

**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	<b>12.5</b>	40	95	58	10/108
Lautoka Mill (1900-2017)	15.2	65.8	<b>24.0</b>	30	76	47	38/118
Nadi Airport (1942-2017)	48.7	55.2	<b>2.4</b>	26	73	52	6/76
Viwa (1978 -2017)	63.2	137.0	<b>20.0</b>	19	95	66	13/36
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2017)	317.9	285.2	<b>109.8</b>	101	209	140	27/76
Nausori Airport (1957-2017)	175.4	248.9	<b>80.0</b>	92	203	135	15/61
Tokotoko (Navua) (1945-2017)	187.5	262.8	<b>161.3</b>	134	248	182	34/73
<i>Eastern Division</i>							
Lakeba (1950-2017)	21.8	183.8	<b>22.0</b>	51	133	89	11/68
Vunisea (Kadavu) (1931-2017)	273.9	246.4	<b>45.7</b>	74	141	109	17/81
Ono-i-Lau (1943-2017)	44.4	142.3	<b>39.0</b>	59	108	78	16/70
<i>Northern Division</i>							
Labasa Airport (1946-2017)	54.0	148.1	<b>23.2</b>	31	84	49	17/61
Savusavu Airfield (1956-2017)	83.6	114.2	<b>91.1</b>	55	136	108	26/59
Rotuma (1912-2017)	243.9	216.2	<b>319.6</b>	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)
<b>Western Division</b>							
Penang Mill (1910-2017)	<b>207.4</b>	352	532	423	10/107	43:38:19 (3.7)	Consistent
Lautoka Mill (1900-2017)	<b>105.0</b>	264	390	324	7/118	46:30:24 (2.7)	Consistent
Nadi Airport (1942-2017)	<b>106.3</b>	257	376	314	5/75	48:26:26 (2.7)	Consistent
Viwa (1978 -2017)	<b>220.2</b>	274	450	391	8/35	39:38:33 (-1.0)	Consistent
<b>Central Division</b>							
Laucala Bay (Suva) (1942-2017)	<b>712.9</b>	676	821	732	33/76	46:29:25 (2.5)	Near-consistent
Nausori Airport (1957-2017)	<b>504.3</b>	646	778	706	10/61	34:41:25 (-0.1)	Near-consistent
Tokotoko (Navua) (1945-2017)	<b>611.6</b>	755	985	869	12/73	45:37:18 (5.2)	Consistent
<b>Eastern Division</b>							
Lakeba, Lau (1950-2017)	<b>227.6</b>	342	500	424	12/67	36:40:24 (0.1)	Near-consistent
Vunisea (Kadavu) (1931-2017)	<b>566.0</b>	457	605	540	49/81	37:36:27 (-0.3)	Near-consistent
Ono-i-lau (1943-2017)	<b>225.7</b>	317	466	406	13/67	43:30:27 (0.3)	Consistent
<b>Northern Division</b>							
Labasa Airport (1956-2017)	<b>225.3</b>	327	448	407	9/61	30:34:36 (0.9)	Inconsistent
Savusavu Airfield (1956-2017)	<b>288.9</b>	394	629	488	7/59	23:37:40 (21.2)	Inconsistent
Rotuma (1912-2017)	<b>779.7</b>	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)	<b>43</b>	178	<b>41</b>	275	16	6.1	42.4
Lautoka Mill (1900-2017)	<b>48</b>	165	28	259	24	3.8	40.3
Nadi Airport (1942-2017)	<b>50</b>	173	30	291	20	6.2	40.3
Viwa (1978 -2017)	<b>39</b>	134	28	267	33	-2.0	32.4
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2017)	<b>47</b>	410	37	616	16	7.2	47.8
Nausori Airport (1957-2017)	31	427	<b>46</b>	600	23	0.0	43.3
Tokotoko (Navua) (1945-2017)	<b>43</b>	560	<b>43</b>	891	14	8.5	30.3
<i>Eastern Division</i>							
Lakeba (1950-2017)	<b>44</b>	252	30	344	26	1.3	43.3
Vunisea (Kadavu) (1931-2017)	<b>47</b>	294	34	437	19	4.8	40.0
Ono-i-Lau (1943-2017)	<b>45</b>	234	29	348	26	1.5	39.7
<i>Northern Division</i>							
Labasa Airport (1956-2017)	<b>45</b>	167	31	243	24	1.4	25.9
Savusavu Airfield (1956-2017)	<b>43</b>	301	37	414	20	3.7	42.4
<i>Rotuma</i>							
Rotuma (1912 -2017)	32	652	23	840	<b>46</b>	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)	<b>60</b>	224	40	1.2	57.6
Lautoka Mill (1900-2017)	<b>65</b>	225	35	4.2	55.2
Nadi Airport (1942-2017)	<b>64</b>	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)	<b>61</b>	510	39	2.0	56.7
Nausori Airport (1957-2017)	<b>62</b>	479	38	2.4	58.3
Tokotoko (Navua) (1945-2017)	<b>69</b>	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)	<b>65</b>	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	<b>42</b>	192	15	298	<b>43</b>
Nadi	<b>45</b>	152	12	266	<b>43</b>
Nabouwalu	33	234	9	378	<b>58</b>
Udu Point	30	241	12	364	<b>58</b>
Vunisea	<b>45</b>	302	12	459	<b>42</b>
Suva	<b>45</b>	434	12	590	<b>43</b>
Rotuma	21	650	12	894	<b>67</b>

### **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 5<sup>th</sup> 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:  $X \geq 35$