

Country Name: Fiji

TABLE 1: Monthly Rainfall

Station (include data period)			NOVEMBER 2015				
	SEPTEMBER 2015 Total	OCTOBER 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Western Division							
Penang Mill (1910-2015)	81.2	34.7	27.7	91.0	188.5	126.1	15/104
Lautoka Mill (1900-2015)	43.4	18.5	2.4	63.8	141.5	101.9	1/116
Nadi Airport (1942-2015)	63.0	24.5	28.4	89.8	149.6	122.6	8/73
Yasawa-i-rara (1950-2015)	34.5	34.6	u/s	58.2	159.5	112.7	8/63
Central Division							
Laucala Bay (Suva) (1942-2015)	127.9	98.3	45.6	155.3	255.7	205.6	3/74
Nausori Airport (1957-2015)	172.8	122.9	74.4	191.4	298.7	232.5	6/60
Tokotoko (Navua) (1945-2015)	188.7	128.8	193.8	227.1	348.0	279.0	22/70
Eastern Division							
Lakeba (1950-2015)	52.9	12.5	48.4	74.0	176.9	114.8	11/67
Vunisea (Kadavu) (1931-2015)	M	128.5	26.1	82.4	156.9	108.9	7/80
Ono-i-lau (1943-2015)	110.8	9.0	25.8	53.8	126.5	93.1	14/70
Northern Division							
Labasa Airport (1956-2015)	27.8	69.2	72.2	119.1	209.9	154.1	10/57
Nabouwalu (1918-2015)	M	M	M	125.4	234.5	174.0	M
Rotuma (1912-2015)	108.6	156.4	252.7	250.1	347.7	295.3	38/102

Period: *below normal/normal/above normal

M – Missing

u/s - unserviceable

**TABLE 2: Three-monthly Rainfall
September to November 2015
Predictors and Period used: NIÑO 3.4 (May to July 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 (1910-2015)	143.6	245.2	362.9	293.7	15/103	66:30:4 (15.7)	Consistent
Lautoka Mill (1900-2015)	64.3	184.5	324.8	264.7	6/116	67:29:4 (17)	Consistent
Nadi Airport (1942-2015)	115.9	239.7	343.5	296.8	5/73	85:14:1 (28.3)	Consistent
Yasawa-i-rara (1950-2015)	M	195.8	352.2	268.7	M	56:41:3 (12.6)	-
Central Division							
Laucala Bay (Suva) (1942-2015)	271.8	461.9	754.6	626.9	5/74	73:18:9 (8.1)	Consistent
Nausori Airport (1957-2015)	370.1	438.0	713.6	597.3	10/59	64:28:8 (9.7)	Consistent
Tokotoko (Navua) (1945-2015)	511.3	648.5	936.8	779.1	8/70	74:24:2 (22.6)	Consistent
Eastern Division							
Lakeba, Lau (1950-2015)	113.8	289.7	399.2	331.2	3/67	71:21:8 (11.3)	Consistent
Vunisea (Kadavu) (1931-2015)	M	310.2	440.4	388.2	-	78:15:7 (14.8)	-
Ono-i-lau (1943-2015)	145.6	207.9	358.9	293.1	11/68	75:20:5 (13.5)	Consistent
Northern Division							
Labasa Airport (1956-2015)	169.2	263.0	386.8	311.7	5/56	69:28:3 (17.4)	Consistent
Nabouwalu (1918-2015)	M	352.3	541.0	424.0	-	88:9:3 (22.2)	-
Rotuma (1912-2015)	517.7	724.7	936.6	845.5	3/100	35:15:50 (-1.1)	Inconsistent

* 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
January to March 2016 – Tercile Method**

Predictors and Period used: NINO 3.4 (September _November 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)	93	927.8	6	1188	1	29.5	58.5
Lautoka Mill (1900-2015)	92	788.6	7	1064.3	1	24.3	50.8
Nadi Airport (1942-2015)	83	805.2	15	1089.8	2	21.4	50.8
Yasawa-i-rara (1950-2015)	96	632.4	4	901.7	1	28.6	50.0
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2015)	43	847.4	35	1096.3	22	-0.9	44.6
Nausori Airport (1957-2015)	43	883.8	22	1078.5	35	-1.8	30.5
Tokotoko (Navua) (1945- 2015)	35	926.2	19	1246.4	46	-1.2	35.4
<i>Eastern Division</i>							
Lakeba (1950-2015)	71	653.8	28	882.0	2	17.9	50.0
Vunisea (Kadavu) (1931- 2015)	53	621.2	22	834.7	25	-0.5	32.8
Ono-i-lau (1943-2015)	47	495.0	33	684	20	0.4	38.3
<i>Northern Division</i>							
Labasa Airport (1956- 2015)	88	979.4	6	1299.6	6	14.1	49.2
Nabouwalu (1918-2015)	91	828.6	6	1061.6	3	17.9	49.2
Rotuma (1912 -2015)	83	926.8	14	1161.8	3	15.3	47.7

Seasonal Climate Outlook:

January to March 2016 - Median Table:

Predictors and Period used: NINO 3.4 (August to October 2015)

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS	Hit-rate
<i>Western Division</i>					
Penang Mill (1910-2015)	93	1068.6	7	20.4	73.8
Lautoka Mill (1900-2015)	92	945.6	8	18.5	69.2
Nadi Airport (1942-2015)	96	923.4	4	24.8	72.3
Yasawa-i-rara (1950-2015)	96	742.2	4	24.8	80.6
<i>Central Division⁵⁹</i>					
Laucala Bay (Suva) (1942-2015)	63	1012.4	37	-0.5	49.2
Nausori Airport(1957-2015)	50	956.3	50	-1.7	23.7
Tokotoko (Navua) (1945-2015)	36	1086.6	64	0.2	61.5
<i>Eastern Division</i>					
Lakeba (1950-2015)	84	763.4	16	8.9	65.6
Vunisea (Kadavu) (1931-2015)	72	743.9	28	2.5	62.5
Ono-i-lau (1943-2015)	68	609.2	32	0.5	56.7
<i>Northern Division</i>					
Labasa Airport (1956-2015)	88	1124.9	12	11.8	66.1
Nabouwalu (1918-2015)	86	944.0	14	10.2	66.2
Rotuma (1912 -2015)	95	1049.3	5	22.7	69.2

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
January to March 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Lakeba	88	580	7	766	5
Nadi	85	810	9	1045	6
Nabouwalu	91	752	5	952	4
Udu Point	91	695	5	990	4
Vunisea	85	624	9	810	6
Suva	85	840	9	1022	6
Rotuma	88	893	7	1095	5

Summary Statements

Rainfall for November 2015:

Apart from Yasawa and Nabouwalu, which had missing observations, *below normal* rainfall were recorded at the rest of the stations during November 2015.

Suva and Lautoka recorded their lowest ever November rainfall, with Lautoka replacing a 1997 November record.

Accumulated rainfall for September to November 2015 and outlook verification:

Rainfall over the above period was *below normal* at all of the stations.

SCOPIC forecasts for the September to November 2015 period were consistent at nine out of 13 sites and forecast could not be verified for three sites due to missing observation.

Lakeba and Rotuma recorded their 3rd lowest ever September to November rainfall.

Outlooks for January to March 2016:

1. SCOPIC:

Apart from Navua, the seasonal rainfall outlook for January to March 2016 favours *below normal* rainfall across the country. Confidence is very low for the Central Division and Vunisea (Kadavu), and generally *good to high* confidence for the rest of the stations with Rotuma.

2. POAMA:

POAMA model favours *below normal* rainfall favoured 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: $X \geq 35$