

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

Station (include data period)			October 2014				
	August 2014 Total	September 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Western Division							
Penang Mill (1910-2014)	16.2	0.4	98.5	45.6	112	73.9	65/105
Lautoka Mill (1900-2014)	0.0	22.6	29.6	38.1	107.7	64.8	26/115
Nadi Airport (1942-2014)	0.0	7.6	36.8	41.8	105.6	65.6	21/73
Yasawa-i-rara (1950-2014)	3.8	7.7	101.5	46.5	111.6	76.4	40/64
Central Division							
Laucala Bay (Suva) (1942-2014)	39.0	39.3	219.4	126.6	216.9	164.3	50/73
Nausori Airport (1957-2014)	47.5	92.4	225.9	128.7	222.3	146.3	40/58
Tokotoko (Navua) (1945-2014)	88.6	38.4	505.0	194.0	319.6	249.1	63/70
Eastern Division							
Lakeba (1950-2014)	9.2	58.0	70.6	63.9	142.3	85.0	27/66
Vunisea (Kadavu) (1931-2014)	34.0	85.8	345.0	68.8	145.4	114.4	76/78
Ono-i-lau (1943-2014)	43.1	20.8	51.9	40.5	107.6	76.6	25/69
Northern Division							
Labasa Airport (1956-2014)	1.0	8.7	135.8	68.7	129.5	96.6	40/57
Nabouwalu (1918-2014)	42.7	Missing	Missing	88.4	186.8	129.7	M
Rotuma (1912-2014)	193.0	93.5	244.6	244.7	342.8	287.0	34/100

Period: *below normal/normal/above normal

TABLE 2: Three-monthly Rainfall
August to October 2014
Predictors and Period used: NINO 3.4 (April to June 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)
Western Division							
Penang Mill (1910-2014)	115.1	187.2	277.0	224.0	12/104	39:38:23 (7.1)	Consistent
Lautoka Mill (1900-2014)	52.2	167.3	258.8	224.6	6/115	41:30:29 (6.0)	Consistent
Nadi Airport (1942-2014)	44.4	175.6	290.7	225.1	2/73	41:34:25 (8.5)	Consistent
Yasawa-i-rara (1950-2014)	113	164.8	260.6	222.6	13/61	41:31:28 (7.3)	Consistent
Central Division							
Laucala Bay (Suva) (1942-2014)	297.7	428.4	615.5	511.5	14/73	40:38:22 (8.9)	Consistent
Nausori Airport (1957-2014)	365.8	434.4	600.1	483.9	15/58	35:36:29 (0.4)	Near-consistent
Tokotoko (Navua) (1945-2014)	632	559.9	891.0	642.6	33/69	40:40:20 (8.6)	Near-consistent
Eastern Division							
Lakeba, Lau (1950-2014)	137.8	256.0	348.8	309.9	5/66	39:31:30 (1.6)	Consistent
Vunisea (Kadavu) (1931-2014)	464.8	290.9	436.2	360.5	59/77	40:36:24 (8.5)	Inconsistent
Ono-i-lau (1943-2014)	115.8	235.9	348.2	307.5	6/67	38:34:28 (2.3)	Consistent
Northern Division							
Labasa Airport (1956-2014)	145.5	166.6	242.6	206.5	13/56	39:33:28 (5.0)	Consistent
Nabouwalu (1918-2014)	M	263.0	447.5	351.0	26/95	42:37:21(10.4)	M
Rotuma (1912-2014)	531.1	654.1	839.7	719.9	16/99	31:31:38 (0.3)	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).

