

Country Name: Fiji

TABLE 1: Monthly Rainfall

Station (include data period)	April 2016						
	February 2016 Total	March 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<b>Western Division</b>							
Penang Mill (1910-2016)	607.6	123.0	552.3	170	267	204	100/106
Lautoka Mill (1900-2016)	535.5	286.6	434.4	113	198	147	112/117
Nadi Airport (1942-2016)	424.1	324.0	499.6	117	208	149	73/74
Yasawa-i-Rara (1950-2016)	198.5	107.0	250.5	110	205	151	48/65
<b>Central Division</b>							
Laucala Bay (Suva) (1942-2016)	321.3	109.8	351.3	266	384	324	46/75
Nausori Airport (1957-2016)	522.3	110.9	388.0	261	388	317	40/60
Tokotoko (Navua) (1945-2016)	255.1	151.8	445.9	303	450	340	47/72
<b>Eastern Division</b>							
Lakeba (1950-2016)	175.4	50.5	306.4	131	219	174	54/66
Vunisea (Kadavu) (1931-2016)	145.6	178.7	291.0	149	267	211	58/81
Ono-i-lau (1943-2016)	207.3	51.7	576.6	104	210	171	68/69
<b>Northern Division</b>							
Labasa Airport (1956-2016)	242.8	228.9	607.0	150	280	240	59/61
Nabouwalu (1918-2016)	382.6	117.7	553.7	204	329	245	94/98
Rotuma (1912-2016)	362.7	190.3	572.3	213	304	256	103/104

Period: \*below normal/normal/above normal

M - Missing

**TABLE 2: Three-monthly Rainfall  
February to April 2016**

**Predictors and Period used: NINO3.4 SST Anomalies: October - December 2015**

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 (1910-2016)	<b>1282.9</b>	827	1096	989	89/106	<b>77:19:4</b> (11.9)	Inconsistent
Lautoka Mill (1900-2016)	<b>1256.5</b>	673	916	809	105/116	<b>95:4:1</b> (23.2)	Inconsistent
Nadi Airport (1942-2016)	<b>1247.7</b>	657	908	789	65/73	<b>92:8:0</b> (33.9)	Inconsistent
Yasawa-i-rara (1950-2016)	<b>556.0</b>	536	832	660	23/65	<b>93:5:2</b> (16.0)	Near- Consistent
<b>Central Division</b>							
Laucala Bay (Suva) (1942-2016)	<b>782.4</b>	875	1100	946	13/75	<b>36:26:38</b> (-3.5)	Inconsistent
Nausori Airport (1957-2016)	<b>1021.2</b>	891	1046	946	36/60	<b>34:26:40</b> (-3.7)	Near- Consistent
Tokotoko (Navua) (1945-2016)	<b>852.8</b>	1002	1214	1111	16/72	<b>34:33:33</b> (-3.5)	Consistent
<b>Eastern Division</b>							
Lakeba, Lau (1950-2016)	<b>532.3</b>	637	822	698	14/66	<b>87:8:5</b> (14.3)	Consistent
Vunisea (Kadavu) (1931-2016)	<b>615.3</b>	635	826	735	25/80	<b>63:28:9</b> (5.9)	Consistent
Ono-i-lau (1943-2016)	<b>835.6</b>	473	689	581	58/67	<b>41:30:29</b> (-4.5)	Inconsistent
<b>Northern Division</b>							
Labasa Airport (1956-2016)	<b>1078.7</b>	774	1120	1018	35/61	<b>54:31:15</b> (2.8)	Inconsistent
Nabouwalu (1918-2016)	<b>1054.0</b>	775	1032	879	68/98	<b>46:52:2</b> (12.9)	Inconsistent
Rotuma (1912-2016)	<b>1125.3</b>	896	1080	1000	78/103	<b>54:11:35</b> (-1.1)	Inconsistent

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  
June to August 2016 – Tercile Method**

