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Fiji.

METEOROLOGICAL OBSERVATIONS

TAKEN AT SUVA

DURING

1913.

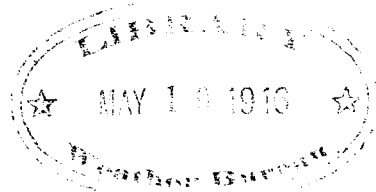
QC  
993  
F4  
M48  
1913

(LAT. 18° 8' S., LONG. 178° 26' E., BEING 11h. 53m. 44s. EAST OF GREENWICH  
MEAN TIME.)

By

CHARLES H. KNOWLES, B.Sc. (LOND.),  
SUPERINTENDENT OF AGRICULTURE.

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National Oceanic &  
Atmospheric Administration  
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# **National Oceanic and Atmospheric Administration**

## **Environmental Data Rescue Program**

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

# METEOROLOGICAL OBSERVATIONS.

(Taken at the office of the Superintendent of Agriculture, Suva. Latitude 18° 8' South. Longitude 178° 26' East. Height of Cistern of Barometer above Mean Sea-level, 14 ft. Height of Rain-gauge rim above surface of Ground, 12 inches. Height of Bulbs of Thermometers above Ground, 4½ ft. Height of Wind-gauge above Ground, 24 ft.)

## MONTHLY MEANS. YEARS 1884—1913.

SUVA—9 A.M.

Month.	Barometer reduced to 32° F. and Mean Sea-Level.	Shade Temperature.		Rainfall.	Humidity. ° C. (Saturation = 100 ° F.)
		Max.	Min.		
	Inches.	° F.	° F.	Inches.	
January ... ..	29·855	85·8	74·0	11·060	75·6
February ... ..	29·861	86·5	74·5	9·903	77·5
March ... ..	29·880	86·0	74·1	14·705	78·9
April ... ..	29·937	84·5	73·1	10·845	77·9
May ... ..	30·020	82·0	71·2	9·551	78·8
June ... ..	30·046	80·4	69·4	5·508	78·6
July ... ..	30·052	79·3	68·1	4·501	78·2
August ... ..	30·045	79·5	68·3	7·265	77·9
September... ..	30·052	80·3	68·8	6·475	75·4
October ... ..	30·026	81·4	70·5	7·732	74·4
November... ..	29·955	82·8	71·8	9·724	74·2
December ... ..	29·883	84·7	73·1	11·796	74·7
Means ... ..	29·968	82·8	71·4	.....	76·9
Total ... ..	.....	.....	.....	109·065	.....

# MONTHLY MEANS AND TOTALS, 1913.

Suva 9 a.m. (11h. 53m. 44s. east of Greenwich.)

