.	4 foot.	I	II	I	II	I	II
			Tenths.				Whole Degrees.											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	mb.	mb.		
1	29·951	29·896	80·0	71·6	75·8	70·4	81	72	68	155	77·4	77·0	67	67	22·6	23·0	65	76
2	29·949	29·881	78·0	72·8	80·2	74·2	82	73	70	145	77·4	76·9	71	71	25·5	26·0	77	74
3	29·932	29·857	78·8	72·6	82·0	74·8	84	75	72	157	78·0	77·0	70	72	25·1	26·5	73	70
4	29·928	29·847	80·2	76·2	81·8	72·8	84	71	69	150	78·4	77·0	74	68	28·9	23·7	83	64
5	29·898	29·843	77·8	73·4	80·8	74·2	83	72	69	147	79·0	77·1	71	71	26·2	26·0	80	75
6	29·867	29·801	79·0	75·0	79·0	75·0	84	74	73	147	79·0	77·2	73	73	27·9	27·9	83	82
7	29·841	29·799	83·0	76·0	78·4	74·0	84	72	70	153	79·0	77·0	73	71	27·5	26·2	71	80
8	29·789	29·750	78·6	75·6	78·8	76·2	84	74	73	148	80·0	77·8	75	75	29·3	30·1	86	88
9	29·804	29·754	79·2	75·2	84·0	77·0	85	75	73	147	80·2	78·4	73	74	27·9	28·6	83	72
10	29·849	29·814	82·2	77·2	82·8	76·6	86	76	74	...	81·2	79·0	75	74	29·5	29·0	79	74
11	29·885	29·833	83·2	76·2	84·4	76·6	87	77	76	...	81·2	79·3	73	72	27·5	27·1	72	69
12	29·928	29·865	80·8	75·0	83·4	76·0	85	75	73	...	81·2	79·4	72	72	27·0	26·8	75	70
13	29·897	29·815	81·8	74·0	83·8	75·6	86	76	71	...	80·8	79·7	70	72	25·1	27·1	68	67
14	29·888	29·823	82·6	75·0	83·6	75·0	87	76	73	...	81·1	79·8	72	72	26·8	26·4	69	66
15	29·846	29·783	79·4	73·6	81·4	73·8	85	75	72	...	81·6	79·8	70	70	25·1	24·9	75	69
16	29·790	29·732	81·0	72·4	82·8	73·2	85	74	74	...	81·4	80·0	68	69	23·5	24·0	65	61
17	29·800	29·748	81·0	73·0	82·0	73·2	85	74	71	...	82·0	79·8	69	68	24·2	23·7	66	64
18	29·817	29·759	80·0	70·4	80·2	70·4	83	72	68	...	82·2	80·0	65	64	21·3	20·6	60	60
19	29·749	29·665	81·2	74·4	85·0	76·8	86	70	68	...	82·8	80·4	71	73	25·6	28·1	72	68
20	29·730	29·658	76·4	75·2	76·8	75·4	81	76	74	...	83·1	80·0	75	75	29·2	29·5	94	93
21	29·726	29·670	78·0	75·0	79·0	75·0	80	73	73	...	80·2	80·2	74	73	28·3	27·9	86	82
22	29·777	29·742	78·8	72·0	78·6	73·6	83	71	70	...	79·9	80·1	68	72	23·7	26·5	70	78
23	29·822	29·792	77·0	70·2	80·2	72·8	83	74	70	...	80·1	80·0	66	69	21·9	23·9	70	69
24	29·830	29·767	80·0	72·6	79·2	71·8	84	73	69	...	80·0	79·8	69	68	23·9	23·0	69	69
25	29·778	29·712	77·2	72·6	76·4	71·4	78	74	70	...	80·0	79·3	70	68	25·3	23·7	80	78
26	29·781	29·748	76·0	72·0	78·0	72·6	81	73	71	...	79·8	79·0	70	70	25·0	24·8	82	76
27	29·825	29·773	80·0	73·8	80·4	73·8	83	72	69	...	79·2	79·0	71	70	26·0	25·3	74	72
28	29·855	29·802	81·6	74·4	80·6	72·0	84	73	71	...	80·0	78·8	72	68	26·5	23·5	70	64
29	29·889	29·829	76·2	73·2	83·0	73·8	84	73	70	...	80·0	78·6	72	70	26·4	24·7	86	63
30	29·924	29·876	81·2	70·2	83·8	72·0	85	74	72	...	80·2	78·4	64	66	20·2	21·5	57	55
31	29·899	29·843	79·2	73·0	81·2	73·0	86	70	68	...	80·4	78·6	70	69	25·1	24·2	74	67
Total	925·244	923·477	2469·4	2283·8	2506·6	2293·0	2598	2279	2200	...	2486·8	2444·4	2193	2186	798·0	794·2	2314	2215
Means	29·847	29·790	79·7	73·7	80·9	74·0	83·8	73·5	71·0	...	80·2	78·9	70·7	70·5	25·7	25·6	74·6	71·5

METEOROLOGICAL SUMMARY FOR MONTH OF DECEMBER, 1930.

Highest Pressure—29·951″ at 8.30 a.m. on 1st.
Lowest Pressure—29·658″ at 3.30 p.m. on 20th.
Highest Temperature in Shade—87° on 11th and 14th.
Lowest Temperature in Shade—70° on 19th and 31st.
Greatest Range—16° on 19th and 31st.
Least Range—4° on 25th.
Mean Temperature for Month—78·7°.
Greatest Humidity—94 per cent. at 8.30 a.m. on 20th.
Least Humidity—55 per cent. at 3.30 p.m. on 30th.
No. of Days of—Rain, 24; Hail, 0; Thunderstorms, 0; Fog, 0; Gales (force 8 or more), 0.

VISIBILITY SUMMARY—NO. OF CASES OF

Hour.	X	A	B	C	D	E	F	G	H	I	J	K	L	M
8.30 a.m.	0	0	0	0	0	0	0	1	0	0	3	11	13	3
3.30 p.m.	0	0	0	0	0	0	0	1	0	5	2	6	13	4

RAINFALL:—Total, 7·01″; average, 12·64″ for 46 years; difference from normal—5·63″; greatest fall in 24 hours, 4·61 on 20th.

DECEMBER.

