

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 131

Country: Fiji

TABLE 1: Monthly Rainfall

Station (include data period)	May-2018	Jun-2018	Jul-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
<i>Western Division</i>							
Penang Mill (1910-2018)	59.2	45.5	7.5	23.7	55.5	35.3	12/109
Lautoka Mill (1900-2018)	83.5	59.3	1.9	15.7	55.1	32.8	15/119
Nadi Airport (1942-2018)	109.5	53.3	0.5	16.1	66.5	33.1	4/77
Viwa (1978 -2018)	141.8	90.1	10.0	19.2	57.2	42.8	11/37
<i>Central Division</i>							
Laucala Bay (Suva) (1942-2018)	485.4	116.9	125.5	89.1	158.5	124.0	41/77
Nausori Airport (1957-2018)	261.7	190.1	98.6	91.3	134.3	119.8	23/62
Tokotoko (Navua) (1945-2018)	312.5	174.8	240.6	143.4	209.0	172.9	56/72
<i>Eastern Division</i>							
Lakeba (1950-2018)	129.8	64.6	13.6	48.0	84.5	57.4	1/67
Vunisea (Kadavu) (1931-2018)	291.0	138.2	53.8	84.4	125.0	96.3	15/81
Ono-i-Lau (1943-2018)	178.5			59.1	115.2	70.6	
<i>Northern Division</i>							
Labasa Airport (1946-2018)	44.8	16.1	4.5	21.2	53.0	32.8	10/63
Savusavu Airfield (1956-2018)	48.5	183.2	37.7	54.7	105.8	83.2	14/63
Rotuma (1912-2018)	56.2	150.5	172.0	172.9	261.0	217.2	35/104

TABLE 2: Three-month Rainfall for May to July 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 February-March 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
<i>Western Division</i>											
Penang Mill (1910-2018)	112.2	Below normal	179.0	296.0	247.0	14/109	18	35	47	11	Inconsistent
Lautoka Mill (1900-2018)	144.7	Below normal	151.0	234.0	194.0	37/119	13	39	48	18	Inconsistent
Nadi Airport (1942-2018)	163.3	Normal	141.0	244.0	184.0	33/76	18	35	47	13	Near-consistent
Viwa (1978 -2018)	241.9	Normal	173.0	253.0	194.0	23/36	10	43	47	17	Near-consistent
<i>Central Division</i>											
Laucala Bay (Suva) (1942-2018)	727.8	Above normal	440.0	611.0	505.0	63/77	15	36	49	15	Consistent
Nausori Airport (1957-2018)	550.4	Normal	420.0	582.0	501.0	38/62	9	39	52	21	Near-consistent
Tokotoko (Navua) (1945-2018)	727.9	Normal	564.0	756.0	652.0	45/72	16	32	52	21	Near-consistent
<i>Eastern Division</i>											
Lakeba (1950-2018)	208.0	Below normal	252.0	365.0	320.0	17/66	8	44	48	22	Inconsistent
Vunisea (Kadavu) (1931-2018)	483.0	Above normal	322.0	429.0	377.0	60/80	23	33	44	5	Consistent
Ono-i-Lau (1943-2018)			223.0	364.0	293.0		16	36	48	14	
<i>Northern Division</i>											
Labasa Airport (1947-2018)	65.4	Below normal	155.0	259.0	199.0	5/62	12	34	54	19	Inconsistent
Savusavu Airfield (1957-2018)	269.4	Below normal	297.0	467.0	365.0	17/59	10	40	50	19	Inconsistent
Rotuma (1912-2018)	378.7	Below normal	689.0	872.0	786.0	7/103	36	32	32	-2	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for September to November 2018

Predictor and Period used: NINO3.4 for June to July 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Western Division						
Penang Mill (1910-2018)	61	292.4	39		18	73
Lautoka Mill (1900-2018)	64	279.8	36		19	74
Nadi Airport (1942-2018)	65	294.6	35		24	74
Viwa (1978 -2018)	54	228.7	46		4	63
Central Division						
Laucala Bay (Suva) (1942-2018)	56	649.3	44		4	62
Nausori Airport (1957-2018)	57	594.2	43		7	59
Tokotoko (Navua) (1945-2018)	64	773.1	36		22	76
Eastern Division						
Lakeba (1950-2018)	59	331.2	41		9	68
Vunisea (Kadavu) (1931-2018)	61	406.2	39		13	66
Ono-i-Lau (1943-2018)	61	294.5	39		14	71
Northern Division						
Labasa Airport (1946-2018)	59	303.7	41		14	68
Savusavu Airfield (1956-2018)	62	422.8	38		20	77
Rotuma (1912-2018)	46	887.1	54		0	60

