

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 143

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	May-2019	Jun-2019	Jul-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2019)	324.5	242.5	161.7	157.0	313.1	253.9	16/45
Pekoa (1971-2019)	118.1	93.4	50.4	60.0	118.6	83.0	15/49
Lamap (1961-2019)		100.0	54.5	57.7	116.5	76.1	20/59
Southern Region							
Bauerfield (1972-2019)	53.8	121.3	23.8	47.2	90.9	61.9	9/47
Port Vila (1953-2019)		143.0	37.4	50.0	127.0	75.6	15/67
Whitegrass (1972-2019)	67.7	18.6	7.3	28.7	59.1	45.8	5/47
Aneityum (1952-2019)	255.2	238.3	50.5	77.2	140.0	101.1	10/68

TABLE 2: Three-month Rainfall for May to July 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 February-March 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
<i>Northern Region</i>											
Sola (1971-2019)	728.7	Below normal	748.7	1181.2	932.7	13/41	42	34	24	3	Consistent
Pekoa (1971-2019)	261.9	Below normal	323.0	566.6	464.8	13/49	54	22	24	9	Consistent
Lamap (1961-2019)			305.4	457.1	378.2		43	34	23	2	
<i>Southern Region</i>											
Bauerfield (1972-2019)	198.9	Below normal	317.9	524.2	427.5	8/47	48	30	22	6	Consistent
Port Vila (1953-2019)			312.8	481.4	394.2		63	22	15	16	
Whitegrass (1972-2019)	93.6	Below normal	181.4	264.8	222.5	5/47	45	43	12	7	Consistent
Aneityum (1952-2019)	544.0	Above Normal	358.3	523.0	438.8	49/68	46	35	19	7	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for September to November 2019
 Predictor and Period used: NINO3.4 for June to July 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Northern Region						
Sola (1971-2019)	67	1019.2	33		12	61
Pekoa (1971-2019)	79	434.9	21		28	73
Lamap (1961-2019)	64	333.4	36		7	67
Southern Region						
Bauerfield (1972-2019)	77	319.4	23		26	76
Port Vila (1953-2019)	79	303.6	21		27	80
Whitegrass (1972-2019)	74	149.2	26		20	72
Aneityum (1952-2019)	80	340.6	20		25	70

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Northern Region							
Sola (1971-2019)	48	871.1	25	1146.8	27	8	39
Pekoa (1971-2019)	60	328.7	29	520.7	11	26	60
Lamap (1961-2019)	50	268.6	34	406.8	16	11	41
Southern Region							
Bauerfield (1972-2019)	52	232.6	31	437.0	17	19	54
Port Vila (1953-2019)	60	236.2	25	393.7	15	20	52
Whitegrass (1972-2019)	55	117.2	39	214.4	6	28	59
Aneityum (1952-2019)	62	263.4	24	425.0	14	24	55

TABLE 4: Seasonal Climate Outlooks using POAMA2 for September to November 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Northern Region					
Sola	52	653.0	12	1094.0	36
Pekoa	70	273.0	9	477.0	21
Lamap	70	280.0	9	360.0	21
Southern Region					
Bauerfield	58	227.0	24	387.0	18
Port Vila	58	219.0	24	310.0	18
Whitegrass	64	93.0	12	157.0	24
Aneityum	49	189.0	27	359.0	24

Summary Statements

Rainfall for July 2019:

Rainfall was normal for Sola, and below normal for the other stations.

Accumulated rainfall for May to July 2019, including outlook verification:

Aneityum recorded above normal rainfall. Verification was Inconsistent.

Rainfall was below normal at Sola, Pekoa, Bauerfield and Whitegrass. All were verified Consistent.

Accumulated rainfall for Lamap and Port Vila was not available.

Outlooks for September to November 2019:

1. SCOPIC:

Across Vanuatu the outlook shows below normal as the favoured or most likely outcome, with normal the next most likely, except at Sola where above normal is the next most likely.

2. POAMA:

Outlook favours below normal for all stations, while Aneityum shows below normal as the most likely outcome, and normal the next most likely.

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

Product	Date: July 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Radio Talk-back Show	17 th	VMGD VBTC	General Public		
Vanuatu Climate Update	17 th	VMGD	34 Stakeholder emails VMGD Website VCAN + VHT Website		
EAR Watch	5 th	VMGD	Stakeholder emails VMGD Website VCAN + VHT Website		
Monthly Climate Summary	10 th	VMGD	Stakeholder emails VCAN + VHT Website		
Vanuatu Ocean Outlook	18 th	VMGD	62 Stakeholder Email VMGD Website		
PSC Day	25 th – 26 th	General Public	General Public		