Wind Direction and Force (Beaufort Scale). I		II		Weather (Beaufort Letters) At time of Observation I.	During day I to 2.	At time of Observation II.	During night II to I.	Cloud. Amount (10-10) I	II	Form. I	II	Direction whence coming. I	II	Amount of Rain. 7 hours during day measured at 15h. 30m.	17 hours measured next morning at 8h. 30m.	Sunshine. Hours and tenths.	Visibility.		State of Ground. I	II	Day.
(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	
Dir.	Fc.	Dir.	Fc.											in.	in.						
S.E.	3	E./S.	3	bc	c,qod	o	od	6	10	cu/cu-nb	st	E.	...	0·01	0·01	4·7	K	K	0	0	1
E.S.E.	4	E.S.E.	4	c	cq	c	c,o	8	7	cu-nb	cu/cu-nb	E.S.E.	E.S.E.	Trace	..	6·5	K	K	0	0	2
E./S.	3	E.S.E.	3	o	c'bc,b	b	b,bc	9	3	cu-nb	cu	...	E.S.E.	..	..	7·3	K	K	0	0	3
E.	3	S.E.	4	bc	bc	bc	bc,c,or	6	6	a-cu/cu/st	ci/a-cu/a-st	E.	...	..	0·02	11·0	M	M	0	0	4
E'ly	2	E./S.	4	o	c,o	o	od	9	10	st/nb	a-st/st-cu	E.	...	Trace	0·02	3·6	K	K	0	0	5
E./N.	2	S.E.	3	o	odr	od	odr,c	9	10	cu-nb	cu-nb	...	...	0·02	0·25	2·2	L	L	0	0	6
S.E.	2	S.E.	3	c	bc,c	c	c,od	8	7	ci/cu	ci-cu/cu	S.E.	S.E.	..	0·07	10·8	L	L	0	0	7
S.S.E.	3	S.	3	c	c,od	od	c,od,bc	8	10	cu/cu-nb	st/nb	S.S.E.	...	0·01	0·01	2·2	L	L	0	0	8
S.S.E.	3	S.E.	3	c	c,bc,b	b	bc,cp	7	3	cu-nb	cu/cu-nb	...	S.E.	..	0·02	10·7	M	M	0	0	9
E'ly	4	E./S.	4	c	c,bc	bc	bc,cd,bc	7	6	cu-nb	a-cu/cu-nb	E.	...	Trace	0·01	8·9	L	K	0	0	10
E.	4	E'ly	4	bc	bcz	bcz	cz,bc,c	5	4	cu/st-cu	cu	E.N.E.	E.N.E.	..	0·09	10·6	K	I	0	0	11
E.	4/5	E.	3/5	cz	cz,bcq	czq	czq,bc	8	7	st-cu	cu/st-cu	E.	E.	..	Trace	7·2	J	I	0	0	12
E.	3	E./S.	4	bcz	bcz,b	bz	c,o,bcz	6	3	cu/st-cu	fr-cu/st-cu	E.	E.	..	Trace	7·6	J	I	0	0	13
E./S.	4	S.E./E.	4	bcz	bcz	bcz	bcz,cr	4	4	ci/cu	fr-cu/st-cu	E.	E.S.E.	..	0·03	11·2	J	J	0	0	14
E.N.E.	3	E.S.E	3	c	cp	c	c	8	8	cu-nb	cu/st-cu	E.N.E.	E.S.E.	0·01	Trace	5·5	K	L	0	0	15
E'ly	3	E.S.E.	4	c	c,bc	bc	bc,or,bc	7	4	cu/cu-nb	cu	E.	E.S.E.	..	0·03	11·9	L	L	0	0	16
E./S.	3	S.E./E.	4	bc	bc,c	c	c,bc	6	8	cu-nb	cu/cu-nb	E.	E.S.E.	..	..	10·2	L	M	0	0	17
S.E./E.	3	s'ly	3	bc	bc,b	b	b,bc	4	1	fr-cu	fr-cu	E.S.E.	S.S.E.	..	..	11·8	M	M	0	0	18
S.E'ly	3	S.E'ly	3/4	bc	b,bc	bc	bc,c,oir	4	4	cu/st-cu	fr-cu/st-cu	S.E.	E.S.E.	..	0·04	8·9	L	L	0	0	19
S.S.E.	3	E.S.E.	3	oir	oir	oir	oirRR	10	10	nb	nb	E.S.E.	E.S.E.	0·15	4·46	0·0	L	G	0	1	20
E.	4	S.E./E	4	oir	oirq	oirq	oirq	10	10	nb	nb	E.	E.S.E.	0·18	0·32	0·0	G	I	2	2	21
E.S.E.	3	E.S.E.	3	o	c,o	o	or	9	10	st/st-cu	st/nb	E.	E.S.E.	..	0·06	2·2	L	K	2	1	22
E.S.E.	3	S.E./E.	4	o	c,o	c	cp,bc	10	7	st	cu/cu-nb	E.S.E.	E.S.E.	..	0·02	1·6	L	L	1	1	23
S.E.	4	S.E.	4	bc	bc,c,o	o	op,c	5	10	ci/cu	st/nb	S.E.	S.E.	..	0·02	8·9	L	L	0	0	24
S.E.	3/4	E.S.E.	4	o	oir	oir	oir	10	10	st/nb	st/nb	S.E.	...	0·29	0·15	1·4	K	J	1	2	25
E.S.E.	3/4	E.S.E.	4	o	oir	o	bc	10	10	cu-nb	cu-nb	E.S.E.	E.S.E.	0·33	Trace	1·5	L	I	2	2	26
E./N.	3	S.E./E.	4	bc	bc,c,o	o	oR,bc	6	9	ci/cu/cu-nb	st/st-cu	E.	...	Trace	0·25	5·9	K	L	1	1	27
E./S.	4	E./S.	4	bc	bc	bc	op	6	5	cu/cu-nb	ci/cu	E.	E.	..	0·05	6·2	K	L	1	0	28
E.N.E.	1	E.S.E.	3	o	o,c,bc	bc	c,or,bc	9	4	cu-nb	cu	...	E.S.E.	..	0·02	6·3	K	L	1	0	29
E./N.	4	E./S.	4	bc	bc,b	b	bc,bw		1	cu	fr-cu	...	E.	..	..	11·1	L	L	0	0	30
N.E.	2	E./S.	4	bc	bc,c	c	c,op,bc	5	7	cu/cu-nb	cu/cu-nb	N.E.	E.	..	0·06	7·5	K	L	5	0	31
...	..	...	..	...	...	...	...	224	208	...	...	...	...	1·00	6·01	205·4	..	..	..	..	Totals
...	..	...	..	...	...	...	...	7·2	6·7	...	...	...	...	..	..	6·6	..	..	..	..	Means

Amount of Cloud.

Hour.	Number of cases of total of cloud amount of. 0	1/3	4/6	7/9	10
8.30 a.m.	0	0	13	13	5
3.30 p.m.	0	5	8	8	10

WIND SUMMARY.

	Force 8 or more.	4/7.	1/3.	Calms.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
8.30 a.m.	0	11	20	0	0	0	1	2	15	4	6	3	0	0	0	0	0	0	0	0
3.30 p.m.	0	20	11	0	0	0	0	0	9	9	11	0	2	0	0	0	0	0	0	0
	0	31	31	0	0	0	1	2	24	13	17	3	2	0	0	0	0	0	0	0

Prevailing Direction, E.; 8.30 a.m., E.; 3.30 p.m., S.E.
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.

REMARKS.

Date.

1. Early morning fine, half cloudy, gentle Easterly breeze blowing. Squally wind 10h. and cloudy. (Maximum gust 26 m.p.h. from S.W.) thin drizzle 14h. 10m. to 14h. 40m. and 19h. 15m. to 19h. 30 m.
2. Early morning fine but cloudy, squally E.S.E. breeze blowing. Cloudy all day and night.
3. Early morning fine but cloudy with gentle E.S.E. breeze changed to E.N.E. 9h. 50m. and to E.S.E. 11h. and sky clearing. Half cloudy night.
4. Early morning fine, half cloudy. Calm 1h. gentle Easterly breeze 7h. Moderate S. Easterly breeze 10h. 20m. Light Easterly breeze 18h. 40m. Northerly airs 23h. 50m.
5. Light rain 4h. 30m. to 4h. 40m. Light Easterly breeze 8h. increasing at 10h. falling off after 17h. and working to N.E. Cloudy all day and night. Trace of rain at 10h. 30m.
6. Drizzle 4h. 30m. to 5h. Light E.N. Easterly breeze 7h. and cloudy. Wind changed S. Easterly 3 to 4, 10h. 30m. Drizzle and rain on and off 15h. to 24h. Calm 19h.
7. Early morning fine but cloudy and calm. S. Easterly breeze 7h. Half cloudy during day. Cloudy night.
8. Drizzle on and off 3h. 30m. to 7h. 30m. light to gentle S. Easterly breeze blowing. Drizzle 15h. 15m to 15h. 25m. Cloudy night.
9. Drizzle 2h. 40m. to 2h. 50m. S.S. Easterly breeze blowing half cloudy 7h. Cloudy 8h. 30m. S.S.W. wind 10h. working to S.E. after 13h. and sky clearing S.S.E. airs after 19h. Cloudy night.
10. Light passing showers of short duration 1h. to 6h. Gentle E.S.E. breeze 7h. 20m. increasing to force 4, at 8h. 15m. Half cloudy 10h. Bright sunset. Cloudy night
11. Early morning fine half cloudy, moderate (gusty) E. breeze blowing. Drizzle 1h. 5m to 1h. 10m. Hazy after 10h. wind moderating at 19h. and working to N.E. Cloudy night.
12. Light passing showers 0h. 10m. to 3h. 30m. and light E.N. Easterly breeze. Moderate to fresh E. breeze after 7h. 20m. Hazy; squally breeze after 11h, falling off at 19h. and working to N.E. Trace of rain at 23h.
13. Early morning fine, half cloudy and hazy, N. Easterly breeze blowing, working to E. force 4, by 7h. Gentle E.N.E. to E. breeze after 18h. Cloudy night.
14. Early morning fine but cloudy and hazy gentle to moderate Easterly breeze blowing.
15. Early morning cloudy, light to moderate E.N.E. to E.S.E. breeze all day. Light passing showers 10h. to 11h. Cloudy night.
16. Early morning fine half cloudy with East breeze, increasing after 7h. moderating at 17h.
17. Light rain 0h. 35m. to 0h. 45m. Fine half cloudy 6h. with gentle Easterly breeze, working to S. Easterly force 4. Purple and gold sunset.