Month.	Barometer (reduced to 32° F. and Mean Sea-Level).			Wind.		Shade Temperature.						Rainfall.			Humidity (per cent. of Saturation).			No. of Thunderstorms.	General direction of Wind.	Gales.	
	Mean.	Highest.	Lowest.	Average Strength Beaufort's Scale (0-12).	Highest.	No. of Calms.	Maximum.			Minimum.			Total for Month.	Greatest fall in one day.	No. of days of Rain.	Mean.	Highest.				Lowest.
							Mean.	Highest.	Lowest.	Mean.	Highest.	Lowest.									
	Inches.	Inches.	Inches.		(15th)		° F.	° F.	° F.	° F.	° F.	° F.	Inches.	Inches.							
January	29-859	29-947 (31st)	29-661 (25th)	1-2	3	9	84-3	88-5 (9th)	80-4 (14th)	74-5	78-0 (31st)	67-4 (1st)	10-728	2-055 (18th)	22	80-2	95-0 (19th)	66-0 (3rd)	1	E. & N.E.	...
February	29-855	30-011 (15th)	29-679 (19th)	1-7	5	8	83-3	87-1 (24th)	78-9 (22nd)	74-6	76-9 (4th)	69-9 (22nd)	5-992	0-650 (21st)	22	84-4	96-0 (27th)	74-0 (20th)	3	E.	...
March	29-882	30-029 (3rd)	29-020 (18th)	2-2	12	7	82-6	85-7 (2nd)	79-1 (1st)	74-3	76-8 (13th)	69-8 (7th)	25-206	9-549 (30th)	30	89-3	99-0 (18th)	80-0 (4th)	4	N.E.	1
April	29-935	30-051 (21st)	29-765 (16th)	1-7	5	10	84-0	89-1 (3rd)	77-9 (11th)	73-6	76-9 (21st)	70-0 (30th)	8-640	3-629 (9th)	15	84-4	97-0 (12th)	74-0 (6th)	1	N.E.	...
May	30-012	30-130 (31st)	29-900 (1st)	1-5	5	12	79-7	85-0 (20th)	74-0 (27th)	70-4	74-2 (30th)	66-9 (21st)	5-392	1-689 (26th)	19	84-3	96-0 (22nd)	61-0 (29th)	...	E.	...
June	30-037	30-179 (29th)	29-769 (25th)	1-9	5	6	79-5	84-9 (11th)	73-8 (27th)	68-9	73-0 (5th and 18th)	65-0 (23rd)	2-406	0-700 (17th)	15	83-6	94-0 (25th and 27th)	69-0 (1st)	...	N.E.	...
July	30-059	30-194 (1st)	29-888 (6th)	1-9	4	9	75-8	79-0 (22nd and 23rd)	71-2 (2nd)	68-6	71-0 (21st, 20th, 29th)	64-9 (3rd)	18-490	5-950 (7th)	28	87-3	98-0 (18th and 26th)	71-0 (14th)	...	E.	...
August	30-031	30-172 (17th)	29-836 (14th)	1-2	4	9	78-7	84-9 (23rd)	72-1 (31st)	67-5	72-0 (28th)	62-1 (17th)	3-806	1-891 (29th)	13	84-9	96-0 (29th)	65-0 (4th)	...	N.E.	...
September	30-051	30-118 (15th)	29-925 (12th)	1-9	4	7	77-7	84-0 (25th)	72-1 (1st)	68-2	72-9 (14th)	63-9 (24th and 25th)	8-399	1-861 (17th)	22	81-3	98-0 (18th)	65-0 (2nd, 3rd, 29th)	...	E. & N.E.	...
October	30-037	30-187 (24th)	29-896 (30th)	2-0	4	6	78-5	84-9 (2nd)	72-6 (20th)	69-8	74-0 (18th)	65-0 (2nd)	11-122	2-151 (31st)	25	79-2	94-0 (19th, 20th, and 30th)	66-0 (4th, 5th, 9th)	1	E. & N.E.	...
November	29-947	30-027 (7th)	29-873 (20th)	1-5	3	5	82-0	87-1 (17th)	77-0 (11th and 13th)	71-9	74-0 (10th)	66-3 (9th)	6-039	1-149 (10th)	20	80-7	99-0 (11th)	67-0 (8th and 24th)	...	N.E.	...
December	29-884	29-969 (17th)	29-708 (27th)	2-1	5	3	84-6	87-9 (10th and 21th)	79-9 (22nd)	72-7	76-1 (19th)	69-0 (6th and 8th)	16-319	4-529 (21st)	23	79-9	94-0 (1st)	66-0 (3rd and 6th)	...	E.	...
Totals or Means	29-965			1-7			80-9			71-3			122-579		254	83-3			10		1

### EXTREMES FOR THE YEAR.

Highest Barometer—30-194" on July 1st.

Lowest Barometer—29-020" on March 18th.

Highest Temperature—89-1° F. on April 3rd.

Lowest Temperature—62-1° F. on August 17th.

Greatest rainfall in one day—9-549" on March 7th.

Hurricane—Lower Rewa, Suva, and Navua, on March 18th.

