

Country Name: Fiji

TABLE 1: Monthly Rainfall

Station (include data period)			February 2016				
	December 2015 Total	January 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Western Division							
Penang Mill (1910-2016)	195.4	84.8	607.6	275	398	343	97/107
Lautoka Mill (1900-2016)	116.3	168.2	535.5	217	367	273	105/116
Nadi Airport (1942-2016)	204.6	227.4	424.1	219	343	277	58/74
Yasawa-i-Rara (1950-2016)	249.0	45.5	198.5	179	297	227	26/66
Central Division							
Laucala Bay (Suva) (1942-2016)	364.8	177.5	321.3	242	331	289	46/75
Nausori Airport (1957-2016)	375.1	103.5	522.3	215	315	286	59/60
Tokotoko (Navua) (1945-2016)	493.1	166.5	255.1	269	366	300	23/72
Eastern Division							
Lakeba (1950-2016)	86.1	167.1	175.4	153	276	198	28/67
Vunisea (Kadavu) (1931-2016)	M	156.0	145.6	158	263	227	25/81
Ono-i-lau (1943-2016)	15.8	112.1	207.3	125	210	173	44/70
Northern Division							
Labasa Airport (1956-2016)	82.9	201.3	242.8	246	456	359	21/61
Nabouwalu (1918-2016)	295.2	132.2	382.6	255	342	303	74/99
Rotuma (1912-2016)	274.2	73.8	362.7	289	380	324	63/104

Period: *below normal/normal/above normal

M - Missing

**TABLE 2: Three-monthly Rainfall
December 2015 to February 2016**

Predictors and Period used: NINO3.4 SST Anomalies: Aug-Oct 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)
Western Division							
Penang Mill (1910-2016)	887.8	778	1070	881	52/103	66/32/2 (17.3)	Near-consistent
Lautoka Mill (1900-2016)	820.0	610	924	774	66/116	85/14/1 (28.0)	Near-consistent
Nadi Airport (1942-2016)	856.1	634	907	834	41/73	88/11/1 (24.0)	Near-consistent
Yasawa-i-rara (1950-2016)	493.0	498	781	682	22/63	90/10/0 (40.2)	Consistent
Central Division							
Laucala Bay (Suva) (1942-2016)	863.6	782	1025	874	37/74	59/25/16 (2.4)	Near-consistent
Nausori Airport (1957-2016)	1000.9	782	1001	829	40/70	42/26/32 (-1.6)	Near-consistent
Tokotoko (Navua) (1945-2016)	914.7	884	1135	994	27/70	28/40/32 (-1.7)	Consistent
Eastern Division							
Lakeba, Lau (1950-2016)	428.6	576	751	656	11/67	84/15/1 (26.3)	Consistent
Vunisea (Kadavu) (1931-2016)	M	498	716	615	M	74/16/10 (7.9)	M
Ono-i-lau (1943-2016)	335.2	439	589	506	14/68	64/24/12 (4.7)	Consistent
Northern Division							
Labasa Airport (1956-2016)	527.0	810	1123	919	8/59	81/18/1 (28.1)	Consistent
Nabouwalu (1918-2016)	810.0	775	1024	888	40/97	87/12/1 (22.0)	Near-consistent
Rotuma (1912-2016)	710.7	903	1099	998	12/101	69/29/2 (16.1)	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
April to June 2016 – Tercile Method**

Predictors and Period used: NINO3.4 SST Anomalies: Dec 2015 – Feb 2016

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 (1910-2016)	69	349	19	532	12	4.2	42.2
Lautoka Mill (1900-2016)	76	263	21	389	3	15.3	55.4
Nadi Airport (1942-2016)	81	255	17	374	2	17.6	53.8
Yasawa-i-rara (1950-2016)	88	28	6	429	6	11.7	45.2
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2016)	56	678	37	833	7	6.1	47.7
Nausori Airport (1957-2016)	78	646	18	786	4	12.2	47.5
Tokotoko (Navua) (1945-2016)	59	754	36	992	5	8.9	49.2
<i>Eastern Division</i>							
Lakeba (1950-2016)	71	336	19	501	10	6.4	46.9
Vunisea (Kadavu) (1931-2016)	80	453	13	611	7	11.5	53.1
Ono-i-lau (1943-2016)	93	315	4	463	3	18.2	48.3
<i>Northern Division</i>							
Labasa Airport (1956-2016)	56	324	32	445	12	3.6	42.4
Nabouwalu (1918-2016)	90	485	7	659	3	17.4	57.8
Rotuma (1912 -2016)	30	744	28	921	42	-1.9	28.1

Seasonal Climate Outlook:

April to June 2016 - Median Table:

Predictors and Period used: NINO3.4 SST Anomalies: Dec 2015 – Feb 2016

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS	Hit-rate
<i>Western Division</i>					
Penang Mill (1910-2016)	70	422	30	1.3	56.3
Lautoka Mill (1900-2016)	87	323	13	10.8	66.2
Nadi Airport (1942-2016)	89	313	11	15.7	69.2
Yasawa-i-rara (1950-2016)	83	336	17	6.8	66.1
<i>Central Division</i>					
Laucala Bay (Suva) (1942-2016)	79	734	21	4.8	58.5
Nausori Airport(1957-2016)	78	706	22	4.9	61.0
Tokotoko (Navua) (1945-2016)	86	874	14	7.8	60.0
<i>Eastern Division</i>					
Lakeba (1950-2016)	87	422	13	10.9	67.2
Vunisea (Kadavu) (1931-2016)	79	541	21	5.1	64.1
Ono-i-lau (1943-2016)	88	397	12	12.4	65.0
<i>Northern Division</i>					
Labasa Airport (1956-2016)	76	405	24	3.9	62.7
Nabouwalu (1918-2016)	91	545	9	14.4	70.3
Rotuma (1912 -2016)	48	831	52	-1.6	29.7

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Lakeba	95	341	5	507	0
Nadi	91	250	5	385	4
Nabouwalu	64	409	27	627	9
Udu Point	79	397	15	618	6
Vunisea	91	446	5	627	4
Suva	91	646	5	821	4
Rotuma	79	761	15	973	6

Summary Statements

Rainfall for February 2016:

Rainfall during February was normal to above normal at majority of the site except for Tokotoko, Vunisea and Labasa Airport which received below normal rainfall.

Accumulated rainfall for December 2015 to February 2016 & outlook verification:

Below normal rainfall was received at all stations in the Eastern Division, Yasawa-i-Rara in the Western Division, Labasa Airport in the Northern Division and Rotuma. The rest of the stations recorded *normal* rainfall.

Verification of the 3-month rainfall

The SCOPIC outlooks for the last three months were consistent at 6 stations and near-consistent at 6. The outlook for Vunisea could not be verified due to missing data.

Outlooks for April to June 2016:

1. SCOPIC:

The seasonal rainfall outlook for March to May 2016 shows:

- *Below normal* rainfall favoured over majority of the places, *normal* rainfall is the next most likely outcome;
- *Above normal* rainfall is favoured for Rotuma;
- The outlook confidences range from *low* to *good* in the Western, Northern Central and Eastern Divisions, while it is *very low* at Rotuma.

2. POAMA:

POAMA model favours *below normal* rainfall at all the stations.

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: $X \geq 35$