Date.

18. Early morning fine and clear. S. Easterly breeze 4h. 40m. increasing at 7h. 15m. Changed to Southerly 14h. 55m. and to S.E. 18h. falling off at 21h. Purple and gold sunset.
19. Early morning fine clear and calm. Variable airs 6h. Gentle S. Easterly breeze 8h. increasing at 9h. Gentle E.S.E. breeze 19h. and cloudy.
20. Early morning overcast, E.S.E. breeze blowing. Light intermittent rain 8h. 15m. Wind changed S.S.E. 8h. 20m. and to E.S.E. 8h. 35m. Heavy steady rain 18h. 30m. to 24h.
21. Early morning overcast with light intermittent rain and moderate Easterly breeze. Squally breeze after 10h. gradually working to S.E.
22. Variable airs 1h. Gentle E.S.E. breeze 3h. 15m. Light intermittent rain to 2h. 30m. Overcast light rain 17h. 45m. to 18h. and 20h. 15m to 20h. 20m.
23. Early morning fine but cloudy. Gentle E.S.E. breeze blowing, working to S.E. force 4. Light passing showers 20h. 20m. to 21h.
24. Early morning fine, half cloudy moderate S.E. breeze blowing. Overcast 15h. Shower at 20h. 30m. and at 23h.
25. Early morning fine but overcast, moderate S. Easterly breeze blowing, intermittent rain 8h. 45m. Wind varying between E.N.E. and S.S.E. after 10h. 50m.
26. Early morning overcast intermittent rain to 10h. 50m. gentle to moderate E.S. Easterly breeze blowing, gentle breeze after 19h. Half cloudy 16h. and at night.
27. Early morning fine half cloudy, gentle Easterly breeze blowing gradually working to S.E. force 4. Cloudy night. Heavy rain 20h. 10m. to 20h. 35m.
28. Early morning fine half cloudy, gentle to moderate Easterly breeze blowing, falling off at 17h. Changed to E.N.E. 21h. Cloudy night.
29. Early morning cloudy and calm. Passing showers 4h. to 4h. 30m. Light to gentle E.N.E. breeze 7h. 10m. working to E.S.E. Half cloudy after 11h. Rain 21h. 5m. to 21h. 10m.
30. Early morning fine half cloudy, light to gentle N.E. to E.N.E. breeze. Moderate Easterly breeze 8h. falling off at 18h. Clear night.
31. Early morning fine clear and calm. Heavy dew. Light N.E. breeze 7h. 5m. Moderate E. breeze 10h. falling off at 19h. and working to N.E. Cloudy night.

ADDITIONAL NOTES.

From the first to the 19th it was very dry, thence fairly wet to the 27th.

On December 25th and 26th a hurricane passed between Fiji and Samoa, passing over Keppel Island and a short distance South of Niue, Savage Islands.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LEVUKA FOR THE YEAR 1930.

Months.	Mean Pressure Corrected to 32° F. and M.S.L.	Air Temperature (F°).						Mean Humidity per cent.	Prevailing Wind Directions.
		Means of		Absolute Max. and Min.					
		Max.	Min.	Max.	Date.	Min.	Date.		
January	29·836	83·8	77·3	89	29	81	1, 8	85·9	N.E. to S.E.
February	29·844	85·3	77·6	89	12	74	5	82·2	E.S.E.
March	29·844	84·1	77·5	87	16, 17	81	29, 30	83·0	S.E.
April	29·893	82·1	76·6	84	27	75	5, 7, 8, 24, 30	83·9	S.E.
May	29·930	80·0	75·6	82·5	1, 2, 3, 4, 6, 30	75	28, 30	85·0	S.E.
June	30·002	77·8	70·2	81	5	65	17	80·0	S.E.
July	29·991	76·5	69·6	84	10, 11	67	4, 6, 7	86·2	S.E.
August	30·089	76·3	69·6	83	22	68	Various	68·0	S.E.
September	30·040	75·0	68·7	80	25	65	6, 7, 8, 9, 10, 24	79·4	S.E.
October	30·037	76·7	71·3	84	19	68	4, 5, 7, 30	69·9	S.E.
November	29·921	78·6	73·4	85	15	68	24	72·9	S.E.
December	29·860	79·0	75·5	85	13	68	5	77·7	S.E.
Year	29·941	79·6	73·6	..	....	..	....	.. ..	S.E.
Mean Temperature ..	....	76·6		..	....	..	....	....	....

Note.—Observations are taken at 9 a.m. Standard Time by the Harbour Master, Levuka. The site is not considered as conventional, being on the wharf reclamation and rather close to buildings. Position of Station—Latitude 17° 41′ South, Longitude, 178° 49′ East.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MAKOGAI LEPER STATION BY THE MEDICAL SUPERINTENDENT.

1930.

Months.	Mean Pressure in Inches Corrected to 32° Faht. 45° Latitude and Mean Sea Level.		Air Temperature (F°). Mean Dry Bulb.		Mean Wet Bulb.		Means of Max.	Means of Min.	Absolute Max. & Min. Max.	Date.	Min.	Date.	Mean vapour Pressure in Millibars.		Mean Percentage of Relative Humidity (Saturation = 100).		Mean Amount of Cloud (0—10).	
	8.30	3.30	8.30	3.30	8.30	3.30							8.30	3.30	8.30	3.30	8.30	3.30
January	29·754	29·695	82·8	84·6	77·8	78·4	89·0	77·1	92·5	28	72	27	30·4	30·4	79·0	75·3	5·7	5·2
February	29·752	29·656	82·4	84·8	76·1	77·0	88·7	76·6	91·5	9	73	6, 11	28·0	28·8	74·0	70·4	6·0	6·3
March	29·828	29·760	82·6	84·4	76·3	76·8	88·9	76·9	92·0	9, 11	74	25	28·2	28·4	74·1	70·0	7·1	7·4
April	29,870	29·797	81·2	83·0	74·4	70·1	87·5	75·3	89·0	18, 20, 21	70	24	25·8	25·8	69·8	67·2	5·7	5·4
May	29·926	29·852	78·5	79·9	73·0	73·3	84·8	73·4	89·0	2	72	13, 14	25·1	24·9	73·8	71·2	7·8	7·5
June	30·038	29·882	76·6	77·3	69·1	69·4	82·1	71·2	86·0	25, 26	65	14	21·1	21·3	67·2	66·5	5·7	5·6
July	29·935	29·857	75·0	76·0	68·4	68·9	80·5	70·0	84·0	9	65	25	21·1	21·4	71·1	68·8	5·7	6·4
August	29·989	29·903	75·4	76·9	68·9	70·0	80·2	69·2	84·0	11, 13	64	10	21·4	22·0	71·0	69·8	5·5	5·2
September	29·934	29·865	73·6	75·1	66·8	67·7	78·9	69·2	83·0	29	65	8, 23	19·5	19·6	69·0	67·7	6·4	7·0
October	29·988	29·919	76·8	79·3	70·7	71·5	82·6	71·7	87·0	16	67	3	23·0	23·0	72·3	67·5	5·8	5·1
November.....	29·894	29·815	78·7	79·6	73·5	73·7	83·2	72·9	88·0	4	68	23	25·9	25·8	78·1	74·4	6·6	6·4
December	29·823	29·769	79·8	81·6	74·1	74·6	84·9	74·8	88·0	20	72	3	26·3	26·2	76·1	71·0	5·6	6·0
Year	29·893	29·814	78·6	80·2	72·4	72·6	84·3	73·2	..	....	..	....	24·7	24·8	73·0	70·0	6·1	6·1

