

Country Name: Fiji**TABLE 1: Monthly Rainfall**

Station (include data period)	January 2015						
	November 2014 Total	December 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Western Division							
Penang Mill (1910-2015)	64.8	455.9	136.8	235.1	415.1	305.2	18/106
Lautoka Mill (1900-2015)	88.4	136.2	203.3	172.2	372.3	259.2	44/115
Nadi Airport (1942-2015)	90.3	123.9	205.8	220.1	364.4	295.1	23/74
Yasawa-i-rara (1950-2015)	25.7	81.1	111.2	130.6	299.4	218.4	15/66
Central Division							
Laucala Bay (Suva) (1942-2015)	63.5	579.8	301.1	252.6	384.6	319.9	36/74
Nausori Airport (1957-2015)	96.9	732.6	312.5	261.0	406.2	325.5	29/59
Tokotoko (Navua) (1945-2015)	292.3	418.0	415.4	275.4	412.5	350.0	48/71
Eastern Division							
Lakeba (1950-2015)	159.8	88.9	131.7	175.2	307.5	247.4	13/66
Vunisea (Kadavu) (1931-2015)	85.6	222.1	145.9	171.4	279.0	228.6	20/85
Ono-i-lau (1943-2015)	108.2	1.7	131.6	120.2	224.1	184.1	26/73
Northern Division							
Labasa Airport (1956-2015)	60.2	94.8	105.0	250.3	465.5	394.3	6/60
Nabouwalu (1918-2015)	79.5	280.4	233.5	252.3	400.6	328.3	31/98
Rotuma (1912-2015)	248.1	330.3	367.9	287.0	410.6	337.0	57/104

Period: *below normal/normal/above normal

**TABLE 2: Three-monthly Rainfall
November 2014 to January 2015
Predictors and Period used: NIÑO 3.4 (July to September 2014)**

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 (1910-2015)	657.5	567.8	821.8	683.5	47/100	34/36/30	Consistent
Lautoka Mill (1900-2015)	427.9	416.2	694.9	562.1	41/115	32/43/25	Consistent
Nadi Airport (1942-2015)	420.0	428.9	750.3	661.6	21/72	35/42/23	Near-consistent
Yasawa-i-rara (1950-2015)	218.0	395.5	637.0	506.0	9/62	35/43/22	Near-consistent
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2015)	944.4	683.3	1030.6	849.8	44/73	35/35/30	Near-consistent
Nausori Airport (1957-2015)	1142.0	742.5	1001.1	846.4	49/59	36/36/28	Near-consistent
Tokotoko (Navua) (1945-2015)	1125.7	865.3	1114.7	933.5	47/69	35/33/32	Inconsistent
<i>Eastern Division</i>							
Lakeba, Lau (1950-2015)	380.4	461.1	671.7	584.2	13/66	37/37/26	Near-consistent
Vunisea (Kadavu) (1931-2015)	453.6	446.7	636.1	526.2	28/78	35/35/30	Near-consistent
Ono-i-lau (1943-2015)	241.5	356.8	515.4	448.8	16/67	35/43/22	Near-consistent
<i>Northern Division</i>							
Labasa Airport (1956-2015)	260.0	599.2	948.9	681.3	1/59	34/42/22	Near-consistent
Nabouwalu (1918-2015)	593.4	649.7	890.2	759.8	28/96	37/40/23	Near-consistent
Rotuma (1912-2015)	946.3	900.3	1080.7	1005.0	42/100	36/34/30	Near-consistent

* 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).

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
March to May 2015**

Predictors and Period used: NINO 3.4 (November 2014 to January 2015)

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 (1910-2015)	45	596.0	30	895.1	25	7.3	49.2
Lautoka Mill (1900-2015)	48	480.6	29	680.6	23	11.0	48.4
Nadi Airport (1942-2015)	47	508.9	35	670.1	18	13.4	54.7
Yasawa-i-rara (1950-2015)	45	468.5	33	643.2	22	9.1	42.6
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2015)	37	828.4	35	1062.2	28	0.2	32.8
Nausori Airport (1957-2015)	37	808.9	31	1035.5	32	-1.2	29.3
Tokotoko (Navua) (1945- 2015)	39	945.3	27	1170.4	34	-0.6	34.4
<i>Eastern Division</i>							
Lakeba (1950-2015)	43	545.3	30	721.3	27	3.2	27.0
Vunisea (Kadavu) (1931- 2015)	44	611.2	31	760.9	25	5.3	25.4
Ono-i-lau (1943-2015)	42	459.4	37	649.9	21	7.5	46.6
<i>Northern Division</i>							
Labasa Airport (1956- 2015)	39	563.7	33	841.2	28	1.2	37.3
Nabouwalu (1918-2015)	44	668.5	32	907.1	24	6.8	43.8
Rotuma (1912 -2015)	34	828.7	30	1041.6	36	-1.7	42.9

