

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 133

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2018	Aug-2018	Sep-2018				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2018)	42.4	84.8	357.0	162.8	256.0	219.2	37/46
Pekoa (1971-2018)	23.2	69.0	315.0	60.7	141.9	82.4	47/48
Lamap (1961-2018)	15.0	175.5	133.0	39.1	105.3	72.3	44/58
Southern Region							
Bauerfield (1972-2018)	29.2	61.5	146.4	35.4	96.3	60.2	36/46
Port Vila (1953-2018)	19.0	40.5	129.5	45.4	105.2	74.4	49/66
Whitegrass (1972-2018)	7.6	37.1	64.2	17.9	61.8	29.7	33/46
Aneityum (1952-2018)	71.8	102.1	138.7	59.6	124.2	94.2	49/67

Present rainfall totals to 1 decimal place

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 April-May 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Northern Region											
Sola (1971-2018)	484.2	Below normal	530.0	846.7	619.4	11/44	25	37	38	8	Inconsistent
Pekoa (1971-2018)	407.2	Above normal	202.0	393.2	300.6	36/48	25	37	38	16	Consistent
Lamap (1961-2018)	323.5	Above normal	193.7	298.0	242.3	43/58	29	35	36	9	Consistent
Southern Region											
Bauerfield (1972-2018)	237.1	Normal	181.1	283.0	235.6	24/46	20	40	40	27	Near-consistent
Port Vila (1953-2018)	189.0	Below normal	194.2	332.2	257.8	23/66	27	37	36	19	Near-consistent
Whitegrass (1972-2018)	108.9	Normal	106.7	184.9	128.5	18/46	25	38	37	14	Consistent
Aneityum (1952-2018)	312.6	Normal	267.4	373.9	337.6	28/67	28	36	36	7	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for Nov 18 to Jan 2019

Predictor and Period used: NINO3.4 for Aug to Sep 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Northern Region						
Sola (1971-2018)	54	1127.8	46		4	58
Pekoa (1971-2018)	57	622.6	43		11	70
Lamap (1961-2018)	60	467.1	40		23	76
Southern Region						
Bauerfield (1972-2018)	60	553.3	40		24	76
Port Vila (1953-2018)	64	570.9	36		27	75
Whitegrass (1972-2018)	58	331.6	42		13	63
Aneityum (1952-2018)	57	601.5	43		9	62

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 (1971-2018)	37	1041.5	33	1316.2	30	5	40
Pekoa (1971-2018)	39	595.0	40	819.0	21	18	38
Lamap (1961-2018)	39	436.6	38	549.2	23	14	49
Southern Region							
Bauerfield (1972-2018)	38	442.1	39	683.1	23	18	53
Port Vila (1953-2018)	42	426.8	38	669.8	20	22	49
Whitegrass (1972-2018)	41	262.5	38	400.4	21	22	50
Aneityum (1952-2018)	40	432.7	33	675.6	27	12	50

TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2018 to January 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
<i>Northern Region</i>					
Sola	76	922.0	15	1239.0	9
Pekoa	64	599.0	21	686.0	15
Lamap	64	389.0	21	534.0	15
<i>Southern Region</i>					
Bauerfield	49	447.0	30	673.0	21
Port Vila	49	409.0	30	561.0	21
Whitegrass	43	229.0	33	342.0	24
Aneityum	33	431.0	46	668.0	21

Summary Statements

Rainfall for September 2018:

Rainfall for month of September was above normal for all 7 stations.

Pekoa had the second wettest September in 48 years of record.

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

Accumulated rainfall was below normal at Sola and Port Vila, normal for Bauerfield, Whitegrass and Aneityum, and above normal for Pekoa and Lamap.

Outlooks for November 2018 to January 2019:

1. SCOPIC:

At Port Vila and Aneityum the outlook for the season shows below normal as the most likely outcome with normal as the next most likely. Above normal is the least likely.

At Pekoa, Lamap Whitegrass and Bauerfield, the outlook shows near-equal likelihood of below normal and normal rainfall; above normal is the least likely.

At Sola the outlook for the season shows little guidance as the chances of above normal, normal and below normal are similar.

2. POAMA:

At Sola, Pekoa, and Lamap, the outlook favours below normal rainfall.

At Bauerfield, Port Vila, and Whitegrass the outlook for the season shows below normal as the most likely outcome, with normal the next most likely.

At Aneityum the outlook shows normal rainfall as the most likely outcome with below normal the next most likely.

Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Country	Date	Stakeholder	Total Number of Participants	Number of male	Number of female

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: $X \geq 35$