Observations are taken at 8.30 a.m. and 3.30 p.m. but the correct time is not always available. However it is seldom more than 20 minutes out. With the exception of the month of April, there are a few occasions in each month when observations have not been taken.

Position of Station:—Latitude, 17° 26·52″ South; Longitude, 178° 58·38″ East.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT VUNISEA, KADAVU PROVINCIAL SCHOOL, BY MRS. U. G. ARTHUR.

1930.

Months.	Mean Pressure in Inches Corrected to 32° Faht. 45° Latitude and Mean Sea Level.		Air Temperature (F°). Mean Dry Bulb.		Mean Wet Bulb.		Means of Max.	Means of Min.	Absolute Max. & Min. Max.	Date.	Min.	Date.	Mean vapour Pressure in Millibars.		Mean Percentage of Relative Humidity (Saturation = 100).		Mean Amount of Cloud (0—10).	
	8.30	3.30	8.30	3.30	8.30	3.30							8.30	3.30	8.30	3.30	8.30	3.30
January	29·750	29·692	81·9	84·3	77·0	78·1	87·0	76·0	89	21, 31	71	25, 27, 28	29·6	30·2	80·0	75·0	6·0	6·0
February	29·730	29·677	80·7	83·5	76·3	77·6	86·0	76·0	90	1	71	4, 5, 28	29·1	29·9	81·0	76·0	6·0	6·0
March	29·801	29·728	80·5	83·5	76·5	77·6	85·0	75·0	90	6	70	22	29·5	30·0	83·0	76·0	6·0	6·0
April	29·838	29·788	76·2	81·9	73·3	75·7	84·0	73·0	87	20	70	12	26·7	27·7	87·0	75·0	5·0	6·0
May	29·902	29·842	75·0	80·1	71·2	72·2	81·0	73·0	87	2, 3	65	28	24·6	25·4	82·0	72·0	7·0	7·0
June	29·987	29·920	71·8	76·9	67·1	69·6	79·0	67·0	82	5	64	4, 5	21·4	21·4	78·0	68·0	4·0	5·0
July	29·910	29·829	69·3	73·3	65·5	66·9	76·0	65·0	78	22, 28, 29	62	26, 29	19·9	19·9	81·0	70·0	7·0	6·0
August	29·978	29·908	70·3	73·3	65·8	67·5	77·0	65·0	84	16	58	3	19·7	20·4	78·0	73·0	5·0	5·0
September	29·927	29·850	69·7	73·4	65·2	67·2	76·0	64·0	80	16	58	9	19·3	20·1	78·0	72·0	6·5	6·0
October	....	....	..	..	..	..	..	..	..	....	..	....	..	..	..	..	..	..
November.....	29·893	29·827	76·2	77·1	71·7	73·0	80·0	71·0	89	15	69	1, 9, 27, 30	24·7	26·0	80·0	82·0	7·0	7·0
December	29·818	29·750	76·6	79·0	72·7	73·7	81·0	73·0	84	14, 19	70	6, 17, 22, 26	25·6	26·2	82·0	77·0	6·1	5·6
Year	29·867	29·801	75·3	78·8	71·1	72·6	81·1	70·7	..	....	..	....	24·6	25·2	80·9	74·2	6·0	6·0

Observations are taken at 8.30 a.m. and 3.30 p.m. There are numerous occasions on which the observer was unable to take observations.

Total number of Thunderstorms recorded, 20; Gales, 0.

Position of Station:—Latitude, 19° 4″ South; Longitude, 178° 12″ East.

RETURN OF MAXIMUM, MINIMUM AND MEAN TEMPERATURES AT VARIOUS STATIONS IN FIJI DURING 1930, WITH ABSOLUTE MAXIMUM AND MINIMUM AND DATES OF THEIR OCCURRENCE.

