

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 134

Country: Fiji

TABLE 1: Monthly Rainfall

Station (include data period)	Aug-2018	Sep-2018	Oct-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
<i>Western Division</i>							
Penang Mill (1910-2018)	5.7	35.2	341.2	45.8	112.0	73.8	107/109
Lautoka Mill (1900-2018)	0.0	25.2	220.8	36.5	107.1	63.9	113/119
Nadi Airport (1942-2018)	5.5	42.2	173.1	39.5	104.5	61.6	66/77
Viwa (1978 -2018)	0.5	28.7	171.1	33.7	94.6	54.6	34/38
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2018)	13.2	259.5	541.9	127.0	217.4	164.2	73/77
Nausori Airport (1957-2018)	34.4	113.9	542.0	127.8	224.2	146.3	60/62
Tokotoko (Navua) (1945-2018)	47.6	287.5	503.6	195.0	324.0	249.1	66/74
<i>Eastern Division</i>							
Lakeba (1950-2018)	6.9	188.5	259.7	63.9	140.0	84.9	63/69
Vunisea (Kadavu) (1931-2018)	35.6	159.8	126.2	70.6	146.0	119.4	43/81
Ono-i-Lau (1943-2018)	41.5	195.0	71.0	41.1	111.5	76.6	36/73
<i>Northern Division</i>							
Labasa Airport (1946-2018)	0.0	49.7	252.7	68.2	132.4	96.6	55/61
Savusavu Airfield (1956-2018)	12.4	122.4	457.9	94.5	176.4	126.2	61/62
Rotuma (1912-2018)	102.1	98.3	175.8	244.6	343.1	287.0	18/104

TABLE 2: Three-month Rainfall for August to October 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 May-June 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
<i>Western Division</i>											
Penang Mill (1910-2018)	382.1	Above normal	181.3	273.6	224.0	91/108	36	35	29	4	Inconsistent
Lautoka Mill (1900-2018)	246.0	Normal	163.8	257.7	221.2	74/119	36	31	33	4	Near-consistent
Nadi Airport (1942-2018)	220.8	Normal	170.3	289.5	220.7	39/77	36	34	30	5	Near-consistent
Viwa (1978 -2018)	200.3	Normal	137.3	266.3	212.6	18/36	33	33	34	-2	Near-consistent
<i>Central Division</i>											
Laucala Bay (Suva) (1942-2018)	814.6	Above normal	416.6	611.5	505.7	64/77	36	36	28	7	Near-consistent
Nausori Airport (1957-2018)	690.3	Above normal	418.1	597.5	474.5	50/62	34	35	31	0	Near-consistent
Tokotoko (Navua) (1945-2018)	838.7	Above normal	559.9	795.4	637.6	49/72	36	37	27	7	Near-consistent
<i>Eastern Division</i>											
Lakeba (1950-2018)	455.1	Above normal	255.1	345.8	309.9	57/68	35	34	31	1	Inconsistent
Vunisea (Kadavu) (1931-2018)	321.6	Normal	293.9	437.1	362.5	32/79	35	35	30	3	Near-consistent
Ono-i-Lau (1943-2018)	307.5	Normal	236.4	351.0	307.4	36/71	34	34	32	0	Near-consistent
<i>Northern Division</i>											
Labasa Airport (1947-2018)	302.4	Above normal	166.6	242.0	197.2	49/59	34	34	32	0	Near-consistent
Savusavu Airfield (1957-2018)	592.7	Above normal	300.8	413.8	353.0	53/61	35	35	30	4	Near-consistent
Rotuma (1912-2018)	376.2	Below normal	656.0	864.0	721.2	2/101	32	32	36	2	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for December to February 2019

