

Country Name: Fiji

TABLE 1: Monthly Rainfall

Station (include data period)			August 2017				
	June 2017 Total	July 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<i>Western Division</i>							
Penang Mill (1910-2017)	12.5	1.4	48.7	39	78	53	49/108
Lautoka Mill (1900-2017)	24.0	10.2	28.7	23	81	44	47/118
Nadi Airport (1942-2017)	2.4	20.5	60.6	26	72	50	47/76
Viwa (1978 -2017)	20.0	15.8	93.5	28	78	56	27/36
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2017)	109.8	85.1	149.8	93	149	127	52/76
Nausori Airport (1957-2017)	80.0	76.9	169.4	91	165	117	42/61
Tokotoko (Navua) (1945-2017)	161.3	146.5	149.6	143	221	187	27/72
<i>Eastern Division</i>							
Lakeba (1950-2017)	22.0	26.6	81.6	54	105	73	40/69
Vunisea (Kadavu) (1931-2017)	45.7	M	122.9	58	127	87	53/81
Ono-i-Lau (1943-2017)	39.0	20.1	214.4	54	106	79	61/70
<i>Northern Division</i>							
Labasa Airport (1946-2017)	23.2	20.3	80.2	14	64	49	51/62
Savusavu Airfield (1956-2017)	91.1	17.0	86.8	60	108	82	33/62
Rotuma (1912-2017)	319.6	434.6	220.8	154	261	199	59/104

Period: *below normal/normal/above normal

M - Missing

TABLE 2: Three-monthly Rainfall

June to August 2017

Predictors and Period used: NINO3.4 SST Anomalies: March to April 2017

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 (1910-2017)	62.6	160	226	185	6/108	39:30:31 (0.6)	Consistent
Lautoka Mill (1900-2017)	62.9	120	224	169	16/118	39:31:30 (0.9)	Consistent
Nadi Airport (1942-2017)	83.5	121	208	168	17/76	40:32:28 (2.9)	Consistent
Viwa (1978 -2017)	129.3	113	229	171	16/36	40:23:37 (2.9)	Near-consistent
Central Division							
Laucala Bay (Suva) (1942-2017)	344.7	366	514	436	20/76	38:33:29 (1.2)	Consistent
Nausori Airport (1957-2017)	326.3	343	499	428	18/61	41:31:28 (4.4)	Consistent
Tokotoko (Navua) (1945-2017)	457.4	492	683	577	21/72	39:35:26 (2.8)	Consistent
Eastern Division							
Lakeba, Lau (1950-2017)	130.2	202	304	270	11/67	41:37:22 (4.5)	Consistent
Vunisea (Kadavu) (1931-2017)	M	255	398	316	-	39:30:31 (0.8)	-
Ono-i-lau (1943-2017)	273.5	250	344	289	31/68	37:36:27 (1.8)	Near-consistent
Northern Division							
Labasa Airport (1956-2017)	123.7	114	193	147	25/61	39:28:33 (0.0)	Near-consistent
Savusavu Airfield (1956-2017)	194.9	230	375	312	10/59	43:30:27 (8.0)	Consistent
Rotuma (1912-2017)	975.0	599	779	709	90/103	25:38:37 (2.3)	Near-consistent

Period:* **below normal**/normal/**above normal**

* 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 2017 – Tercile Method**

Predictors and Period used: NINO3.4 SST Anomalies: July to August 2017

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 (1910-2017)	29	351	37	576	34	14.7	50.0
Lautoka Mill (1900-2017)	29	275	39	448	32	20.8	47.8
Nadi Airport (1942-2017)	28	326	39	487	33	19.6	49.3
Viwa (1978 -2017)	14	244	45	364	41	28.5	58.3
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2017)	32	539	35	835	33	4.6	46.3
Nausori Airport (1957-2017)	31	559	35	831	34	5.8	48.3
Tokotoko (Navua) (1945-2017)	33	769	35	1032	32	5.7	51.5
<i>Eastern Division</i>							
Lakeba (1950-2017)	31	327	36	532	33	10.4	40.3
Vunisea (Kadavu) (1931-2017)	34	313	36	506	30	10.9	50.8
Ono-i-Lau (1943-2017)	27	215	40	411	33	23.5	58.5
<i>Northern Division</i>							
Labasa Airport (1956-2017)	25	362	41	623	34	23.4	55.2
Savusavu Airfield (1956-2017)	28	420	37	622	35	14.2	45.8
<i>Rotuma</i>							
Rotuma (1912 -2017)	32	818	34	1054	34	1.1	41.5

Seasonal Climate Outlook:

October to December 2017 - Median Table:

Predictors and Period used: NINO3.4 SST Anomalies: July to August 2017

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS (%)	Hit-rate (%)
<i>Western Division</i>					
Penang Mill (1910-2017)	49	462	51	15.6	71.9
Lautoka Mill (1900-2017)	49	358	51	20.4	70.1
Nadi Airport (1942-2017)	50	380	50	21.1	70.1
Viwa (1978 -2017)	42	317	58	19.3	72.2
<i>Central Division</i>					
Laucala Bay (Suva) (1942-2017)	50	706	50	4.2	58.2
Nausori Airport (1957-2017)	49	682	51	7.4	58.3
Tokotoko (Navua) (1945-2017)	50	873	50	10.5	62.1
<i>Eastern Division</i>					
Lakeba (1950-2017)	50	409	50	9.5	65.7
Vunisea (Kadavu) (1931-2017)	50	422	50	14.7	64.6
Ono-i-Lau (1943-2017)	49	348	51	35.8	81.5
<i>Northern Division</i>					
Labasa Airport (1956-2017)	45	485	55	24.0	70.7
Savusavu Airfield (1956-2017)	48	511	52	23.5	72.9
<i>Rotuma</i>					
Rotuma (1912 -2017)	50	939	50	3.8	58.5

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
September to November 2017**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Lakeba	24	307	27	419	49
Nadi	30	305	21	410	49
Nabouwalu	24	344	6	648	70
Udu Point	24	437	5	605	71
Vunisea	30	314	21	519	49
Suva	30	505	21	763	49
Rotuma	21	828	5	1026	74

Summary Statements

Rainfall for August 2017:

Normal to above normal rainfall was recorded across the Fiji Group during August 2017.

Accumulated rainfall for June to August 2017 & outlook verification:

The accumulated rainfall over the June to August 2017 was *below normal* at most of the stations. The exceptions to this were Viwa, Labasa Airport and Ono-i-Lau where *normal* rainfall was registered, while Rotuma recorded *above normal* rainfall.

As at end of August 2017, majority of the stations in the Western Division were in a meteorological drought state at the 3-month timescale.

The rainfall outlooks for the June to August 2017 period were consistent at 8 stations and near-consistent at 3.

Outlooks for September to November 2017:

1. SCOPIC:

The SCOPIC rainfall outlook for October to December 2017 shows:

- No clear guidance for most of the Fiji Group with almost equal chances of *below normal*, *normal* and *above normal* rainfall;
- The exceptions to the above were Viwa, Labasa Airport and Ono-i-Lau where *normal* rainfall is the most favoured outcome; and
- Generally *good to high* confidences in the outlooks at most of the places, with the exception of the Central Division where the confidences range from *low to moderate*.

2. POAMA

The POAMA outlook shows:

- *Above normal* rainfall as the most likely outcome across 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: $X \geq 35$