Months.	Mean Max.	Mean Min.	Mean.	Abs. Max.	Date.	Abs. Min.	Date.	Mean Max.	Mean Min.	Mean.	Abs. Max.	Date.	Abs. Min.	Date.	Mean Max.	Mean Min.	Mean.	Abs. Max.	Date.	Abs. Min.	Date.	Mean Max.	Mean Min.	Mean	Abs. Max.	Date.	Abs. Min.	Date.
	Labasa, Macuata Province. Observer, Manager C.S.R. Co. Ltd.							Lautoka, Ba Province. Observer, Manager C.S.R. Co., Ltd.							Nadarivatu, Colo North Prvoince. Observer, District Commissioner.							Naitauba, Lau Province. Observer, K. J. Allardyce, Esq.						
January	..	..	..	..	....	..	....	90·0	74·6	82·3	94	1, 18, 19	71	5, 25, 27	80·5	68·8	74·6	91	1	32*	5	..	..	..	..	....	..	....
February ...	..	..	..	..	....	..	....	91·1	74·1	82·6	94	1, 2, 7, 8	70	4	87·2	75·3	81·2	111*	9	60	22, 24, 26, 28	..	..	..	..	....	..	....
March	..	..	..	..	....	..	....	90·2	73·4	81·8	95	19	69	31	77·3	65·6	71·5	86	12	59	1, 3	..	..	..	..	....	..	....
April	..	..	..	..	....	..	....	88·2	70·3	79·2	91	19, 20, 21	68	23	77·5	60·0	68·8	84	21	50	18	..	..	..	..	....	..	....
May	..	..	..	..	....	..	....	86·1	69·0	77·5	90	2	65	23	77·2	61·1	69·1	85	29	53	12	..	..	..	..	....	..	....
June	82·4	64·8	73·6	87	27, 28	57	16	83·5	65·0	74·3	91	5	59	13	70·2	58·3	64·3	80	1	..	....	80·9	72·2	76·5	85	25	68	8
July	81·0	66·7	73·9	86	10, 12	55	25	82·1	63·9	73·0	85	16, 17, 21	59	24, 25, 26	69·7	59·5	64·6	79	24	33	24	78·4	71·7	75·0	86	9, 10	68	2
August	82·5	66·7	74·6	88	7	60	25	82·1	65·3	73·8	86	14, 30, 31	60	2, 3, 24	75·1	59·4	67·2	81	31	52	7	81·7	71·0	76·3	86	6, 11, 12, 13	66	3
September ..	81·1	66·5	73·8	85	20, 27	60	1	80·0	65·4	72·7	87	6, 7	59	5	75·1	55·8	65·4	81	29	46	7	79·0	70·0	74·5	82	11, 16, 22, 28, 29	65	7
October	84·1	69·3	76·7	89	25	60	13, 14	85·3	68·0	76·6	92	27	59	6	76·3	56·4	66·4	80	20	40	29	83·0	72·0	77·5	87	17	66	14
November...	85·4	71·6	78·5	90	7	62	26	85·3	71·0	78·1	89	17	66	26	77·1	63·6	70·3	81	22	50	1	83·0	74·0	78·5	87	16	71	6, 7, 26
December ..	87·5	72·3	79·9	90	8, 13, 27	67	31	88·6	71·1	79·8	93	8	68	22, 23, 25	..	..	..	..	....	..	....	85·0	76·0	80·5	87	8, 19, 29	74	1, 4, 5, 19
Year ...	83·4	68·3	75·9	..	....	..	....	86·0	69·3	77·6	..	....	..	....	76·7	62·2	69·4	..	....	..	....	81·6	72·4	77·0	..	....	..	....
	Nasinu School, Rewa Province. Observer, T. Mason, Esq.							Nausori, Tailevu Province. Observer, Manager, C.S.R. Co., Ltd.							Penang, Ra Province. Observer, Manager, C.S.R. Co., Ltd.							Rarawai, Ba Province. Observer, Manager, C.S.R. Co., Ltd.						
January	85·6	75·4	80·5	92	14	70	25	87·0	73·9	80·5	91	16	68	25	87·9	75·0	81·5	92	15	68	27, 28	90·0	72·0	81·0	96	17	68	25, 26
February ...	85·3	74·7	80·0	91	25	71	4	87·4	73·4	80·4	91	24, 25	66	27	89·0	74·3	81·7	92	4, 9, 12, 13	67	5	90·0	72·0	81·0	95	8, 10	68	6, 27
March	84·9	74·6	79·7	90	9, 10	71	22	86·3	74·3	80·3	90	15	70	22	88·3	74·7	81·5	91	19	72	23, 25	89·0	71·0	80·0	94	16	68	8, 21, 23
April	82·3	72·9	77·6	86	11	68	24	84·3	68·8	76·5	86	12, 14, 15, 16	66	11	85·5	72·8	79·2	91	23	69	24	89·0	68·0	78·5	90	19 days	64	14
May	78·8	71·2	75·0	85	4, 19	67	24	80·7	69·2	75·0	87	17, 25, 30 5, 19	64	31	83·2	72·8	78·0	89	5, 20	67	31	87·0	68·0	77·5	98	8 days	64	25, 31
June	77·0	67·9	72·4	84	25	63	14	79·0	65·0	72·0	84	26	57	14	80·4	66·8	73·6	88	25, 26	60	15	84·0	60·0	72·0	90	23	54	13, 20
July	..	..	..	..	....	..	....	77·6	63·4	70·5	90	9	57	25	80·3	65·7	73·0	89	10	55	25	82·0	60·0	71·0	86	7, 14, 15, 20, 29	52	24
August	..	..	..	..	....	..	....	78·2	63·3	70·8	83	5	58	2, 19	80·9	66·5	73·7	85	7, 12, 13	60	3, 31	83·0	62·0	72·5	87	12, 13	56	2, 3, 17, 20
September ..	..	..	..	..	....	..	....	76·0	63·0	69·5	79	10, 16, 18, 27, 29, 30	53	6	79·5	64·9	72·2	82	1, 10, 26	57	1, 9	82·0	62·0	72·0	86	27, 28, 30	54	9
October	..	..	..	..	....	..	....	79·3	67·2	73·3	88	18	59	13	83·0	69·0	76·0	89	19, 20, 26, 27	65	1, 5, 6, 17, 18	86·5	65·1	75·8	90	21	56	7
November...	..	..	..	..	....	..	....	81·0	69·4	75·2	88	15	63	18, 25	84·4	72·1	78·3	91	17, 18	67	27	88·0	68·0	78·0	92	5, 14, 29	60	24, 25
December ..	..	..	..	..	....	..	....	83·0	69·0	76·0	85	9, 11, 13, 19	65	17, 18, 30	85·8	72·8	79·3	90	10	71	1, 5	90·4	68·4	79·4	94	11	62	18
Year ...	82·3	72·8	77·5	..	....	..	....	81·7	68·3	75·0	..	....	..	....	84·0	70·6	77·3	..	....	..	....	86·7	66·4	76·6	..	....	..	....

* These figures are doubtful.

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1930 AND THE AVERAGES DURING DIFFERENT PERIODS.