Predictor and Period used: NINO3.4 for September to October 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Western Division						
Penang Mill (1910-2018)	65	891.0	35		10	70
Lautoka Mill (1900-2018)	70	781.9	30		17	72
Nadi Airport (1942-2018)	79	839.9	21		30	78
Viwa (1978 -2018)	68	625.0	32		15	72
Central Division						
Laucala Bay (Suva) (1942-2018)	55	876.8	45		0	56
Nausori Airport (1957-2018)	52	852.2	48		-2	50
Tokotoko (Navua) (1945-2018)	55	994.0	45		0	50
Eastern Division						
Lakeba (1950-2018)	74	655.6	26		22	67
Vunisea (Kadavu) (1931-2018)	70	616.2	30		15	73
Ono-i-Lau (1943-2018)	65	547.6	35		7	59
Northern Division						
Labasa Airport (1946-2018)	78	897.5	22		29	73
Savusavu Airfield (1956-2018)	70	703.2	30		15	66
Rotuma (1912-2018)	75	994.4	25		21	64

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Western Division							
Penang Mill (1910-2018)	47	785.3	41	1067.6	12	14	49
Lautoka Mill (1900-2018)	53	610.0	37	923.5	10	27	57
Nadi Airport (1942-2018)	51	658.7	36	913.0	13	20	52
Viwa (1978 -2018)	50	482.5	36	708.6	14	22	61
Central Division							
Laucala Bay (Suva) (1942-2018)	41	783.5	32	1024.7	27	2	40
Nausori Airport (1957-2018)	34	786.6	37	1014.2	29	-1	24
Tokotoko (Navua) (1945-2018)	34	883.4	34	1140.6	32	-2	17
Eastern Division							
Lakeba (1950-2018)	58	582.1	34	757.3	8	29	57
Vunisea (Kadavu) (1931-2018)	49	498.4	29	725.1	22	8	48
Ono-i-Lau (1943-2018)	45	440.8	31	598.1	24	5	46
Northern Division							
Labasa Airport (1946-2018)	54	786.5	37	1105.5	9	30	54
Savusavu Airfield (1956-2018)	47	576.4	35	850.1	18	11	45
Rotuma (1912-2018)	50	897.2	37	1098.7	13	14	40

TABLE 4: Seasonal Climate Outlooks using POAMA2 for December to February 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Lakeba	76	508.0	15	701.0	9
Nadi	82	597.0	6	860.0	12
Nabouwalu	79	679.0	15	885.0	6
Udu Point	76	680.0	9	927.0	15
Vunisea	82	496.0	6	669.0	12
Suva	82	739.0	6	956.0	12
Rotuma	70	817.0	21	1018.0	9

Summary Statements

Rainfall for October 2018:

Above normal rainfall was recorded over the Central, Northern and Western Division. Vunisea and Ono-i-Lau recorded *normal rainfall* while *below normal* was recorded at Rotuma.

Penang and Nausori recorded their third-highest October monthly rainfall, while Savusavu received it's second-highest October monthly rainfall.

Accumulated rainfall for August to October 2018, including outlook verification:

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

Rotuma recorded it's second-lowest August to October total rainfall in its 101 years of record.

The rainfall outlooks were 'Near- Consistent' at 11 sites and 'Inconsistent' at 2 sites.

Outlooks for December to February 2019:

1. SCOPIC:

- At Lautoka, Nadi, Lakeba, Labasa and Savusavu, the outlook favours *below normal*, with *normal* the next most likely.
- At Penang, Viwa, Laucala Bay, Vunisea, Ono-i-Lau and Rotuma, the outlook shows *below normal* as the most likely outcome, with *normal* the next most likely.
- At Nausori and Tokotoko, the outlook offers little guidance as the chances of *above normal*, *normal* and *below normal* are similar.

2. POAMA: The outlook favours *below normal* rainfall across the country.

Stakeholder Engagement- Evaluations of how effective we engage with stakeholders

Country	Date	Stakeholder	Total Number of Participants	Number of male	Number of female
Fiji (Suva)	18/10-19/10/18	SRIF FSC USP FAO RIMES MHMS NDMO MoE Waterways Red Cross Society	16	11	5