

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 142

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Apr-2019	May-2019	Jun-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2019)	534.4	324.5	231.0	204.2	421.3	321.6	19/45
Pekoa (1971-2019)	213.5	119.2	95.2	90.8	248.9	129.9	18/49
Lamap (1961-2019)	411.0		100.0	74.9	169.3	104.0	29/59
Southern Region							
Bauerfield (1972-2019)	254.3	53.8	121.1	99.5	194.2	135.8	20/47
Port Vila (1953-2019)	225.0			87.9	161.7	122.3	
Whitegrass (1972-2019)	71.3	72.1	20.6	54.4	98.0	73.4	6/48
Aneityum (1952-2019)	664.2	256.6	125.2	100.3	173.7	144.8	32/68

TABLE 2: Three-month Rainfall for April to June 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 January- February 2019				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Northern Region											
Sola (1971-2019)	1089.9	Normal	1008.2	1269.1	1183.2	19/45	42	35	23	7	Near-consistent
Pekoa (1971-2019)	427.9	Below normal	474.0	771.7	644.6	14/49	41	31	28	2	Consistent
Lamap (1961-2019)			387.8	575.1	496.0		45	30	25	5	
Southern Region											
Bauerfield (1972-2019)	429.2	Below normal	466.6	747.7	581.0	15/47	36	39	25	2	Near-consistent
Port Vila (1953-2019)			426.2	635.2	535.0		45	32	23	10	
Whitegrass (1972-2019)	164.0	Below normal	214.4	333.3	273.7	8/48	47	33	20	10	Consistent
Aneityum (1952-2019)	1046.0	Above normal	427.4	650.6	572.2	65/67	44	29	27	5	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for August to October 2019**Predictor and Period used: NINO3.4 for May to June 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)	70	811.9	30		11	64
Pekoa (1971-2019)	72	342.9	28		13	56
Lamap (1961-2019)	67	271.0	33		6	55
<i>Southern Region</i>						
Bauerfield (1972-2019)	75	275.8	25		16	61
Port Vila (1953-2019)	80	294.4	20		20	62
Whitegrass (1972-2019)	68	149.4	32		6	61
Aneityum (1952-2019)	71	333.0	29		10	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]
<i>Northern Region</i>							
Sola (1971-2019)	51	628.0	29	929.9	20	8	40
Pekoa (1971-2019)	56	257.5	30	427.2	14	14	48
Lamap (1961-2019)	60	222.8	24	342.3	16	10	43
<i>Southern Region</i>							
Bauerfield (1972-2019)	56	204.3	36	320.8	8	23	54
Port Vila (1953-2019)	56	219.9	37	337.1	7	20	52
Whitegrass (1972-2019)	61	112.0	24	180.6	15	11	44
Aneityum (1952-2019)	53	270.5	29	387.7	18	9	40

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Northern Region					
Sola	21	490.0	15	807.0	64
Pekoa	39	232.0	18	360.0	43
Lamap	39	210.0	18	294.0	43
Southern Region					
Bauerfield	48	193.0	34	285.0	18
Port Vila	48	169.0	34	300.0	18
Whitegrass	55	78.0	21	159.0	24
Aneityum	52	196.0	30	341.0	18

Summary Statements

Rainfall for June 2019:

Rainfall was below normal for Whitegrass, and normal for the other stations. The rainfall total for June was not available for Port Vila.

Accumulated rainfall for April to June 2019, including outlook verification:

Aneityum recorded above normal rainfall. Verification was Inconsistent. The station recorded its third-wettest April to June rainfall on record.

Sola recorded normal rainfall, and was verified as Near-consistent.

Pekoa, Bauerfield and Whitegrass recorded below normal rainfall. Verification was Consistent at Pekoa and Whitegrass, and Near-consistent at Bauerfield.

The three-month rainfall total was not available for Lamap and Port Vila.

Outlooks for August to October 2019:

1. SCOPIC:

Outlook favours below normal rainfall for all stations.

2. POAMA:

Outlook favours above normal for Sola, and below normal for Whitegrass and Aneityum.

For Pekoa and Lamap, outlook shows above normal as the most likely outcome, with below normal as the next most likely.

For Bauerfield and Port Vila, outlook shows below normal as the most likely outcome, with normal as 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: June 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Radio Talk-back Show	11 th	VMGD VBTC	General Public		
School Awareness	24 th	Primary School (Yr.7 and Yr.8)	Eton School – 37 Ekipe School – 37 Manua School – 42		
Vanuatu Climate Update	24 th	VMGD	20 Community boards		
	13 th		34 Stakeholder emails		
	13 th		VMGD + VCAN + VHT Website		
EAR Watch	5 th	VMGD	34 Stakeholder emails		
			VCAN + VHT Website		
Monthly Climate Summary	10 th	VMGD	34 Stakeholder emails		
			VCAN + VHT Website		