Name of Station and Observer.	Province.	Height above Mean Sea Level.	No. of Years. Rain-fall.	No. of Years. Wet Days.	January. Inches.	January. Days.	February. Inches.	February. Days.	March. Inches.	March. Days.	April. Inches.	April. Days.	May. Inches.	May. Days.	June. Inches.	June. Days.	July. Inches.	July. Days.	August. Inches.	August. Days.	September. Inches.	September. Days.	October. Inches.	October. Days.	November. Inches.	November. Days.	December. Inches.	December. Days.	Total for Year. Inches.	Total for Year. Days.	Greatest fall in any 24 hours during 1930. Amount.	Greatest fall in any 24 hours during 1930. Date.
Delanasau	Bua	....	11	11*	16·41	11	16·76	10	11·38	8	0·93	3	8·78	7	0·06	1	0·20	1	0·78	2	3·39	5	0·00	0	1·10	2	2·04	2	61·83	52	3·62	May 14
L. N. Anderson			..	..†	12·53	13	15·35	13	14·42	17	9·33	10	6·19	7	2·38	3	1·64	2	1·60	3	1·78	2	3·73	2	5·88	6	10·65	8	85·48	86	..	.....
Devo	Cakaudrove	....	3	3*	7·55	16	10·40	12	11·00	13	1·55	6	7·02	11	0·45	1	1·65	9	0·90	2	3·15	5	0·60	6	3·05	8	4·60	5	51·92	94	3·50	February 23
R. S. Lyons			..	..†	8·97	15	12·79	11	10·54	16	12·42	12	6·18	12	2·91	4	4·80	8	3·03	6	2·43	4	8·25	5	8·53	9	10·32	10	91·17	112	..	.....
Korovou	Tailevu	....	6	6*	11·29	19	17·15	16	13·88	20	10·03	13	9·15	27	4·69	12	3·64	16	1·24	14	4·89	13	2·42	17	18·66	17	7·70	18	104·74	202	12·00	November 23
N. W. Faddy				†	11·99	14	20·68	18	15·16	18	10·19	12	11·19	17	11·43	14	5·49	13	7·77	12	11·61	14	12·19	15	14·66	14	10·72	16	143·08	177	..	.....
Labasa	Macuata	....	36	20*	5·78	14	7·47	12	10·13	17	1·26	4	2·50	8	0·03	2	0·28	4	1·12	4	3·71	5	0·02	1	2·74	6	1·97	4	37·01	81	4·24	March 3
Manager, C.S.R. Co			..	..†	12·75	17	14·12	16	13·82	18	8·40	12	4·51	10	2·27	5	1·80	5	1·75	6	2·69	6	3·33	7	5·52	10	9·75	14	80·71	126	..	.....
Lakeba	Lau (1929)	....	..	..*	4·81	..	14·78	..	9·46	..	7·21	..	5·68	..	4·82	..	13·70	..	4·32	..	5·63	..	5·70	..	..	..	..	..	....	..	..	.....
Head Master, Prov. School			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	.....
Lautoka	Ba	....	30	22*	3·00	14	3·55	12	4·53	11	3·09	7	2·03	6	0·64	5	3·06	4	0·05	1	5·42	5	0·07	1	4·91	12	0·94	5	31·29	83	1·93	September 16
Manager, C.S.R. Co.			..	..†	8·87	14	12·11	15	11·74	15	5·92	11	4·34	8	2·22	5	2·06	6	3·45	6	2·20	5	3·26	8	4·11	9	7·09	11	67·37	113	..	.....
Lawaqa	Nadroga	....	24	24*	10·51	17	4·81	13	8·29	16	1·34	3	3·14	16	1·28	7	3·38	12	1·08	10	7·06	7	0·92	8	3·76	9	0·97	2	46·54	120	3·07	September 6
District Commissioner			..	..†	8·43	13	8·82	13	9·38	14	5·73	9	5·57	9	3·57	6	3·04	6	5·32	8	3·18	6	3·67	7	4·78	8	6·74	10	68·23	109	..	.....
Levuka	Lomaiviti	....	36	36*	7·35	12	9·01	16	5·78	18	5·28	11	6·19	12	1·82	10	3·55	10	2·38	12	5·55	11	0·34	6	7·37	9	1·42	8	56·04	135	5·50	November 23
Harbour Master			..	..†	9·28	18	10·50	18	11·82	20	10·10	18	6·97	15	4·41	12	3·63	12	5·32	14	5·23	13	5·46	12	7·97	14	8·94	16	89·63	182	..	.....
Makogai	Lomaiviti	....	17	16*	6·22	19	10·01	21	5·35	22	4·69	8	5·58	20	2·03	11	1·28	9	2·74	8	5·26	8	0·35	5	6·08	14	2·45	9	52·04	154	3·20	February 12
Medical Superintendent			..	..†	7·09	16	7·16	14	10·09	19	9·32	14	6·02	13	3·48	9	2·86	8	3·40	10	3·77	11	3·68	10	5·84	10	9·59	13	72·30	147	..	.....
Katafanga	Lau	....	9	..*	4·55	..	6·21	..	4·42	..	1·02	..	7·24	..	0·71	..	2·30	..	0·16	..	4·46	..	1·04	..	1·76	..	0·13	..	34·00	..	..	.....
T. Stockwell			..	..†	7·78	..	6·83	..	8·41	..	7·33	..	6·19	..	3·55	..	2·27	..	4·28	..	3·34	..	3·68	..	4·86	..	4·98	..	63·50	..	..	.....
Mua	Cakaudrove	....	11	11*	6·95	21	12·70	22	11·29	21	3·28	13	14·28	23	1·02	10	2·80	17	1·69	18	3·52	13	2·65	10	3·37	14	8·52	16	72·07	198	3·47	February 22
S. A. Bull			..	..†	11·04	15	12·83	15	10·15	15	12·36	14	10·11	13	5·40	9	4·59	8	3·96	9	5·47	9	8·41	11	10·89	13	11·15	14	106·36	145	..	.....
Munia	Lau	....	35	24*	4·68	17	7·09	16	6·73	20	2·34	9	9·17	13	0·75	5	3·04	11	0·80	6	4·88	8	0·50	5	2·22	10	0·39	7	42·59	127	1·68	September 23
H. H. Steinmetz			..	†	7·78	17	7·68	17	8·81	20	7·89	16	5·90	13	3·96	12	2·76	11	3·85	12	3·48	11	4·76	10	5·67	12	6·71	16	69·25	167	..	.....
Nabouwalu	Bua	....	13	10*	11·52	3	9·02	3	14·94	5	1·35	1	3·24	7	1·41	3	1·57	3	0·34	1	5·81	3	0·78	1	9·55	2	0·55	1	60·08	33	8·00	November 30
G. B. Toganivalu			..	..†	12·25	12	14·25	15	12·55	17	11·06	16	7·81	11	4·65	8	3·79	8	4·16	8	5·34	6	5·81	6	8·68	9	12·22	10	102·57	126	..	.....
Nadarivatu	Colo North	....	30	24*	9·50	13	15·29	14	15·67	15	3·71	3	3·05	6	0·30	2	6·05	4	0·30	3	6·24	6	2·13	2	8·89	6	6·45	5	77·58	79	6·09	February 22
District Commissioner			..	..†	21·43	20	21·96	21	23·08	25	11·26	17	6·31	14	3·26	10	3·38	7	5·26	9	3·96	9	5·01	11	7·83	14	15·28	19	128·02	176	..	.....
Naitonitoni	Serua	....	14	14*	14·46	14	21·67	17	13·76	18	6·33	8	7·09	15	5·28	9	1·92	9	1·58	10	4·94	12	1·24	7	3·66	13	8·73	9	90·66	141	8·70	February 20
District Commissioner			..	..†	11·22	17	11·65	16	12·72	19	13·15	16	11·40	15	9·56	12	5·36	12	8·46	13	8·95	14	8·99	12	11·76	14	13·06	16	126·28	176	..	.....
Nailaga	Ba	....	1	1*	2·05	8	4·34	11	7·54	15	6·29	10	1·34	10	0·39	2	4·00	6	0·07	3	5·06	7	0·02	1	2·83	7	2·27	6	36·20	86	4·20	April 23
Miss P. Tolley			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	.....
Naitauba	Lau	....	..	..*	..	..	5·70	12	10·04	21	..	..	..	..	0·90	10	2·86	8	0·37	3	5·21	11	0·60	4	6·40	10	0·51	8	....	..	..	.....
K. J. Allardyce			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	.....
Narovurovu	Ba	....	9	9*	1·73	7	5·97	9	7·33	12	5·36	4	1·38	4	0·40	1	3·98	4	0·00	0	6·05	4	0·00	0	3·35	5	2·79	6	38·34	56	4·45	April 23
District Commissioner			..	..†	10·24	10	11·88	12	17·05	11	8·50	7	5·71	5	3·07	3	2·43	2	2·45	2	4·31	3	4·23	5	5·57	6	6·89	7	82·33	73	..	.....
Nasinu School	Rewa	....	..	..*	15·36	26	18·04	24	8·10	26	7·33	15	11·83	28	4·66	13	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	.....
T. Mason			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	.....

* Actual rainfall. † Average rainfall.

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1930 AND THE AVERAGES DURING DIFFERENT PERIODS—*continued.*

