

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 141

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2019	Apr-2019	May-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2019)	488.0	534.4	324.5	281.0	456.1	370.6	19/47
Pekoa (1971-2019)	111.5	213.5	119.2	119.2	232.0	200.6	17/49
Lamap (1961-2019)	106.0	411.0		111.1	199.7	144.5	
Southern Region							
Bauerfield (1972-2019)	104.3	254.3	53.8	101.1	222.0	156.9	8/47
Port Vila (1953-2019)	156.5	225.0		99.1	183.7	143.3	
Whitegrass (1972-2019)	97.9	71.3		46.9	106.5	72.1	
Aneityum (1952-2019)	182.3	664.2	256.6	118.5	204.0	166.0	53/67

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

Station	Three-month Total	33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 December 18-January 19				Verification: Consistent, Near-consistent, Inconsistent?	
	Rainfall (mm)					B-N	N	A-N	LEPS		
<i>Northern Region</i>											
Sola (1971-2019)	1346.9	Above normal	327.4	474.5	715.2	29/47	46	38	16	13	Inconsistent
Pekoa (1971-2019)	444.2	Below normal	609.7	868.9	707.0	5/49	42	30	28	2	Consistent
Lamap (1961-2019)			575.1	727.9	611.9		43	31	26	4	
<i>Southern Region</i>											
Bauerfield (1972-2019)	412.4	Below normal	610.0	882.4	753.4	3/47	40	34	26	0	Consistent
Port Vila (1953-2019)			623.9	822.3	718.0		42	33	25	4	
Whitegrass (1972-2019)			327.4	474.5	368.0		46	38	16	13	
Aneityum (1952-2019)	1103.1	Above normal	600.5	863.5	715.2	59/67	41	30	29	1	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2019

Predictor and Period used: NINO3.4 for April to May 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
<i>Northern Region</i>						
Sola (1971-2019)	75	617.8	25		14	64
Pekoa (1971-2019)	95	320.7	5		43	79
Lamap (1961-2019)	77	244.9	23		12	69
<i>Southern Region</i>						
Bauerfield (1972-2019)	88	236.4	12		30	74
Port Vila (1953-2019)	83	256.7	17		21	67
Whitegrass (1972-2019)	80	127.8	20		16	67
Aneityum (1952-2019)	70	332.8	30		6	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]
<i>Northern Region</i>							
Sola (1971-2019)	56	528.7	27	838.9	17	9	43
Pekoa (1971-2019)	62	202.1	26	396.2	12	20	48
Lamap (1961-2019)	52	202.7	36	300.7	12	10	50
<i>Southern Region</i>							
Bauerfield (1972-2019)	69	183.2	24	281.5	7	27	54
Port Vila (1953-2019)	62	187.8	31	329.8	7	18	53
Whitegrass (1972-2019)	64	107.3	22	181.4	14	13	50
Aneityum (1952-2019)	58	267.6	26	373.5	16	7	57

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
<i>Northern Region</i>					
Sola	52	406.0	15	605.0	33
Pekoa	64	198.0	12	351.0	24
Lamap	64	197.0	12	282.0	24
<i>Southern Region</i>					
Bauerfield	55	176.0	36	252.0	9
Port Vila	55	171.0	36	256.0	9
Whitegrass	58	89.0	33	147.0	9
Aneityum	67	247.0	18	350.0	15

Summary Statements

Rainfall for May 2019:

Rainfall for May was above normal for Aneityum, normal for Sola and Pekoa, and below normal for Bauerfield. Rainfall totals were not available for other stations.

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

Sola and Aneityum recorded above normal rainfall; both were verified as Inconsistent.

Pekoa and Bauerfield recorded below normal rainfall. Verification was Consistent at both stations.

Outlooks for July to September 2019:

1. SCOPIC:

Outlook favours below normal rainfall for all stations.

2. POAMA:

Outlook favours below normal rainfall for all 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

Product	Date: May 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Radio Talk-back Show	14 th	VMGD VBTC	General Public		
Vanuatu Climate Update	17 th	VMGD	20 Community boards 34 Stakeholder emails VMGD + VCAN + VHT Website		
EAR Watch	17 th	VMGD	20 Community boards 34 Stakeholder emails VCAN + VHT Website		
Monthly Climate Summary	17 th	VMGD	20 Community boards 34 Stakeholder emails VCAN + VHT Website		