

Country Name: Fiji

TABLE 1: Monthly Rainfall

Station (include data period)			SEPTEMBER 2015				
	JULY 2015 Total	AUGUST 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Western Division							
Penang Mill (1910-2015)	3.6	53.0	81.2	39.5	105.4	67.6	62/105
Lautoka Mill (1900-2015)	27.5	50.3	43.4	31.8	82.7	52.8	52/116
Nadi Airport (1942-2015)	15.6	49.9	63.0	36.3	93.8	62.8	38/74
Yasawa-i-rara (1950-2015)	3.0	44.5	34.5	36.1	94.7	61.6	20/63
Central Division							
Laucala Bay (Suva) (1942-2015)	53.3	132.5	127.9	122.4	220.8	160.9	28/74
Nausori Airport (1957-2015)	69.2	138.3	172.8	105.1	208.9	147.4	36/59
Tokotoko (Navua) (1945-2015)	133.4	165.9	188.7	158.3	287.6	217.0	33/71
Eastern Division							
Lakeba (1950-2015)	70.0	95.7	52.9	69.3	122.7	92.5	17/67
Vunisea (Kadavu) (1931-2015)	82.7	135.0	M	80.5	151.8	109.9	M
Ono-i-lau (1943-2015)	38.8	103.9	110.8	69.1	119.7	90.4	29/52
Northern Division							
Labasa Airport (1956-2015)	0	49.4	27.8	37.3	85.2	63.0	15/59
Nabouwalu (1918-2015)	Missing	112.8	M	82.5	155.6	106.2	M
Rotuma (1912-2015)	209.2	269.0	108.6	179.0	240.0	210.8	10/101

Period: *below normal/normal/above normal

M - Missing

**TABLE 2: Three-monthly Rainfall
July to September 2015
Predictors and Period used: NIÑO 3.4 (March to May 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 (1910-2015)	137.8	152.3	233.2	196.5	32/105	50/31/19 (3.9)	Consistent
Lautoka Mill (1900-2015)	121.2	123.2	220.9	171.7	38/116	60/17/23 (6.0)	Consistent
Nadi Airport (1942-2015)	128.5	131.0	212.0	175.1	23/74	59/22/19 (5.6)	Consistent
Yasawa-i-rara (1950-2015)	82.0	121.4	223.2	141.9	10/62	60/23/17 (6.0)	Consistent
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2015)	313.7	384.3	566.4	464.6	17/74	53/23/24 (2.3)	Consistent
Nausori Airport (1957-2015)	380.3	364.2	531.9	441.8	23/59	46/24/30 (-0.3)	Near-Consistent
Tokotoko (Navua) (1945-2015)	488.0	529.3	689.5	625.7	18/70	50/30/20 (3.7)	Consistent
<i>Eastern Division</i>							
Lakeba, Lau (1950-2015)	218.6	203.0	321.6	244.9	26/65	43/38/19 (1.7)	Near-consistent
Vunisea (Kadavu) (1931-2015)	M	272.6	381.7	331.6	M	44/33/23 (1.2)	-
Ono-i-lau (1943-2015)	253.5	251.0	346.4	291.9	26/68	50/27/23 (3.4)	Near-Consistent
<i>Northern Division</i>							
Labasa Airport (1956-2015)	77.2	110.6	201.1	157.8	12/59	49/35/16 (4.1)	Consistent
Nabouwalu (1918-2015)	M	212.0	367.0	279.8	M	52/37/11 (8.8)	-
Rotuma (1912-2015)	586.8	575.4	769.0	656.1	37/108	37/26/37 (-2.1)	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).

M - Missing

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
November 2015 to January 2016 – Tercile Method**

Predictors and Period used: NINO 3.4 (July _September 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)	68	190.3	27	273.7	5	10.7	5.0
Lautoka Mill (1900-2015)	81	139.0	19	231.4	0	30.8	66.7
Nadi Airport (1942-2015)	79	142.4	21	250.1	0	29.7	69.7
Yasawa-i-rara (1950-2015)	83	129.7	15	211.5	2	15.5	43.3
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2015)	36	228.4	46	341.7	18	-1.9	33.3
Nausori Airport (1957-2015)	48	247.7	45	335.8	7	2.9	30.0
Tokotoko (Navua) (1945- 2015)	64	286.2	16	373.4	20	1.3	37.5
<i>Eastern Division</i>							
Lakeba (1950-2015)	27	154.2	70	223.7	3	6.3	42.4
Vunisea (Kadavu) (1931- 2015)	64	147.9	34	211.5	2	14.0	42.4
Ono-i-lau (1943-2015)	83	115.3	12	171.7	5	12.6	46.7
<i>Northern Division</i>							
Labasa Airport (1956- 2015)	57	191.3	43	314.6	0	23.1	54.5
Nabouwalu (1918-2015)	64	216.2	33	296.9	3	10.7	57.6
Rotuma (1912 -2015)	64	300.7	23	359.7	13	1.6	30.3

Seasonal Climate Outlook:

November 2015 to January 2016 - Median Table:

Predictors and Period used: NINO 3.4 (July to September 2015)

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS	Hit-rate
<i>Western Division</i>					
Penang Mill (1910-2015)	92	227.6	8	16.5	71.9
Lautoka Mill (1900-2015)	95	187.2	5	24.7	78.8
Nadi Airport (1942-2015)	96	218.7	4	22.2	75.8
Yasawa-i-rara (1950-2015)	99	167.8	1	35.2	83.3
<i>Central Division</i>					
Laucala Bay (Suva) (1942-2015)	78	283.4	22	3.3	66.7
Nausori Airport(1957-2015)	81	283.5	19	4.9	60.6
Tokotoko (Navua) (1945-2015)	46	309.5	54	-3.3	31.3
<i>Eastern Division</i>					
Lakeba (1950-2015)	84	191.9	16	6.8	60.6
Vunisea (Kadavu) (1931-2015)	77	174.4	23	2.1	69.7
Ono-i-lau (1943-2015)	66	149.5	34	-2.1	63.3
<i>Northern Division</i>					
Labasa Airport (1956-2015)	98	224.0	2	25.4	75.8
Nabouwalu (1918-2015)	77	253.1	23	4.8	69.7
Rotuma (1912 -2015)	66	331.6	34	-0.8	45.5

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
November 2015 to January 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Lakeba	95	450.0	5	628.0	0
Nadi	95	410.0	5	711.0	0
Nabouwalu	95	594.0	5	784.0	0
Udu Point	95	601.0	5	751.0	0
Vunisea	95	479.0	5	611.0	0
Suva	95	683.0	5	933.0	0
Rotuma	94	775.0	5	1056.0	1

Summary Statements

Rainfall for September 2015:

Rainfall during September 2015 was *normal* at majority of the stations. The exception to this were Yasawa, Labasa, Lakeba and Rotuma, where *below normal* rainfall was received.

Accumulated rainfall for July to September 2015 and outlook verification:

Rainfall over the July to September 2015 period was *below normal* in the Western and Northern Divisions, *below normal to normal* in the Central Division and *Normal* in the Eastern Division and Rotuma.

SCOPIIC forecasts for the July to September 2015 period were consistent at seven out of 13 sites, near consistent at 4 sites and forecast could not be verified for two sites due to missing observation.

Outlooks for November 2015 to January 2016:

1. SCOPIIC:

The seasonal rainfall outlook for November 2015 to January 2016 favours *below normal* rainfall across the Western & Northern Division and at Rotuma, while *normal to below normal* rainfall is favoured for Central and Eastern Divisions with generally *moderate to good* confidence.

2. POAMA:

Poama model favors *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: $X \geq 35$