

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 132

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2018	Jul-2018	Aug-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2018)	128.0	42.4	84.8	133.6	269.1	189.1	12/45
Pekoa (1971-2018)	90.1	23.2	69.0	59.3	104.6	80.4	22/48
Lamap (1961-2018)	99.5	15.0	175.5	48.3	91.7	66.8	56/58
Southern Region							
Bauerfield (1972-2018)	201.8	29.2	61.5	47.1	94.3	66.4	22/46
Port Vila (1953-2018)	161.5	19.0	40.5	48.5	96.5	76.8	19/66
Whitegrass (1972-2018)	185.8	7.6	37.1	23.7	56.7	31.5	26/47
Aneityum (1952-2018)	262.4	71.8	102.1	72.5	138.8	103.8	33/67

TABLE 2: Three-month Rainfall for June to August 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 March-April 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
<i>Northern Region</i>											
Sola (1971-2018)	255.2	Below normal	591.1	1017.9	768.1	2/43	13	45	42	11	Near-consistent
Pekoa (1971-2018)	182.3	Below normal	244.9	460.1	393.5	7/48	14	42	44	13	Inconsistent
Lamap (1961-2018)	290.0	Normal	221.2	352.7	277.6	30/57	22	35	43	8	Near-consistent
<i>Southern Region</i>											
Bauerfield (1972-2018)	292.5	Normal	254.6	381.1	333.7	18/46	20	39	41	5	Near-consistent
Port Vila (1953-2018)	221.0	Below normal	250.0	412.3	316.3	18/66	18	41	41	8	Near-consistent
Whitegrass (1972-2018)	230.5	Normal	136.3	231.7	164.4	31/46	22	37	41	6	Near-consistent
Aneityum (1952-2018)	436.3	Normal	307.9	447.3	388.0	44/67	23	34	43	6	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2018
Predictor and Period used: NINO3.4 for July to August 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
<i>Northern Region</i>						
Sola (1971-2018)	53	1178.0	47		0	59
Pekoa (1971-2018)	58	524.1	42		15	60
Lamap (1961-2018)	57	385.9	43		13	66
<i>Southern Region</i>						
Bauerfield (1972-2018)	60	440.5	40		26	73
Port Vila (1953-2018)	69	428.2	31		40	82
Whitegrass (1972-2018)	63	184.0	37		30	72
Aneityum (1952-2018)	61	395.8	39		20	68

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)	38	901.5	31	1340.6	31	8	32
Pekoa (1971-2018)	40	405.2	42	623.2	18	26	55
Lamap (1961-2018)	40	342.1	40	455.6	20	16	41
<i>Southern Region</i>							
Bauerfield (1972-2018)	37	314.4	38	553.5	25	14	51
Port Vila (1953-2018)	41	312.0	38	493.6	21	20	43
Whitegrass (1972-2018)	39	138.5	42	208.7	19	28	46
Aneityum (1952-2018)	42	294.7	38	540.0	20	23	50

TABLE 4: Seasonal Climate Outlooks using POAMA2 for October to December 2018

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Northern Region					
Sola	30	824.0	25	1228.0	45
Pekoa	45	383.0	25	597.0	30
Lamap	45	316.0	25	421.0	30
Southern Region					
Bauerfield	42	327.0	30	499.0	28
Port Vila	42	303.0	30	461.0	28
Whitegrass	55	116.0	30	186.0	15
Aneityum	40	286.0	40	413.0	20

Summary Statements

Rainfall for August 2018:

Rainfall for month of August was below normal at Sola and Port Vila, normal for Pekoa, Bauerfield, Whitegrass and Aneityum, above normal for Lamap.

Lamap had the second wettest August this year in 58 years.

Accumulated rainfall for June to August 2018, including outlook verification:

Accumulated rainfall was below normal at Sola, Pekoa, and Port Vila, normal for Lamap, Bauerfield, Whitegrass and Aneityum. Sola recorded its second-driest June-August period in 43 years of record, followed by Pekoa with its 7th driest in 48 years.

Outlooks for October to December 2018:

1. SCOPIC:

At Pekoa, Lamap, Bauerfield, Port Vila, and Whitegrass the outlook for the season shows near-equal likelihood of below –normal and normal rainfall. Above normal is the least likely.

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

The outlook offers little guidance at Sola as the chances of above-normal, normal and below –normal are similar.

2. POAMA:

For Whitegrass, the outlook favours below normal with normal the next most likely.

At Sola, the outlook for the season shows above normal as the most likely outcome, below normal as the next most likely.

At Aneityum, the outlook shows near-equal likelihood for below normal and normal rainfall in the next three months.

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

Bauerfield and Port Vila, the outlook shows below-normal as the most likely outcome, with 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
Vanuatu [Radio Talk Back Show]	5 th September 2018	Water Cluster Water Department Climate Services	3	2	1
Vanuatu Media Release on ENSO update	31st August 2018	All sectors and NGOs via email, & website	Aprox.181	-	-

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: $X \geq 35$