

Country Name: Fiji
TABLE 1: Monthly Rainfall

Station (include data period)			JUNE 2017				
	April 2017 Total	May 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<i>Western Division</i>							
Penang Mill (1910-2017)	32.4	162.5	12.5	40	95	58	10/108
Lautoka Mill (1900-2017)	15.2	65.8	24.0	30	76	47	38/118
Nadi Airport (1942-2017)	48.7	55.2	2.4	26	73	52	6/76
Viwa (1978 -2017)	63.2	137.0	20.0	19	95	66	13/36
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2017)	317.9	285.2	109.8	101	209	140	27/76
Nausori Airport (1957-2017)	175.4	248.9	80.0	92	203	135	15/61
Tokotoko (Navua) (1945-2017)	187.5	262.8	161.3	134	248	182	34/73
<i>Eastern Division</i>							
Lakeba (1950-2017)	21.8	183.8	22.0	51	133	89	11/68
Vunisea (Kadavu) (1931-2017)	273.9	246.4	45.7	74	141	109	17/81
Ono-i-Lau (1943-2017)	44.4	142.3	39.0	59	108	78	16/70
<i>Northern Division</i>							
Labasa Airport (1946-2017)	54.0	148.1	23.2	31	84	49	17/61
Savusavu Airfield (1956-2017)	83.6	114.2	91.1	55	136	108	26/59
Rotuma (1912-2017)	243.9	216.2	319.6	198	293	245	79/104

Period: *below normal/normal/above normal

M - Missing

**TABLE 2: Three-monthly Rainfall
April to June 2017**

Predictors and Period used: NINO3.4 SST Anomalies: December 2016 to February 2017

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification* (Consistent, Near-consistent or Inconsistent)
Western Division							
Penang Mill (1910-2017)	207.4	352	532	423	10/107	43:38:19 (3.7)	Consistent
Lautoka Mill (1900-2017)	105.0	264	390	324	7/118	46:30:24 (2.7)	Consistent
Nadi Airport (1942-2017)	106.3	257	376	314	5/75	48:26:26 (2.7)	Consistent
Viwa (1978 -2017)	220.2	274	450	391	8/35	39:38:33 (-1.0)	Consistent
Central Division							
Laucala Bay (Suva) (1942-2017)	712.9	676	821	732	33/76	46:29:25 (2.5)	Near-consistent
Nausori Airport (1957-2017)	504.3	646	778	706	10/61	34:41:25 (-0.1)	Near-consistent
Tokotoko (Navua) (1945-2017)	611.6	755	985	869	12/73	45:37:18 (5.2)	Consistent
Eastern Division							
Lakeba, Lau (1950-2017)	227.6	342	500	424	12/67	36:40:24 (0.1)	Near-consistent
Vunisea (Kadavu) (1931-2017)	566.0	457	605	540	49/81	37:36:27 (-0.3)	Near-consistent
Ono-i-lau (1943-2017)	225.7	317	466	406	13/67	43:30:27 (0.3)	Consistent
Northern Division							
Labasa Airport (1956-2017)	225.3	327	448	407	9/61	30:34:36 (0.9)	Inconsistent
Savusavu Airfield (1956-2017)	288.9	394	629	488	7/59	23:37:40 (21.2)	Inconsistent
Rotuma (1912-2017)	779.7	744	919	836	44/104	32:30:38 (-1.7)	Near-consistent

Period:* **below normal**/normal/**above normal**

* Forecast is consistent when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is near-consistent when observed and predicted (tercile with the highest probability) differ by only one category (i.e. terciles 1 and 2 or terciles 2 and 3).

Forecast is inconsistent when observed and predicted (tercile with the highest probability) differ by two categories (i.e. terciles 1 and 3).

