

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 137

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Nov-2018	Dec-2018	Jan-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2018)	92.8	630.9	453.3	314.4	444.1	380.3	32/47
Pekoa (1971-2018)	34.2	365.8	138.7	231.5	339.6	286.5	9/49
Lamap (1961-2018)	8.0	141.0	130.5	172.7	273.5	215.6	12/59
Southern Region							
Bauerfield (1972-2018)	163.0	157.2	247.3	204.9	310.6	251.8	24/48
Port Vila (1953-2018)	96.5	228.5	218.0	198.3	320.5	243.1	31/67
Whitegrass (1972-2018)	71.4	99.8	93.9	107.0	210.4	168.2	15/48
Aneityum (1952-2018)	161.7	105.9	102.7	156.8	332.5	229.4	14/68

TABLE 2: Three-month Rainfall for November 2018 to January 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 August-September 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Northern Region											
Sola (1971-2018)	1177.0	Normal	1041.5	1358.9	1186.8	22/45	37	33	30	5	Near-consistent
Pekoa (1971-2018)	538.7	Below normal	595.0	819.0	622.6	14/48	39	40	21	18	Near-consistent
Lamap (1961-2018)	279.5	Below normal	439.9	549.9	478.6	6/58	39	38	23	14	Consistent
Southern Region											
Bauerfield (1972-2018)	567.5	Normal	442.1	681.3	553.3	24/46	38	39	23	18	Consistent
Port Vila (1953-2018)	543.0	Normal	426.8	669.8	570.9	31/66	42	38	20	22	Near-consistent
Whitegrass (1972-2018)	265.1	Normal	262.5	400.4	331.6	17/47	41	38	21	22	Near-consistent
Aneityum (1952-2018)	370.3	Below normal	432.7	675.6	601.5	14/67	40	33	27	12	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for March to May 2019**Predictor and Period used: NINO3.4 for December 2018 to January 2019**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
<i>Northern Region</i>						
Sola (1971-2018)	66	715.2	34		15	74
Pekoa (1971-2018)	56	707.0	44		0	62
Lamap (1961-2018)	58	611.9	42		2	60
<i>Southern Region</i>						
Bauerfield (1972-2018)	57	753.4	43		1	56
Port Vila (1953-2018)	62	718.0	38		6	65
Whitegrass (1972-2018)	66	368.0	34		11	68
Aneityum (1952-2018)	52	715.2	48		-1	51

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
<i>Northern Region</i>							
Sola (1971-2018)	46	1146.3	38	1374.7	16	13	45
Pekoa (1971-2018)	42	609.7	30	868.9	28	2	54
Lamap (1961-2018)	43	575.1	31	727.9	26	4	47
<i>Southern Region</i>							
Bauerfield (1972-2018)	40	610.0	34	882.4	26	0	22
Port Vila (1953-2018)	42	623.9	33	822.3	25	4	45
Whitegrass (1972-2018)	46	327.4	38	474.5	16	13	45
Aneityum (1952-2018)	41	600.5	30	863.5	29	1	39

TABLE 4: Seasonal Climate Outlooks using POAMA2 for March to May 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Northern Region					
Sola	67	928.0	24	1363.0	9
Pekoa	67	617.0	28	808.0	5
Lamap	67	574.0	28	721.0	5
Southern Region					
Bauerfield	17	415.0	67	584.0	16
Port Vila	67	506.0	27	772.0	6
Whitegrass	67	304.0	27	405.0	6
Aneityum	54	598.0	40	862.0	6

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: $X \geq 35$

Summary Statements

Rainfall for January 2019:

Rainfall was Below Normal for Pekoa, Lamap, Whitegrass and Aneityum, Above Normal for Sola and Normal for Bauerfield and Port Vila.

Accumulated rainfall for November 2018 to January 2019, including outlook verification:

Accumulated rainfall was Normal for Sola, Bauerfield, Port Vila, Whitegrass and Below Normal for the rest of the stations (Pekoa, Lamap and Aneityum)

The outlooks verification issued in November were Consistent at Pekoa, Lamap, Bauerfield, Whitegrass and Near-consistent at the reminding stations (Sola, Port Vila and Anietyum)

Outlooks for March to May 2019:

1. SCOPIC:

The rainfall outlook for March to May 2019 for all stations shows below normal as the most likely outcome, with above normal as the next most likely. Normal as the least likely.

2. POAMA:

Rainfall outlook for March to May 2019 favours Below Normal rainfall for all other stations.

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: $X \geq 35$

Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Country	Date: January 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Vanuatu	24 th & 31 st Jan	Media (VBTC/TBV, FM96 BUZZ, Vanuatu Live, Telesat KAM TV)	3	2	1
Vanuatu	24-30 Jan	Van KIRAP Work plan review (VMGD Agriculture, Fisheries, Tourism, Water, Health and Infrastructure)	17	10	7
Vanuatu	30/01/2019 (2018-2019 Mid-Term TC Mid-Season Outlook)	Vanuatu Climate Update Stakeholder's List	32		
		NCOF List	63		
Vanuatu	6/02/2019 EAR Watch	Vanuatu Climate Update Stakeholder's List	32		
		NCOF List	63		