Name of Station and Observer.	Province.	Height above Mean Sea Level.	No. of Years. Rain-fall.	No. of Years. Wet Days.	January. Inches.	January. Days.	February. Inches.	February. Days.	March. Inches.	March. Days.	April. Inches.	April. Days.	May. Inches.	May. Days.	June. Inches.	June. Days.	July. Inches.	July. Days.	August. Inches.	August. Days.	September. Inches.	September. Days.	October. Inches.	October. Days.	November. Inches.	November. Days.	December. Inches.	December. Days.	Total for Year. Inches.	Total for Year. Days.	Greatest fall in any 24 hours during 1930. Amount.	Greatest fall in any 24 hours during 1930. Date.
Nausori	Tailevu	....	36	21*	14·28	20	16·70	16	9·37	19	5·22	10	12·12	22	5·26	10	3·20	15	1·81	12	6·43	11	2·10	9	8·87	12	4·80	14	90·16	170	5·80	November 23
Manager, C.S.R. Co.			..	..†	12·37	21	12·72	22	13·92	23	11·85	20	9·86	19	6·42	16	4·45	15	6·47	16	6·48	18	7·77	15	8·83	16	12·98	19	114·12	220	..	.....
Navo	Ba	....	29	21*	6·31	13	2·43	6	9·45	17	3·73	3	0·84	3	0·74	2	2·65	4	0·00	0	6·06	4	0·65	1	3·90	5	4·62	6	41·38	64	3·44	April 23
S. I. Bossley			..	..†	9·07	12	11·17	14	10·12	15	5·14	9	3·98	6	2·30	4	2·21	4	3·43	5	2·43	4	2·89	6	3·84	8	7·49	10	64·07	97	..	.....
Navuso Agricultural School.	Rewa	....	4	4*	8·88	10	17·25	15	10·58	15	4·52	10	6·44	14	3·76	7	4·35	11	2·24	10	5·44	8	1·23	6	6·79	11	2·45	4	73·93	121	5·34	February 22
B. C. Meek			..	..†	17·75	14	13·66	17	10·83	17	13·87	16	8·04	12	5·57	7	3·25	9	3·46	10	4·40	7	5·94	8	7·72	13	13·26	14	107·75	144	..	.....
Ngau	Lomaiviti	....	3	3*	8·86	18	8·73	18	4·92	24	3·73	15	3·92	19	3·30	13	3·84	15	1·20	15	7·38	9	0·57	7	1·85	7	..	..	....	..	..	.....
R. W. Fry			..	..†	8·19	19	10·35	21	11·12	26	8·92	19	4·88	17	3·94	14	3·87	14	2·14	16	4·05	11	2·45	11	4·73	11	..	..	....	..	..	.....
Penang	Ra	....	46	25*	8·44	16	6·67	16	6·57	15	4·44	7	2·76	14	0·69	8	4·08	9	0·61	7	4·80	7	0·00	0	7·55	11	2·83	5	49·44	115	6·00	November 23
Manager, C.S.R. Co.			..	..†	11·49	15	14·26	16	12·47	18	9·81	14	5·18	11	2·96	8	2·02	7	3·02	8	2·50	7	3·46	7	5·30	9	8·90	12	81·37	132	..	.....
Rabi	Cakaudrove	....	26	25*	5·26	8	10·19	11	7·09	15	0·68	3	6·81	10	0·35	1	0·71	3	1·95	4	4·02	6	1·06	3	3·91	8	3·90	7	45·93	79	2·27	May 22
S. G. Lyons			..	..†	15·96	19	16·08	19	16·91	20	16·10	19	13·25	18	7·17	13	4·40	12	6·14	12	7·37	14	8·50	13	10·96	14	15·96	17	138·80	190	..	.....
Rarawai	Ba	....	36	25*	2·57	14	6·30	13	8·20	16	5·19	6	1·67	8	0·40	2	3·96	4	0·00	0	5·60	4	0·00	0	3·67	6	2·80	5	40·36	78	4·33	April 23
Manager, C.S.R. Co.			..	..†	11·84	16	16·05	17	13·30	16	7·86	12	4·19	8	2·48	6	1·91	5	3·09	6	2·57	5	3·50	8	4·75	10	9·12	13	80·66	122	..	.....
Richmond	Kadavu	....	17	17*	..	..	..	..	..	..	..	..	..	..	1·38	4	3·26	6	1·07	4	4·29	4	0·37	4	2·48	9	0·29	4	....	..	..	.....
Rev. M. Johnstone					..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	.....
Rotuma	Rotuma	....	26	18*	15·01	26	17·93	22	6·35	14	18·00	19	17·66	19	10·89	20	8·90	16	2·88	15	12·84	15	3·57	18	28·58	26	7·10	16	149·71	226	5·10	Sept. 8 and
Resident Commissioner			..	..†	14·21	22	16·43	22	14·51	22	11·40	20	12·06	20	8·97	18	7·68	19	9·13	21	9·10	20	10·59	19	13·14	21	12·61	21	139·83	245	..	Nov. 10.
Salialevu	Cakaudrove	....	15	15*	13·05	24	11·65	18	13·26	25	11·44	11	10·47	26	4·20	16	4·79	10	3·20	15	11·41	15	8·65	15	15·50	16	5·40	15	113·02	206	7·06	November 21
Major S. M. Bradley		....	..	..†	13·99	13	18·24	15	13·94	14	17·96	15	17·26	16	16·69	13	13·93	12	15·26	13	24·24	15	21·25	12	18·49	12	18·45	14	209·70	164	..	.....
Sigatoka Cotton Station	Nadroga	....	4	4*	9·92	20	3·37	10	10·06	17	1·94	3	1·93	8	1·24	6	2·71	11	0·62	5	6·76	8	0·70	4	4·49	15	0·51	5	44·25	112	3·76	March 29
R. R. Anson			..	..†	7·46	12	8·53	13	8·19	16	7·06	10	6·19	9	2·80	7	3·11	8	3·97	8	3·64	6	3·53	6	4·43	11	6·03	11	64·94	117	..	.....
Suva	Rewa	....	46	46*	17·31	25	19·91	19	14·20	23	6·46	17	11·18	25	5·09	15	3·46	20	1·81	17	7·53	18	0·83	13	8·13	19	7·01	24	102·92	235	6·69	February 20
Harbour Master			..	..†	11·60	23	11·06	22	14·42	25	12·10	23	10·03	21	6·76	18	4·94	18	8·20	19	7·64	19	8·17	19	9·85	19	12·64	22	117·41	248	..	.....
Vaileka	Ra	....	1	1*	8·44	16	6·20	12	6·00	9	4·10	4	2·47	5	0·42	1	3·10	5	0·94	4	4·48	7	0·00	0	7·40	5	0·20	1	43·75	69	6·50	November 23
District Commissioner			..	..†	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	.....
Valeci	Cakaudrove	....	24	23*	11·00	11	10·20	12	9·99	11	1·51	5	12·23	19	0·99	7	2·08	9	3·29	13	6·03	11	2·81	8	9·72	13	4·78	11	74·63	130	5·62	November 22
Wireless Officer			..	..†	11·54	16	10·68	15	12·47	15	9·37	14	8·52	13	5·06	9	4·71	9	6·48	10	6·62	10	7·59	9	8·47	11	11·44	13	102·95	144	..	.....
Vuna	Cakaudrove	....	11	11	9·25	14	11·27	15	7·23	17	3·70	7	6·04	11	2·50	5	2·55	5	1·80	3	5·90	3	5·75	3	7·05	5	9·04	12	72·08	100	5·60	December 20
R. Kaad			..	..	12·41	17	13·97	19	9·87	19	12·12	18	9·07	15	5·99	12	5·91	12	7·23	14	8·09	14	11·17	12	9·56	14	12·20	17	117·59	183	..	.....
Vunidawa	Colo East	....	18	18*	10·19	17	13·00	17	11·49	16	11·99	11	3·75	21	5·42	11	1·77	15	2·43	9	2·73	8	6·52	11	14·94	20	9·34	14	93·57	170	5·00	April 23
District Commissioner			..	..†	15·23	19	16·52	18	15·78	19	16·36	17	8·61	15	8·84	11	4·55	10	6·93	11	8·36	14	9·64	14	12·69	15	16·28	16	139·79	179	..	.....
Vunilagi	Cakaudrove	....	4	4*	5·20	10	3·10	17	6·90	22	2·70	6	4·60	8	0·10	3	2·39	4	0·28	5	3·55	6	0·71	3	1·75	5	0·46	4	31·74	93	..	.....
H. Stuart Forbes			..	..†	6·06	15	6·93	16	9·76	24	5·09	10	8·09	13	3·74	12	2·38	7	2·73	6	1·95	7	6·58	10	7·98	15	6·32	10	67·61	145	..	.....
Vunisea	Kadavu	....	..	..*	5·29	8	4·63	19	10·70	17	3·42	13	2·68	7	0·04	1	7·21	..	1·20	7	5·78	8	..	..	5·08	13	1·43	11	....	..	..	.....
Mrs. U. G. Arthur			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	.....
Waidau	Lomaiviti	....	6	4*	7·15	13	15·48	13	8·51	19	9·16	11	4·80	14	3·51	7	3·90	8	1·90	9	6·44	10	1·30	6	9·90	11	2·41	11	74·46	132	6·50	November 23
Manager, Pineapple Fact.			..	..†	9·36	15	13·09	13	11·74	16	9·27	11	10·83	12	4·58	6	2·65	4	3·86	6	8·33	9	5·98	8	10·05	12	10·33	8	100·07	120	..	.....
Wainunu	Bua	....	51	21*	4·74	16	10·40	16	11·18	18	4·17	3	14·94	18	4·50	8	2·01	9	2·60	9	5·95	8	1·68	6	14·41	14	3·76	11	80·34	136	4·85	November 22
Captain D. Robbie			..	..†	18·37	19	17·93	19	17·87	21	15·06	18	11·45	17	6·36	12	5·58	11	6·82	13	8·96	15	10·65	13	12·23	15	16·21	18	147·49	191	..	.....
Waiyevo	Cakaudrove	....	24	24*	5·71	4	5·55	3	5·35	3	2·30	4	8·02	13	0·31	5	1·58	3	0·26	3	4·51	9	1·94	4	3·72	6	5·68	5	44·93	62	4·35	February 23
Wireless Officer			..	..†	11·01	14	12·63	14	11·46	15	9·37	13	8·19	11	5·03	10	2·43	7	3·75	7	4·84	9	7·66	10	9·27	11	10·62	13	96·26	134	..	.....