Date.	Barometer reduced to M.S.L. and 32° F.	Wind.		Temperature.				Rainfall.	Relative humidity : Per cent. of saturation.	Date.	Barometer reduced to M.S.L. and 32° F.	Wind.		Temperature.				Rainfall.	Relative humidity : Per cent. of saturation.
		Strength.	Dir.	Air.	Max.	Min.	Earth.					Inches.	Strength.	Dir.	Air.	Max.	Min.		
	Inches.			° F.	° F.	° F.	° F.	Inches.		Inches.			° F.	° F.	° F.	° F.	Inches.		
<b>JANUARY.</b>										<b>APRIL.</b>									
1	29-920	2	N.E.	80-2	83-0	67-4	78-2	0-112	67	1	29-925	2	S.E.	78-0	83-8	72-2	80-1	....	75
2	29-929	2	N.E.	79-9	84-6	71-9	78-9	....	76	2	29-881	1	N.	78-0	86-0	70-8	80-0	....	86
3	29-928	2	N.E.	81-6	84-0	72-8	77-8	0-369	60	3	29-946	1	N.	77-9	89-1	70-9	79-9	....	80
4	29-880	1	E.	81-0	83-0	73-0	81-0	....	76	4	29-979	1	E.	80-0	88-9	73-9	80-9	0-039	88
5	29-878	1	E.	80-0	83-0	76-9	81-1	0-019	81	5	29-926	2	E.	80-8	88-9	75-7	81-0	....	77
6	29-882	1	E.	81-0	84-0	75-2	81-9	0-018	87	6	29-908	3	E.	80-2	87-0	73-7	81-0	....	74
7	29-886	1	N.E.	81-1	85-0	73-1	82-8	0-630	84	7	29-899	3	E.	78-2	86-0	71-1	80-0	....	87
8	29-882	1	N.E.	82-2	87-1	76-9	83-9	....	80	8	29-934	1	N.E.	78-0	84-5	72-5	80-0	....	85*
9	29-882	1	N.W.	82-9	88-5	73-9	81-9	....	76	9	29-936	2	N.	78-9	87-0	73-0	79-9	3-629	76
10	29-906	1	N.E.	81-1	87-1	74-1	85-3	....	85*	10	29-944	1	N.	72-1	78-8	71-0	78-9	1-291	94
11	29-896	1	N.E.	83-2	86-9	76-0	87-0	....	73*	11	29-952	1	N.	75-8	77-9	71-0	78-0	0-823	96
12	29-880	1	N.E.	83-9	87-0	76-9	87-9	0-019	77*	12	29-910	1	N.	77-3	81-2	74-1	78-0	1-690	97
13	29-869	1	N.E.	80-0	85-0	74-9	88-0	0-239	81*	13	29-890	2	W.	77-0	86-9	72-1	78-0	0-010	94
14	29-894	1	N.E.	79-0	80-4	76-9	86-1	0-920	94	14	29-919	1	N.	77-8	84-9	73-0	79-0	....	86
15	29-934	3	N.	80-2	82-9	72-9	83-1	0-321	75	15	29-895	3	S.	80-0	83-0	76-1	79-0	0-099	81
16	29-944	2	E.	81-1	83-9	75-0	83-0	....	75	16	29-765	5	S.W.	80-0	81-1	76-3	79-0	0-045	86
17	29-914	2	E.	81-0	84-6	74-0	84-1	....	76	17	29-827	5	S.W.	79-7	84-9	75-1	78-4	0-010	85
18	29-893	1	E.	83-0	84-0	76-1	85-8	2-055	72	18	29-882	2	N.	77-8	85-0	73-9	78-3	0-130	81
19	29-900	1	N.	75-9	82-9	74-9	81-0	1-575	95	19	29-932	2	S.W.	78-0	83-1	75-0	79-0	0-500	90
20	29-872	1	N.	79-0	84-0	72-0	82-7	0-031	90	20	29-990	2	E.	77-9	82-9	75-1	79-0	....	96
21	29-842	1	N.	79-9	81-9	73-6	83-8	0-791	85*	21	30-051	3	E.	80-0	84-1	76-9	79-1	....	79
22	29-806	1	N.	81-0	86-3	71-9	83-0	0-330	80	22	30-040	4	N.E.	79-0	82-0	76-0	79-0	0-060	80
23	29-721	1	N.	79-9	81-9	74-2	82-9	1-119	85	23	30-008	3	N.E.	78-9	82-1	74-9	79-0	....	80
