

Country Name: Fiji

TABLE 1: Monthly Rainfall

Station (include data period)	AUGUST 2015						
	JUNE 2015 Total	JULY 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Western Division							
Penang Mill (1910-2015)	14.6	3.6	53.0	37.9	76.4	53.4	53/106
Lautoka Mill (1900-2015)	9.7	27.5	50.3	23.4	80.6	43.7	62/116
Nadi Airport (1942-2015)	14.8	15.6	49.9	24.6	69.4	48.5	39/74
Yasawa-i-rara (1950-2015)	37.0	3.0	44.5	29.1	58.9	46.0	31/62
Central Division							
Laucala Bay (Suva) (1942-2015)	56.9	53.3	132.5	93.1	149.0	126.7	39/74
Nausori Airport (1957-2015)	81.1	69.2	138.3	89.9	163.3	113.4	36/59
Tokotoko (Navua) (1945-2015)	135.9	133.4	165.9	139.3	217.2	187.1	31/70
Eastern Division							
Lakeba (1950-2015)	74.4	70.0	95.7	53.3	102.7	73.0	44/67
Vunisea (Kadavu) (1931-2015)	Missing	82.7	135.0	56.2	123.2	86.2	59/79
Ono-i-lau (1943-2015)	59.5	38.8	103.9	51.7	105.8	76.7	44/68
Northern Division							
Labasa Airport (1956-2015)	10.8	0	49.4	13.4	63.6	47.7	31/60
Nabouwalu (1918-2015)	51.8	Missing	112.8	53.4	119.2	84.4	61/96
Rotuma (1912-2015)	211.5	209.2	269.0	153.3	255.5	196.0	71/102

Period: *below normal/normal/above normal

M - Missing

TABLE 2: Three-monthly Rainfall
June to August 2015
Predictors and Period used: NIÑO 3.4 (February to April 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)	71.2	159.8	226.1	185.4	8/106	46: 26: 28 (2.7)	Consistent
Lautoka Mill (1900-2015)	87.5	120.7	223.5	169.2	24/116	46:29:25 (4.7)	Consistent
Nadi Airport (1942-2015)	80.3	123.8	207.5	167.9	16/74	48:31:21 (7.4)	Consistent
Yasawa-i-rara (1950-2015)	84.5	131.8	240.0	193.8	12/62	47:35:18 (6.1)	Consistent
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2015)	242.7	366.7	507.9	436.2	8/74	43:33:24 (3.6)	Consistent
Nausori Airport (1957-2015)	288.6	345.2	498.8	428.0	9/59	50:31:19 (8.4)	Consistent
Tokotoko (Navua) (1945-2015)	435.2	495.9	680.8	576.5	17/70	45:35:20 (4.4)	Consistent
<i>Eastern Division</i>							
Lakeba, Lau (1950-2015)	240.1	191.5	304.5	270.5	24/65	50:34:16 (9.8)	Near-consistent
Vunisea (Kadavu) (1931-2015)	Missing	254.5	397.9	309.9	-	48:22:30 (2.8)	-
Ono-i-lau (1943-2015)	202.2	250.9	345.0	289.2	15/66	47:29:24 (3.5)	Consistent
<i>Northern Division</i>							
Labasa Airport (1956-2015)	60.2	115.6	186.9	146.5	7/59	45:29:26 (3.2)	Consistent
Nabouwalu (1918-2015)	Missing	231.5	336.5	283.3	-	55:29:16 (14.1)	-
Rotuma (1912-2015)	689.7	593.7	782.0	709.4	46/101	24:36:40 (1.4)	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
October to December 2015**

Predictors and Period used: NINO 3.4 (June to August 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)	77	353.6	17	572.0	6	13.2	48.4
Lautoka Mill (1900-2015)	80	276.1	17	446.4	3	17.3	41.5
Nadi Airport (1942-2015)	78	325.7	18	482.6	4	16.5	41.5
Yasawa-i-rara (1950-2015)	79	255.5	18	433.8	3	18.2	45.2
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2015)	60	539.6	24	833.9	16	2.6	43.1
Nausori Airport (1957-2015)	63	547.7	21	812.5	16	5.6	43.1
Tokotoko (Navua) (1945- 2015)	54	760.7	36	1028.3	10	5.6	48.4
<i>Eastern Division</i>							
Lakeba (1950-2015)	73	330.6	18	529.5	9	8.9	41.5
Vunisea (Kadavu) (1931- 2015)	56	310.1	37	504.8	7	8.8	48.4
Ono-i-lau (1943-2015)	87	220.1	11	406.3	2	21.5	52.4
<i>Northern Division</i>							
Labasa Airport (1956- 2015)	73	362.9	25	626.8	2	22.1	53.6
Nabouwalu (1918-2015)	73	446.3	23	719.9	4	15.9	48.4
Rotuma (1912 -2015)	47	826.9	26	1054.3	26	-0.4	28.1

Seasonal Climate Outlook:

October to December 2015 - Median Table:

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

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS	Hit-rate
<i>Western Division</i>					
Penang Mill (1910-2015)	88	461.5	12	14.1	69.4
Lautoka Mill (1900-2015)	92	358.0	8	17.9	69.2
Nadi Airport (1942-2015)	91	380.1	9	18.1	73.8
Yasawa-i-rara (1950-2015)	90	352.5	10	15.3	64.5
<i>Central Division</i>					
Laucala Bay (Suva) (1942-2015)	72	705.7	28	2.6	56.9
Nausori Airport(1957-2015)	78	682.5	22	6.0	56.9
Tokotoko (Navua) (1945-2015)	83	873.2	17	8.6	60.9
<i>Eastern Division</i>					
Lakeba (1950-2015)	82	409.1	18	8.9	66.2
Vunisea (Kadavu) (1931-2015)	87	415.3	13	12.5	64.1
Ono-i-lau (1943-2015)	98	348.3	2	35.6	81.0
<i>Northern Division</i>					
Labasa Airport (1956-2015)	94	485.4	6	22.1	67.9
Nabouwalu (1918-2015)	93	546.9	7	18.7	71.9
Rotuma (1912 -2015)	71	943.1	29	2.4	56.3

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Lakeba	85	307	9	419	6
Nadi	79	305	15	410	6
Nabouwalu	94	344	5	648	1
Udu Point	85	437	10	605	5
Vunisea	79	314	15	519	6
Suva	79	505	15	763	6
Rotuma	94	828	5	1026	1

Summary Statements

Rainfall for August 2015:

Rainfall during August 2015 was *normal* at majority of the stations. The exceptions to this were Vunisea and Rotuma, where *above normal* rainfall was received.

Accumulated rainfall for June to August 2015 and outlook verification:

Rainfall over the June to August 2015 period was *below normal* at majority of the stations. Lakeba (Eastern Division) and Rotuma were exceptions to this as they recorded *normal* rainfall.

SCOPIC forecasts for the June to August 2015 period were consistent at majority of the sites, with the exception of Lakeba and Rotuma, where it was near-consistent.

Majority of the sites are in a state of drought at all three timescales on which Fiji Meteorological Service monitors drought, that is, 3, 6 and 12 months.

Outlooks for October to December 2015:

1. SCOPIC:

The seasonal rainfall outlook for October to December 2015 favours *below normal* rainfall across the country, with generally *low to moderate* confidence.

2. POAMA:

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: $X \geq 35$