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
December 2014 to February 2015**

Predictors and Period used: NINO 3.4 (August to October 2014)

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 (1910-2014)	38	774.7	39	1070.7	23	18.2	51.6
Lautoka Mill (1900-2014)	37	607.9	42	925.3	21	28.3	53.1
Nadi Airport (1942-2014)	38	620.4	39	908.4	23	25.4	50
Yasawa-i-rara (1950-2014)	41	487.5	47	783.5	12	41.2	63.9
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2014)	36	779.8	33	1015.2	31	1.5	28.1
Nausori Airport (1957-2014)	34	779.5	33	991.5	33	-1.7	39.1
Tokotoko (Navua) (1945- 2014)	33	883.4	34	1124.8	33	-1.7	34.9
<i>Eastern Division</i>							
Lakeba (1950-2014)	40	582.1	41	757.3	19	25.2	54.7
Vunisea (Kadavu) (1931- 2014)	37	498.1	33	720.2	30	7.8	46.9
Ono-i-lau (1943-2014)	36	439.1	34	591	30	4.7	49.2
<i>Northern Division</i>							
Labasa Airport (1956- 2014)	37	812.3	41	1127	21	28.3	54.4
Nabouwalu (1918-2014)	40	765.3	37	1013.7	23	21.4	51.6
Rotuma (1912 -2014)	41	901.9	40	1099.1	19	16.6	39.1

Seasonal Climate Outlook:

November 2014 to January 2015 - Median Table:

Predictors and Period used: NINO 3.4 (July to September 2014)

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS	Hit-rate
<i>Western Division</i>					
Penang Mill (1910-2014)	57	870.9	43	17.7	71
Lautoka Mill (1900-2014)	56	781.9	44	13.6	67.2
Nadi Airport (1942-2014)	61	839.9	39	28.3	75
Yasawa-i-rara (1950-2014)	67	699.8	33	39.9	78.7
<i>Central Division</i>					
Laucala Bay (Suva) (1942-2014)	51	865	49	-1	54.7
Nausori Airport (1957-2014)	51	820.6	49	-0.8	55.2
Tokotoko (Navua) (1945-2014)	52	992.6	48	-0.8	50.8
<i>Eastern Division</i>					
Lakeba (1950-2014)	60	665.8	40	19.4	64.1
Vunisea (Kadavu) (1931-2014)	56	613	44	11.7	68.8
Ono-i-lau (1943-2014)	55	523.5	45	8.6	62.3
<i>Northern Division</i>					
Labasa Airport (1956-2014)	61	936.8	39	29.7	70.2
Nabouwalu (1918-2014)	62	874.9	38	23.4	71.9
Rotuma (1912 -2014)	62	996.9	38	24.3	70.3

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
December 2014 to February 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Nadi Airport	30	597	27	860	43
Suva	30	739	27	956	43
Udu Point	15	680	61	927	24
Rotuma	24	817	43	1018	33

Summary Statements

Rainfall for October 2014:

Rainfall during October was *above normal* at the Central Division and Labasa in the Northern Division and *normal* in the Eastern Division, with Penang and Yasawa-i-rara in the Western Division. Lautoka and Nadi still recorded *below normal* rainfall, continuing from last month and Nabouwalu had missing observations.

Rotuma also recorded *below normal* rainfall.

Rainfall at Vunisea (Kadavu) ranked in its third highest historical record.

Accumulated rainfall for July to September 2014, including outlook verification:

Rainfall over the last three months was generally *below normal*, except Navua, which had *normal* rainfall and Vunisea, which had *above normal* rainfall. Rotuma also recorded *below normal* rainfall.

The total three months rainfall, Nadi ranked in the lowest 2 of the historical record and Lakeba ranked in the lowest 5 of the historical record.

The SCOPIC forecasts for the last three months were consistent at 8 stations, 2 near-consistent and 1 inconsistent.

21 of the 26 stations in Fiji's National Climate Monitoring Network are currently in drought on a 3 month timescale and majority on the same condition on a 6 month timescale.

Outlooks for November 2014 to January 2015:

1. SCOPIC:

The seasonal rainfall outlook for December 2014 to February 2015 shows:

- Generally *normal to below normal* is the most likely outcome for the Western Division, Northern Division and Rotuma;
- Climatology for the Central Division and generally the Eastern Division;

The historical accuracy of outlooks is generally *good to very high* over most of the places at this time of the year. The exception to this is Central Division where accuracy is *very low*.

2. POAMA:

POAMA model favours *above normal* rainfall at Nadi Airport and Laucala Bay (Suva), and normal rainfall for Udu Point Rotuma.

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: $X \geq 35$