

Country Name: Fiji

TABLE 1: Monthly Rainfall

Station (include data period)			February 2018				
	December 2017 Total	January 2018 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<i>Western Division</i>							
Penang Mill (1910-2017)	134.1	393.6	320.6	276	404	346	46/109
Lautoka Mill (1900-2017)	187.3	368.7	350.0	221	372	276	74/118
Nadi Airport (1942-2017)	202.4	335.2	529.7	219	348	279	67/76
Viwa (1978 -2017)	88.6	191.0	264.8	165	277	237	21/36
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2017)	411.3	265.2	312.8	244	331	291	46/77
Nausori Airport (1957-2017)	340.7	413.8	264.2	224	324	287	27/62
Tokotoko (Navua) (1945-2017)	347.9	355.9	291.8	266	365	300	36/73
<i>Eastern Division</i>							
Lakeba (1950-2017)	114.2	152.3	311.7	157	277	198	51/69
Vunisea (Kadavu) (1931-2017)	172.4	167.7	375.9	155	265	227	78/83
Ono-i-Lau (1943-2017)	124.0	272.9	-	126	210	176	-
<i>Northern Division</i>							
Labasa Airport (1946-2017)	213.0	166.8	499.3	239	458	348	47/62
Savusavu Airfield (1956-2017)	197.2	157.7	187.3	158	307	260	25/60
Rotuma (1912-2017)	192.0	267.0	378.2	294	384	325	68/106

Period: *below normal/normal/above normal

M - Missing

**TABLE 2: Three-monthly Rainfall
December 2017 to February 2018**

Predictors and Period used: NINO3.4 SST Anomalies: September to October 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)	848.3	784	1071	889	46/105	28:33: 39 (17.5)	Near-consistent
Lautoka Mill (1900-2017)	906.0	610	925	790	73/118	21:38: 41 (26.9)	Near-consistent
Nadi Airport (1942-2017)	1067.3	653	908	844	59/75	25:36: 39 (22.0)	Consistent
Viwa (1978 -2017)	544.4	477	710	615	16/36	21:35: 44 (20.2)	Near-consistent
Central Division							
Laucala Bay (Suva) (1942-2017)	989.3	783	1027	874	49/76	31:34: 35 (1.6)	Near-consistent
Nausori Airport (1957-2017)	1018.7	786	1005	834	42/62	33:32: 35 (-1.3)	Near-consistent
Tokotoko (Navua) (1945-2017)	995.6	886	1140	994	37/71	34:32:34 (-1.4)	Near-consistent
Eastern Division							
Lakeba, Lau (1950-2017)	578.2	571	757	656	23/68	20: 41 :39 (30.1)	Consistent
Vunisea (Kadavu) (1931-2017)	716.0	498	724	616	53/80	27:36: 37 (8.1)	Near-consistent
Ono-i-lau (1943-2017)	M	439	591	506	-	27:36: 37 (6.6)	Unverified
Northern Division							
Labasa Airport (1956-2017)	879.1	798	1127	918	27/59	20:39: 41 (30.0)	Near-consistent
Savusavu Airfield (1956-2017)	542.2	573	849	708	16/58	27:35: 38 (11.2)	Inconsistent
Rotuma (1912-2017)	837.2	901	1099	997	24/102	28:36: 36 (15.9)	Inconsistent

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
April to June 2018– Tercile Method**

Predictors and Period used: NINO3.4 SST Anomalies: January to February 2018

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)	24	344	36	532	40	3.4	43.9
Lautoka Mill (1900-2017)	20	263	32	390	48	11.5	52.9
Nadi Airport (1942-2017)	23	255	33	375	44	9.0	54.4
Viwa (1978 -2017)	17	274	27	450	56	17.7	57.1
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2017)	25	678	32	809	43	4.9	45.6
Nausori Airport (1957-2017)	20	646	34	770	46	9.5	44.3
Tokotoko (Navua) (1945-2017)	24	755	31	985	45	7.8	47.8
<i>Eastern Division</i>							
Lakeba (1950-2017)	21	351	37	501	42	6.4	43.1
Vunisea (Kadavu) (1931-2017)	22	461	35	598	43	7.2	52.2
Ono-i-Lau (1943-2017)	13	312	43	463	44	13.9	31.7
<i>Northern Division</i>							
Labasa Airport (1956-2017)	24	320	37	448	39	0.9	41.0
Savusavu Airfield (1956-2017)	18	396	29	629	53	17.3	56.9
<i>Rotuma</i>							
Rotuma (1912 -2017)	34	746	34	916	32	-1.7	1.5

Seasonal Climate Outlook:

April to June 2018 - Median Table:

Predictors and Period used: NINO3.4 SST Anomalies: December 2017 to January 2018

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS (%)	Hit-rate (%)
<i>Western Division</i>					
Penang Mill (1910-2017)	43	421	57	1.4	57.6
Lautoka Mill (1900-2017)	38	323	62	7.5	63.2
Nadi Airport (1942-2017)	39	313	61	8.5	64.7
Viwa (1978 -2017)	28	383	72	17.3	74.3
<i>Central Division</i>					
Laucala Bay (Suva) (1942-2017)	41	732	59	4.4	57.4
Nausori Airport (1957-2017)	38	706	62	6.4	62.3
Tokotoko (Navua) (1945-2017)	40	869	60	5.7	61.2
<i>Eastern Division</i>					
Lakeba (1950-2017)	41	426	59	4.1	61.5
Vunisea (Kadavu) (1931-2017)	41	541	59	4.3	65.7
Ono-i-Lau (1943-2017)	39	397	61	6.4	61.9
<i>Northern Division</i>					
Labasa Airport (1956-2017)	43	405	57	1.5	60.7
Savusavu Airfield (1956-2017)	35	488	65	11.5	65.5
<i>Rotuma</i>					
Rotuma (1912 -2017)	53	831	47	-0.9	47.8

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
April to June 2018**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Lakeba	55	341	12	507	33
Nadi	48	250	18	385	34
Nabouwalu	55	409	18	627	27
Udu Point	46	397	30	618	24
Vunisea	49	446	18	627	33
Suva	49	646	18	821	33
Rotuma	46	761	30	973	24

Summary Statements

Rainfall for February 2018:

Normal to above normal rainfall totals were recorded across the country.

Accumulated rainfall for December 2017 to February 2018 & outlook verification:

Normal to above normal rainfall was recorded at most parts of the country, except for Savusavu and Rotuma, which recorded *below normal* rainfall.

The rainfall outlooks were near- consistent at eight sites, consistent at two sites and two sites recorded inconsistent. Verification can't be done at Ono-i-Lau due to missing reading during TC Gita.

Outlooks for April to June 2018:

SCOPIC:

The SCOPIC rainfall outlook for April to June 2018 shows:

- **Western/Central/Eastern/Northern Divisions:** the outlook shows *above normal* as the most likely outcome with *normal* the next most likely. *Below normal* is the least likely;
- **Rotuma:** the outlook offers little guidance, as the chances of *above normal*, *normal* and *below normal* are similar.

Moderate to good confidence in the Western Division, moderate to good in the Central and Eastern Division and low to good confidence in the Northern Division. Very low confidence at Rotuma.

POAMA

The POAMA outlook shows:

- *Below normal* rainfall is the favoured 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: $X \geq 35$