24	29-698	1	N.	78-9	83-4	75-8	81-9	0-215	86	24	30-004	3	N.E.	78-0	82-1	71-9	78-1	0-050	80
25	29-661	2	N.W.	82-0	86-0	76-0	82-0	0-210	80	25	29-993	1	N.	78-0	84-9	72-9	78-0	0-033	80
26	29-691	2	S.W.	81-0	82-2	75-1	83-1	0-570	80	26	29-986	2	N.	77-0	79-0	75-9	78-9	0-231	90
27	29-719	2	S.W.	80-0	82-8	75-3	82-9	....	84	27	29-977	1	N.	79-0	83-9	75-2	78-9	....	84
28	29-784	2	S.W.	81-0	83-7	75-1	83-0	0-050	80	28	29-965	3	E.	77-7	83-2	73-0	78-5	....	81
29	29-868	1	N.	78-8	84-8	72-9	83-0	0-013	85	29	29-912	4	N.E.	79-9	84-9	74-1	78-9	....	80
30	29-917	3	E.	82-0	85-8	77-0	81-0	0-081	76	30	29-867	2	N.E.	75-8	83-1	70-0	78-0	....	85
31	29-947	3	N.E.	81-9	82-8	78-0	81-0	1-041	80										
Tl.	....	..	..	..	..	..	..	10-728	....	Tl.	....	..	..	..	..	..	..	8-640	....
Av.	29-859	1-2	..	80-8	84-3	74-5	83-3	....	80-2	Av.	29-935	1-7	..	78-1	84-0	73-6	79-1	....	84-4
<b>FEBRUARY.</b>										<b>MAY.</b>									
1	29-916	3	E.	79-0	80-9	75-9	83-1	0-240	85	1	29-900	2	E.	75-0	82-0	70-9	78-0	0-130	90
2	29-858	3	E.	81-0	83-0	76-6	81-9	0-384	85	2	29-940	2	E.	74-9	79-1	70-8	77-6	0-080	90
3	29-790	3	N.E.	81-1	83-9	75-5	82-1	0-451	90	3	29-922	1	N.	75-8	79-1	73-2	78-0	0-860	90
4	29-764	3	E.	82-2	83-9	76-9	82-0	0-522	83	4	29-933	1	N.	73-0	75-5	71-0	76-9	0-092	94
5	29-790	3	E.	80-1	83-0	75-2	82-0	0-354	90	5	29-936	2	S.W.	74-9	81-0	70-1	76-9	....	89
6	29-802	4	E.	81-0	81-0	76-5	82-0	0-205	81	6	29-909	1	N.	73-0	80-0	69-1	73-5	....	90
7	29-750	3	E.	79-0	82-1	75-3	81-0	0-115	82	7	29-999	1	N.	71-9	80-6	67-0	76-0	....	89
8	29-729	4	S.E.	76-0	80-4	74-9	80-1	0-192	89	8	29-950	1	N.	74-0	82-0	68-0	75-9	....	79
9	29-679	5	S.W.	76-6	79-9	73-9	79-7	0-278	95	9	29-914	1	N.E.	74-1	84-9	68-2	75-4	....	89
10	29-755	2	S.	79-6	82-0	75-0	79-9	0-090	85	10	29-966	1	N.	76-1	84-0	71-0	78-0	0-241	93
11	29-857	1	N.	77-0	80-1	75-0	80-7	0-050	90	11	30-047	5	S.W.	77-0	80-7	73-3	77-0	0-088	85
12	29-889	1	N.	78-0	82-9	73-9	80-1	....	85	12	30-052	4	E.	75-0	77-5	73-0	76-0	0-010	79
13	29-920	3	N.	81-0	86-5	74-1	81-0	0-470	80*	13	30-043	3	E.	74-0	77-9	70-9	75-0	....	70
14	29-959	2	N.E.	81-0	86-1	73-8	81-0	....	81*	14	30-048	3	N.E.	74-9	79-4	69-9	75-0	....	75
15	30-011	1	N.	79-5	83-9	74-9	81-3	0-620	87	15	30-043	2	E.	76-9	84-1	70-0	75-1	....	84
16	29-996	1	N.	76-9	83-8	73-9	80-1	0-160	84	16	30-019	1	N.	76-2	83-2	72-2	76-0	....	90
17	29-946	1	N.	79-2	85-0	73-1	80-1	0-010	84	17	29-987	2	S.W.	78-0	81-0	74-1	76-9	....	90
18	29-923	1	E.	79-9	85-0	72-7	81-0	0-069	79	18	29-965	1	N.	77-0	84-9	72-1	76-8	....	85