**Predictors and Period used: NINO3.4 SST Anomalies: February – April 2016**

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS (%)	Hit-rate (%)
<b><i>Western Division</i></b>							
Penang Mill (1910-2016)	<b>73</b>	159	13	226	14	4.0	37.9
Lautoka Mill (1900-2016)	<b>68</b>	119	19	223	13	4.4	39.4
Nadi Airport (1942-2016)	<b>68</b>	118	24	207	8	7.2	42.4
Yasawa-i-rara (1950-2016)	<b>62</b>	132	30	240	8	5.6	46.8
<b><i>Central Division</i></b>							
Laucala Bay (Suva) (1942-2016)	<b>56</b>	366	31	507	13	8.7	35.3
Nausori Airport (1957-2016)	<b>76</b>	341	18	498	6	13.5	47.1
Tokotoko (Navua) (1945-2016)	<b>63</b>	487	29	679	8	13.2	39.4
<b><i>Eastern Division</i></b>							
Lakeba (1950-2016)	<b>68</b>	197	26	304	6	8.8	46.2
Vunisea (Kadavu) (1931-2016)	<b>68</b>	255	12	398	20	2.4	40.0
Ono-i-lau (1943-2016)	<b>57</b>	247	29	345	14	3.6	41.9
<b><i>Northern Division</i></b>							
Labasa Airport (1956-2016)	<b>66</b>	113	18	184	16	3.0	40.7
Nabouwalu (1918-2016)	<b>81</b>	232	16	336	3	16.1	55.4
Rotuma (1912 -2016)	13	596	<b>43</b>	780	<b>44</b>	2.1	39.1

## Seasonal Climate Outlook:

### June to August 2016 - Median Table:

**Predictors and Period used: NINO3.4 SST Anomalies: February - April 2016**

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS	Hit-rate
<b><i>Western Division</i></b>					
Penang Mill (1910-2016)	<b>62</b>	185	38	-0.7	56.1
Lautoka Mill (1900-2016)	<b>75</b>	169	25	2.8	59.1
Nadi Airport (1942-2016)	<b>79</b>	162	21	4.2	57.6
Yasawa-i-rara (1950-2016)	<b>83</b>	185	17	6.6	59.7
<b><i>Central Division</i></b>					
Laucala Bay (Suva) (163.6942-2016)	<b>65</b>	436	35	0.4	51.5
Nausori Airport (1957-2016)	<b>87</b>	425	13	8.1	59.3
Tokotoko (Navua) (1945-2016)	<b>86</b>	576	14	8.0	56.9
<b><i>Eastern Division</i></b>					
Lakeba (1950-2016)	<b>78</b>	270	22	4.0	52.3
Vunisea (Kadavu) (1931-2016)	<b>82</b>	310	18	6.2	61.5
Ono-i-lau (1943-2016)	<b>77</b>	289	23	3.4	56.5
<b><i>Northern Division</i></b>					
Labasa Airport (1956-2016)	<b>75</b>	146	25	2.5	59.3
Nabouwalu (1918-2016)	<b>90</b>	281	10	12.5	64.6
Rotuma (1912 -2016)	25	713	<b>75</b>	2.7	60.9

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
June to August 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Lakeba	73	184	21	299	6
Nadi	64	126	31	215	5
Nabouwalu	61	212	27	316	12
Udu Point	58	159	33	295	9
Vunisea	64	294	31	448	5
Suva	63	359	31	501	6
Rotuma	48	587	24	843	28

### **Summary Statements**

#### **Rainfall for April 2016:**

Rainfall during April was *above normal* at majority of the sites except at Suva, Nausori and Navua which received *normal* rainfall.

It was the second wettest April for Nadi, Ono and Rotuma.

#### **Accumulated rainfall for February to April 2016 & outlook verification:**

Suva, Navua, Lakeba and Vunisea received *below normal* rainfall, Yasawa, Nausori and Labasa received *normal* rainfall, while the rest of the stations received *above normal* rainfall.

#### **Verification of the 3-month rainfall**

Inconsistent forecasts were recorded at 8 of the 13 stations, consistent at 3 and near-consistent at 2 of the stations.

#### **Outlooks for June to August 2016:**

##### **1. SCOPIC:**

The seasonal rainfall outlook for June to August 2016 shows:

- *Below normal* rainfall likely across the country;
- The outlook for Rotuma is mixed with almost equal chances of *above normal* and *normal* rainfall; and
- The outlook confidences generally range from *low* to *moderate*.

##### **2. POAMA:**

POAMA model favours *below normal* rainfall across the country.

**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:  $X \geq 35$