Seasonal Climate Outlook:

March to May 2015 - Median Table:

Predictors and Period used: NINO 3.4 (November 2014 to January 2015)

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS	Hit-rate
Western Division					
Penang Mill (1910-2015)	64	694.4	36	10.3	63.5
Lautoka Mill (1900-2015)	64	573.6	36	9.8	62.5
Nadi Airport (1942-2015)	64	583.8	36	9.7	62.5
Yasawa-i-rara (1950-2015)	56	545.2	44	1.0	57.4
Central Division					
Laucala Bay (Suva) (1942-2015)	53	912.7	47	-1.3	46.9
Nausori Airport (1957-2015)	55	916.4	45	-0.4	50.0
Tokotoko (Navua) (1945-2015)	54	1063.7	46	-0.6	51.6
Eastern Division					
Lakeba (1950-2015)	57	636.7	43	2.1	57.1
Vunisea (Kadavu) (1931-2015)	59	697.4	41	2.9	60.3
Ono-i-lau (1943-2015)	61	513.9	39	7.0	67.2
Northern Division					
Labasa Airport (1956-2015)	54	722.3	46	-0.9	50.8
Nabouwalu (1918-2015)	65	758.5	35	11.1	65.6
Rotuma (1912 -2015)	49	9573.3	51	-1.4	54.0

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
March to May 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Nadi Airport	39	657	39	856	22
Suva	39	852	39	983	22
Udu Point	43	709	30	928	27
Rotuma	36	845	43	1046	21

Summary Statements

Rainfall for January 2015:

January was drier than *normal* over most parts of the country. Western, Northern and Eastern Divisions received generally *below normal* rainfall during the month, while the Central Division, recorded *normal* to *above normal* rainfall.

Accumulated rainfall November 2014 to January 2015 and outlook verification:

With the exception of the Central Division, which recorded *normal* to *above normal* rainfall, all other Divisions received *normal* to *below normal* rainfall over the last three months. It was particularly dry at Labasa Airport, with the rainfall over the November 2014 to January 2015, ranking lowest on record.

The SCOPIC forecasts for the November 2014 to January 2015 were consistent at 2 stations, near- consistent at 10 and inconsistent at 1.

A large number of stations continue to be in drought on a 3 month timescale. This includes Nadi Airport, Labasa Airport, Lakeba, Lautoka Mill, Matuku, Nacocolevu (Sigatoka), Ono-i-Lau, Rarawai Mill (Ba), Yasawa-i-Rara, Vatukoula and Dobuilevu. The majority of the stations are still in drought on a 6 month timescale. The exceptions to this are Penang Mill, and Seaqaqa which are currently in a warning stage for drought, while there is no alert for Koronivia, Monasavu, Nausori Airport, Tokotoko (Navua), Vunisea (Kadavu) and Vanuabalavu.

Outlooks for March to May 2015:

1. SCOPIC:

The seasonal rainfall outlook for March to May 2015 shows:

- *Below normal* is the most likely outcome across the Western and Eastern Divisions and at Nabouwalu in the Northern Division, with *normal* rainfall the next most likely outcome;
- There is no clear guidance for Suva, Nausori Airport, Labasa Airport and Rotuma, as the chances of *below normal*, *normal* and *above normal* rainfall are quite close. For Tokotoko, Navua the outlook is mixed as the chances of *below normal* and *above normal* rainfall are similar; and
- The forecast skill are *moderate* to *good* in the Western Division, *low* to *moderate* in the Eastern and Northern Divisions, while the Central Division forecasts have *low* to *very low* skill.

2. POAMA:

POAMA model favours *below normal* or *normal* rainfall at at Nadi Airport and Suva, *below normal* at Udu Point and *normal* at Rotuma in the Fiji Group.

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: $X \geq 35$