19	29-910	2	E.	80-9	84-9	75-0	81-9	....	76	19	29-982	1	N.	75-0	85-0	70-0	76-2	0-010	89
20	29-872	1	N.E.	81-0	84-2	73-0	81-8	0-012	74	20	29-923	1	E.	77-2	81-0	74-2	77-0	1-689	92
21	29-844	1	N.E.	80-0	85-9	72-9	81-8	....	76	21	30-023	1	E.	74-0	76-9	72-0	76-7	0-850	96
22	29-842	1	N.E.	80-0	86-2	75-0	81-1	....	79	22	30-087	4	S.E.	72-2	76-9	71-2	76-0	0-050	83
23	29-863	1	N.E.	78-7	85-0	76-1	81-0	....	86	23	30-067	2	E.	73-9	79-0	71-1	75-0	0-030	66
24	29-910	1	N.E.	82-0	87-1	74-3	81-1	0-010	78	24	30-085	2	E.	75-9	77-0	71-9	74-9	0-120	67
25	29-898	1	N.	78-9	79-8	75-1	81-9	0-650	85	25	30-057	2	N.E.	71-9	78-7	69-3	75-2	0-551	92
26	29-814	1	N.	76-9	78-9	69-9	79-8	0-481	89	26	30-085	2	E.	75-9	77-0	71-9	74-9	0-030	93
27	29-796	1	N.	76-0	83-4	74-9	79-3	0-550	96*	27	30-051	1	N.	70-0	74-0	68-9	74-0	0-030	93
28	29-859	3	N.	79-0	84-9	74-0	79-9	0-079	90	28	30-036	3	S.E.	72-0	76-9	68-1	73-1	0-010	78
Tl.	....	..	..	..	..	..	..	5-992	....	29	30-091	3	S.E.	72-0	75-0	67-0	72-1	0-010	61
Av.	29-855	1-7	..	79-3	83-3	74-6	81-0	....	84-4	30	30-103	3	E.	71-0	76-1	66-9	71-9	0-049	73
										31	30-130	2	N.E.	69-0	77-9	67-0	72-1	....	89
										Tl.	....	..	..	..	..	..	..	5-392	....
										Av.	30-012	1-5	..	74-3	79-7	70-4	75-7	....	84-3
<b>MARCH.</b>										<b>JUNE.</b>									
1	29-906	1	N.	77-9	79-1	72-0	79-8	0-019	90	1	30-137	3	N.E.	75-0	79-5	68-1	73-7	0-349	69
2	30-013	1	N.E.	79-2	85-7	75-0	79-5	0-080	92	2	30-135	1	E.	73-4	76-9	69-3	73-0	0-059	87
3	30-029	3	N.E.	80-9	82-9	75-1	80-1	0-069	85	3	30-131	1	N.E.	73-9	79-2	69-9	73-1	....	84
4	30-025	1	N.E.	81-0	83-5	76-8	80-1	0-880	80	4	30-106	3	N.E.	75-9	79-0	71-5	73-1	0-040	76
5	30-009	2	E.																

Date.	Barometer reduced to M.S.L. and 32° F.	Wind.		Temperature.				Rainfall.	Relative humidity. Per cent. of saturation.	Date.	Barometer reduced to M.S.L. and 32° F.	Wind.		Temperature.				Rainfall.	Relative humidity. Per cent. of saturation.	
		Strength.	Dir.	Air.	Max.	Min.	Earth.					Inches.	Inches.	Strength.	Dir.	Air.	Max.			Min.
	Inches.			° F.	° F.	° F.	° F.	Inches.			Inches.			° F.	° F.	° F.	° F.	Inches.		
<b>JULY.</b>										<b>OCTOBER.</b>										
1	30-194	3	N.E.	71-0	75-0	67-1	71-0	0-049	79	1	29-996	1	N.E.	75-0	81-6	67-2	75-0	....	71	
2	30-168	12	E.	70-0	75-0	68-0	70-9	0-035	74	2	29-974	2	N.	75-8	84-9	65-0	76-1	0-034	71	
3	30-096	3	N.E.	72-8	76-1	64-9	70-2	0-060	74	3	29-993	3	E.	75-0	81-8	68-8	77-0	....	79	
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