* Actual rainfall. † Average rainfall.

KATA THERMOMETER READINGS.

The instrument is read in the Thermometer Screen, which measures 6 ft. by 6 ft. by 7 ft., between 9 h. and 9 h. 30 m. daily in accordance with instructions issued by the makers. The Kata Thermometer was brought into use in February, 1930, at the request of the Medical Officer of Health.

	February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Dry Kata.	Wet Kata.	Dry Kata.	Wet Kata.	Dry Kata.	Wet Kata.	Dry Kata.	Wet Kata.	Dry Kata.	Wet Kata.	Dry Kata.	Wet Kata.	Dry Kata.	Wet Kata.	Dry Kata.	Wet Kata.	Dry Kata.	Wet Kata.	Dry Kata.	Wet Kata.	Dry Kata.	Wet Kata.
1	91·7	47·8	91·3	44·7	133·1	38·9	61·8	35·2	..	..	..	..	..	..	51·3	26·7	..	..	37·1	31·5	100·8	32·5
2	71·7	50·7	90·6	45·3	98·2	39·1	90·6	44·5	..	..	55·3	30·3	..	..	49·7	36·1	67·2	28·4	77·8	29·0	77·1	32·5
3	101·9	42·3	69·5	46·0	92·7	35·9	91·5	41·9	..	..	58·8	25·3	..	..	47·1	26·7	58·0	30·2	108·9	41·3	99·7	29·2
4	109·6	40·3	93·4	56·8	82·0	37·4	..	..	74·5	37·0	42·6	25·7	..	..	75·6	35·2	..	..	..	..	104·9	31·0
5	55·4	42·0	60·3	42·3	126·0	41·5	89·7	57·9	70·4	37·7	27·7	24·1	..	..	44·4	30·8	..	..	72·0	30·5	99·8	43·9
6	118·3	49·1	120·3	49·6	133·7	44·3	114·6	55·9	65·3	36·7	..	..	..	..	16·1	19·8	..	..	88·3	32·7	..	..
7	108·3	51·4	40·5	37·3	..	..	86·4	40·0	45·5	26·4	57·9	35·2	..	..	..	..	..	..	91·7	31·6	..	..
8	84·8	35·0	155·7	49·3	..	..	76·7	39·0	..	..	50·9	32·1	..	..	58·0	31·5	42·8	22·6	..	..	106·8	38·1
9	149·9	42·7	..	..	..	..	..	..	..	..	59·5	37·8	43·3	26·0	52·8	24·9	..	..	..	..	..	..
10	85·1	51·6	141·0	45·0	..	..	..	..	..	..	106·3	48·7	..	..	..	..	57·8	30·2	80·1	28·8	107·5	35·6
11	78·4	45·9	112·7	51·7	..	..	..	..	59·5	39·9	43·1	23·3	50·9	31·2	..	..	..	..	70·7	33·7	97·7	31·2
12	137·0	56·1	93·7	41·7	..	..	..	..	..	..	67·6	23·0	51·6	31·7	57·5	31·8	72·2	34·4	..	..	..	..
13	109·3	57·0	109·0	47·0	..	..	72·4	37·3	..	..	..	..	109·3	43·1	74·1	30·8	..	..	87·1	27·4	119·1	37·0
14	109·9	48·5	89·9	38·3	..	..	44·9	34·3	..	..	56·7	36·0	54·3	28·1	..	..	70·8	21·6	91·1	35·7	..	..
15	158·7	40·1	133·1	46·1	..	..	67·8	42·0	..	..	49·4	29·5	..	..	60·4	21·3	..	..	129·7	47·1	101·4	34·5
16	139·9	44·7	134·9	51·0	..	..	83·9	46·3	45·6	30·7	58·6	27·2	51·6	25·9	58·6	30·2	..	..	..	..	102·9	36·5
17	148·9	54·9	138·3	51·2	..	..	..	..	43·0	32·9	..	..	..	..	48·6	28·2	53·1	34·3	116·3	35·7	107·5	32·8
18	135·7	57·7	92·6	52·1	..	..	79·7	43·0	37·7	27·0	58·0	28·0	36·7	25·0	50·2	31·6	..	..	81·1	32·8	..	..
19	94·8	40·7	79·5	45·2	..	..	110·7	40·7	50·7	27·7	..	..	..	..	40·6	27·2	..	..	110·9	35·2	111·1	28·3
20	103·8	39·3	93·7	45·7	..	..	115·7	39·5	40·9	23·8	..	..	..	..	41·2	25·2	74·5	28·4	77·5	35·7	89·7	30·7
21	54·0	34·2	124·1	49·9	..	..	46·7	30·3	61·7	30·8	49·9	26·4	..	..	39·8	18·6	64·3	27·6	96·5	39·5	..	..
22	97·6	40·6	92·1	42·1	..	..	..	..	..	..	71·1	29·1	..	..	..	..	68·0	31·3	80·5	39·8	97·3	34·7
23	84·3	36·2	..	..	..	..	62·9	34·2	..	..	36·5	21·3	..	..	27·6	22·2	88·6	34·7	..	..	88·4	29·6
24	88·6	48·3	68·3	45·9	72·5	41·1	..	..	..	..	..	..	38·6	26·2	37·6	24·8	70·7	35·8	..	..	94·9	35·1
25	86·5	51·7	117·1	43·7	90·1	49·3	..	..	66·8	32·2	31·0	20·9	..	..	..	..	84·2	35·7	74·7	29·3	..	..
26	73·5	33·0	99·1	37·5	113·7	46·0	52·3	30·5	76·5	37·8	..	..	43·8	24·4	..	..	..	..	97·5	30·8	..	..
27	30·7	27·0	90·9	46·7	114·9	49·5	52·3	32·0	43·8	29·7	..	..	21·8	24·9	48·2	30·4	87·4	34·2	90·5	32·7	..	..
28	..	..	88·3	51·7	90·7	44·1	..	..	51·8	20·9	80·0	38·7	..	..	..	..	98·6	33·9	94·2	27·0	..	..
29	..	..	90·8	48·5	60·1	44·3	54·3	30·6	..	..	28·9	27·9	18·5	21·0	53·1	31·9	73·7	26·5	82·7	28·4	..	..
30	..	..	94·3	39·7	84·3	35·6	77·4	33·1	..	..	..	..	40·6	34·5	..	..	32·1	23·9	..	..	101·5	34·2
31	..	..	102·3	36·2	..	..	64·7	33·3	..	..	..	..	37·7	23·0	..	..	..	..	..	..	..	..
Means	100·3	44·8	100·3	45·8	99·4	42·1	76·0	39·3	55·6	31·4	54·5	29·5	46·1	28·1	49·2	27·9	68·5	30·2	88·0	33·5	100·5	33·7

Cooling Time in Seconds and Tenths.