

Country Name: Fiji

TABLE 1: Monthly Rainfall

Station (include data period)	March 2016						
	January 2016 Total	February 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Western Division							
Penang Mill (1910-2016)	84.8	607.6	123.0	266	442	363	9/107
Lautoka Mill (1900-2016)	168.2	535.5	286.6	204	384	280	59/116
Nadi Airport (1942-2016)	227.4	424.1	324.0	237	401	311	40/73
Yasawa-i-Rara (1950-2016)	45.5	198.5	107.0	179	324	235	9/65
Central Division							
Laucala Bay (Suva) (1942-2016)	177.5	321.3	109.8	298	434	345	2/75
Nausori Airport (1957-2016)	103.5	522.3	110.9	304	446	367	1/60
Tokotoko (Navua) (1945-2016)	166.5	255.1	151.8	320	440	381	4/72
Eastern Division							
Lakeba (1950-2016)	167.1	175.4	50.5	213	333	264	1/66
Vunisea (Kadavu) (1931-2016)	156.0	145.6	178.7	215	304	274	3/69
Ono-i-lau (1943-2016)	112.1	207.3	51.7	170	295	214	16/80
Northern Division							
Labasa Airport (1956-2016)	201.3	242.8	228.9	269	438	344	14/61
Nabouwalu (1918-2016)	132.2	382.6	117.7	244	372	296	4/99
Rotuma (1912-2016)	73.8	362.7	190.3	257	421	327	12/103

Period: *below normal/normal/above normal

M - Missing

**TABLE 2: Three-monthly Rainfall
January to March 2016**

Predictors and Period used: NINO3.4 SST Anomalies: Sept - Nov 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)
<i>Western Division</i>							
Penang Mill (1910-2016)	815.4	928	1188	1069	26/107	93/6/1 (29.5)	Consistent
Lautoka Mill (1900-2016)	990.3	789	1064	946	67/116	92/7/1 (24.3)	Near - consistent
Nadi Airport (1942-2016)	975.5	805	1090	923	44/73	83/15/2 (21.4)	Near - consistent
Yasawa-i-rara (1950-2016)	351.0	632	902	742	8/64	95/4/1 (28.6)	Consistent
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2016)	608.6	847	1096	1012	5/75	43/35/22 (-0.9)	Consistent
Nausori Airport (1957-2016)	736.7	884	1079	956	9/60	43/22/35 (-1.8)	Consistent
Tokotoko (Navua) (1945-2016)	573.4	926	1246	1087	2/72	35/19/46 (-1.2)	Inconsistent
<i>Eastern Division</i>							
Lakeba, Lau (1950-2016)	393.0	654	882	763	3/66	70/28/2 (17.9)	Consistent
Vunisea (Kadavu) (1931-2016)	480.3	621	835	744	12/80	53/22/25 (-0.5)	Consistent
Ono-i-lau (1943-2016)	371.1	495	684	609	8/68	47/33/20 (0.4)	Consistent
<i>Northern Division</i>							
Labasa Airport (1956-2016)	637.0	979	1300	1125	11/60	88/6/6 (14.1)	Consistent
Nabouwalu (1918-2016)	633.0	829	1062	944	11/99	91/6/3 (17.9)	Consistent
Rotuma (1912-2016)	626.8	927	1162	1049	5/103	83/14/3 (15.3)	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
May to July 2016 – Tercile Method**

Predictors and Period used: NINO3.4 SST Anomalies: Jan – Mar 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)	74	179	21	298	5	8.9	48.5
Lautoka Mill (1900-2016)	90	153	7	235	3	17.8	51.5
Nadi Airport (1942-2016)	74	142	21	247	5	10.5	53.0
Yasawa-i-rara (1950-2016)	92	172	5	270	3	14.2	51.6
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2016)	76	440	20	613	4	12.7	43.9
Nausori Airport (1957-2016)	87	431	11	584	2	19.3	50.8
Tokotoko (Navua) (1945-2016)	75	564	24	756	1	18.5	47.0
<i>Eastern Division</i>							
Lakeba (1950-2016)	94	255	4	365	2	20.0	44.6
Vunisea (Kadavu) (1931-2016)	53	326	38	436	9	3.5	26.2
Ono-i-lau (1943-2016)	89	228	7	375	4	15.5	49.2
<i>Northern Division</i>							
Labasa Airport (1956-2016)	81	160	17	266	2	18.3	45.8
Nabouwalu (1918-2016)	94	320	4	444	2	21.0	51.5
Rotuma (1912 -2016)	22	690	39	872	39	-1.0	20.3

Seasonal Climate Outlook:

May to July 2016 - Median Table:

Predictors and Period used: NINO3.4 SST Anomalies: Jan - Mar 2016

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS	Hit-rate
<i>Western Division</i>					
Penang Mill (1910-2016)	83	252	17	6.7	59.1
Lautoka Mill (1900-2016)	93	202	7	14.2	69.7
Nadi Airport (1942-2016)	92	185	8	16.7	69.7
Yasawa-i-rara (1950-2016)	93	227	7	14.9	62.9
<i>Central Division</i>					
Laucala Bay (Suva) (1942-2016)	93	508	7	16.2	60.6
Nausori Airport (1957-2016)	96	517	4	28.8	71.2
Tokotoko (Navua) (1945-2016)	89	652	11	12.0	59.1
<i>Eastern Division</i>					
Lakeba (1950-2016)	84	320	16	7.4	52.3
Vunisea (Kadavu) (1931-2016)	67	380	33	0.7	52.3
Ono-i-lau (1943-2016)	87	311	13	10.1	67.2
<i>Northern Division</i>					
Labasa Airport (1956-2016)	92	208	8	13.6	61.0
Nabouwalu (1918-2016)	93	366	7	16.4	68.2
Rotuma (1912 -2016)	32	786	68	0.6	53.1

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
May to July 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Lakeba	85	214	10	368	5
Nadi	91	149	5	206	4
Nabouwalu	94	240	5	393	1
Udu Point	95	215	5	355	0
Vunisea	91	358	5	422	4
Suva	91	415	5	560	4
Rotuma	94	758	5	863	1

Summary Statements

Rainfall for March 2016:

Rainfall during March was below normal at majority of the sites except at Lautoka and Nadi Airport which received normal rainfall.

It was the driest March on record at Nausori Airport and Lakeba, and 2nd driest at Laucala Bay.

Accumulated rainfall for January to March 2016 & outlook verification:

Normal rainfall was received at two stations in the Western Division, Lautoka and Nadi Airport. The rest of the stations recorded *below normal* rainfall.

It was the 2nd driest January to March period at Navua.

Verification of the 3-month rainfall

The SCOPIC outlooks for the last three months were consistent at 10 stations, near-consistent at 2 and inconsistent at 1.

Outlooks for May to July 2016:

1. SCOPIC:

The seasonal rainfall outlook for May to July 2016 shows:

- *Below normal* rainfall favoured across the Western, Central, Eastern and Northern Divisions, with *normal* the next most likely outcome;
- The outlook for Rotuma is mixed with equal chances of *normal* or *above normal* rainfall;
- The outlook confidences generally range from *Moderate* to *High* in the Western, Northern, Central and Eastern Divisions, while it is *very low* at Rotuma.

2. POAMA:

POAMA model heavily 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: $X \geq 35$