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)	41	250.4	38	393.9	21	15	47
Lautoka Mill (1900-2018)	43	189.0	36	354.7	21	22	56
Nadi Airport (1942-2018)	46	238.6	37	342.9	17	29	50
Viwa (1978 -2018)	37	184.8	31	303.3	32	10	26
Central Division							
Laucala Bay (Suva) (1942-2018)	39	465.2	34	754.7	27	7	46
Nausori Airport (1957-2018)	39	433.1	37	713.6	24	11	39
Tokotoko (Navua) (1945-2018)	43	638.4	37	941.6	20	22	56
Eastern Division							
Lakeba (1950-2018)	41	286.0	38	409.9	21	10	49
Vunisea (Kadavu) (1931-2018)	43	339.0	34	455.7	23	13	52
Ono-i-Lau (1943-2018)	43	207.5	34	387.7	23	12	49
Northern Division							
Labasa Airport (1946-2018)	40	259.0	39	360.4	21	20	49
Savusavu Airfield (1956-2018)	43	363.2	36	507.4	21	28	58
Rotuma (1912-2018)	33	728.8	31	965.5	36	-1	35

TABLE 4: Seasonal Climate Outlooks using POAMA2 for September to November 2018

Station	Below Normal (prob.)	33%ile Rainfall (mm)	Normal (prob.)	67%ile Rainfall (mm)	Above Normal (prob.)
Lakeba	70	225.0	9	313.0	21
Nadi	76	178.0	15	305.0	9
Nabouwalu	55	284.0	21	439.0	24
Udu Point	48	325.0	9	501.0	42
Vunisea	76	291.0	15	431.0	9
Suva	76	369.0	15	713.0	9
Rotuma	24	723.0	12	970.0	64

Summary Statements

Rainfall for July 2018:

Below normal rainfall was recorded over the Western, Northern and Eastern, while *normal* to *above normal* rainfall was recorded in the Central Division. Rotuma also recorded *below normal* rainfall.

Lakeba recorded its lowest July monthly rainfall, while Nadi recorded its fourth lowest July monthly rainfall.

Accumulated rainfall for May to July 2018, including outlook verification:

Below normal rainfall was recorded in the Northern Division and parts of the Western Division, while *normal* to *above normal* rainfall was recorded in the Eastern Division, Central Division and parts of the Western Division.

Labasa Airfield recorded its fifth lowest May to July total rainfall, in its 62 years of record.

The rainfall outlooks were 'Consistent' at 3 sites, 'Near- Consistent' at 4 sites, 'Inconsistent' at 5 sites, while Ono-i-Lau could not be verified due to missing readings.

Outlooks for September to November 2018:

1. SCOPIC:

- The outlook shows *below normal* as the most likely outcome, with *normal* the next most likely for Lautoka, Nadi, Suva, Navua, Kadavu, Ono-i-Lau and Savusavu.
- The outlook shows a *near-equal likelihood* of *below-normal* and *normal* for Penang Mill, Nausori, Lakeba and Labasa.
- **Western, Central, Northern, Eastern Division and Rotuma:** The forecast offers *little guidance* for Viwa and Rotuma as the chances of above normal, normal and below-normal are similar.

Generally *good* to *very high* confidence in the Western, Central, Northern and Eastern Division and *very low confidence* at Rotuma.

2. **POAMA:** The outlook for most stations favours *below normal* rainfall, except for Rotuma, which favours *above normal* rainfall.

Stakeholder Engagement- Evaluations of how effective we engage with stakeholders

Country	Date	Stakeholder	Total Number of Participants	Number of male	Number of female
Fiji	11/07/18	FemLink Pacific/ Women's Weather Watch Preparedness Workshop			