M - Missing

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
August to October 2017 – Tercile Method**

Predictors and Period used: NINO3.4 SST Anomalies: May to June 2017

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS (%)	Hit-rate (%)
<i>Western Division</i>							
Penang Mill (1910-2017)	43	178	41	275	16	6.1	42.4
Lautoka Mill (1900-2017)	48	165	28	259	24	3.8	40.3
Nadi Airport (1942-2017)	50	173	30	291	20	6.2	40.3
Viwa (1978 -2017)	39	134	28	267	33	-2.0	32.4
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2017)	47	410	37	616	16	7.2	47.8
Nausori Airport (1957-2017)	31	427	46	600	23	0.0	43.3
Tokotoko (Navua) (1945-2017)	43	560	43	891	14	8.5	30.3
<i>Eastern Division</i>							
Lakeba (1950-2017)	44	252	30	344	26	1.3	43.3
Vunisea (Kadavu) (1931-2017)	47	294	34	437	19	4.8	40.0
Ono-i-Lau (1943-2017)	45	234	29	348	26	1.5	39.7
<i>Northern Division</i>							
Labasa Airport (1956-2017)	45	167	31	243	24	1.4	25.9
Savusavu Airfield (1956-2017)	43	301	37	414	20	3.7	42.4
<i>Northern Division</i>							
Rotuma (1912 -2017)	32	652	23	840	46	0.4	36.4

Seasonal Climate Outlook:

August to October 2017 - Median Table:

Predictors and Period used: NINO3.4 SST Anomalies: May to June 2017

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS (%)	Hit-rate (%)
<i>Western Division</i>					
Penang Mill (1910-2017)	60	224	40	1.2	57.6
Lautoka Mill (1900-2017)	65	225	35	4.2	55.2
Nadi Airport (1942-2017)	64	225	36	3.2	58.2
Viwa (1978 -2017)	55	223	45	-2.4	41.2
<i>Central Division</i>					
Laucala Bay (Suva) (1942-2017)	61	510	39	2.0	56.7
Nausori Airport (1957-2017)	62	479	38	2.4	58.3
Tokotoko (Navua) (1945-2017)	69	638	31	7.6	62.1
<i>Eastern Division</i>					
Lakeba (1950-2017)	51	309	49	-1.5	31.3
Vunisea (Kadavu) (1931-2017)	57	363	43	-0.2	52.3
Ono-i-Lau (1943-2017)	56	303	44	-0.6	54.0
<i>Northern Division</i>					
Labasa Airport (1956-2017)	65	203	35	4.3	63.8
Savusavu Airfield (1956-2017)	58	353	42	0.6	55.9
<i>Rotuma</i>					
Rotuma (1912 -2017)	47	719	53	-1.2	53.0

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
August to October 2017**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Lakeba	42	192	15	298	43
Nadi	45	152	12	266	43
Nabouwalu	33	234	9	378	58
Udu Point	30	241	12	364	58
Vunisea	45	302	12	459	42
Suva	45	434	12	590	43
Rotuma	21	650	12	894	67

Summary Statements

Rainfall for June 2017:

Rainfall during June 2017 was *below normal* at most of the stations. The exceptions to this were Viwa, Laucala Bay, Tokotoko and Savusavu Airfield where *normal* rainfall was registered, while Rotuma recorded *above normal* rainfall.

Accumulated rainfall for April to June 2017 & outlook verification:

Accumulated rainfall over the April to June 2017 was *below normal* at 10 out of the 13 stations used in this report. The exceptions to this were Laucala Bay, Vunisea and Rotuma, where *near normal* rainfall was received.

The accumulated rainfall at Nadi Airport over the last three months was 5th driest April to June period in its 75 years of history.

The rainfall outlooks for the April to June 2017 period were consistent at 6 out of the 13 sites, near-consistent at 5 and inconsistent at 2.

Outlooks for August to October 2017:

1. SCOPIC:

The SCOPIC rainfall outlook for August to October 2017 shows:

- *Below normal* rainfall as the most likely outcome at a majority of the sites, followed by normal rainfall;
- *Normal* rainfall as the most likely outcome at Nausori Airport, followed by *below normal*;
- Mixed outlook for Penang Mill and Tokotoko as the chances of *below normal* and *normal* rainfall are almost similar;
- *Above normal* rainfall as the most likely outcome at Rotuma; and
- Generally *low to moderate* confidences in the outlooks.

2. POAMA

The POAMA outlook shows:

- Mixed outlook for Nadi, Suva, Lakeba and Vunisea with almost equal chances of *below normal* and *above normal* rainfall; and
- *Above normal* rainfall as the most likely outcome at Nabouwalu, Udu Point and Rotuma.

NB: The X LEPS % score has been categorised as follows:

Very Low: $X < 0.0$ Low: $0 \leq X < 5$ Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$ High: $15 \leq X < 25$

Very High : $25 \leq X < 35$ Exceptional: $X \geq 35$