

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 134

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Aug-2018	Sep-2018	Oct-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
<b>Northern Region</b>							
Sola (1971-2018)	84.8	357.0	209.0	214.3	463.1	329.3	16/47
Pekoa (1971-2018)	69.0	315.0	128.3	87.1	172.9	131.7	24/48
Lamap (1961-2018)	175.5	133.0	199.0	64.6	172.9	101.9	43/58
<b>Southern Region</b>							
Bauerfield (1972-2018)	61.5	146.4	336.0	55.8	142.7	92.2	44/46
Port Vila (1953-2018)	40.5	129.5	310.5	57.3	129.8	88.5	65/66
Whitegrass (1972-2018)	37.1	64.2	25.6	20.0	62.5	34.7	17/47
Aneityum (1952-2018)	102.1	138.7	234.4	61.7	139.5	89.6	60/67

**TABLE 2: Three-month Rainfall for August to October 2018**

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 May-June 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
<i>Northern Region</i>											
Sola (1971-2018)	650.8	Normal	626.9	936.8	813.4	18/45	33	35	32	7	Consistent
Pekoa (1971-2018)	512.3	Above normal	256.8	421.8	331.5	40/48	35	38	27	16	Near-consistent
Lamap (1961-2018)	507.5	Above normal	216.2	340.2	258.5	51/58	35	35	30	11	Near-consistent
<i>Southern Region</i>											
Bauerfield (1972-2018)	543.9	Above normal	203.1	316.5	273.7	44/46	35	39	26	21	Near-consistent
Port Vila (1953-2018)	480.5	Above normal	219.7	333.7	293.6	62/66	38	40	22	20	Near-consistent
Whitegrass (1972-2018)	126.9	Normal	112.0	181.4	151.2	19/46	35	35	30	12	Near-consistent
Aneityum (1952-2018)	475.2	Above normal	268.0	386.6	328.0	55/67	36	35	29	7	Inconsistent

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for December 2018 to February 2019**  
**Predictor and Period used: NINO3.4 for September to October 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)	56	1112.6	44		1	48
Pekoa (1971-2018)	56	756.0	44		1	53
Lamap (1961-2018)	57	578.9	43		2	55
<i>Southern Region</i>						
Bauerfield (1972-2018)	70	774.8	30		20	68
Port Vila (1953-2018)	70	704.1	30		16	65
Whitegrass (1972-2018)	64	483.1	36		7	59
Aneityum (1952-2018)	63	711.6	37		7	67

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)	39	1000.8	36	1207.7	25	1	31
Pekoa (1971-2018)	40	676.5	33	895.4	27	2	38
Lamap (1961-2018)	48	498.8	29	670.3	23	12	53
<i>Southern Region</i>							
Bauerfield (1972-2018)	49	635.5	32	884.7	19	18	50
Port Vila (1953-2018)	54	607.3	31	810.2	15	19	54
Whitegrass (1972-2018)	51	353.1	32	539.0	17	12	48
Aneityum (1952-2018)	51	559.2	25	868.4	24	9	42

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for December 2018 to February 2019**

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
<b>Northern Region</b>					
Sola	73	855.0	12	1127.0	15
Pekoa	76	693.0	6	918.0	18
Lamap	76	487.0	6	649.0	18
<b>Southern Region</b>					
Bauerfield	70	604.0	24	867.0	6
Port Vila	70	579.0	24	750.0	6
Whitegrass	73	332.0	15	494.0	12
Aneityum	76	475.0	15	899.0	9

## **Summary Statements**

### **Rainfall for October 2018:**

Rainfall recorded for the month of October was below normal for Sola, normal for Pekoa and Whitegrass, and above normal for Lamap, Bauerfield, Port-Vila and Aneityum. Bauerfield and Port Vila recorded 3<sup>rd</sup> and 2<sup>nd</sup> wettest October on record.

### **Accumulated rainfall for August to October 2018, including outlook verification:**

Accumulated rainfall for August to October was normal for Sola and Whitegrass, and above normal for Pekoa, Lamap, Bauerfield, Port-Vila, and Aneityum. Bauerfield and Port Vila recorded the wettest 3<sup>rd</sup> and 5<sup>th</sup> August to October on record.

### **Outlooks for December 2018 to February 2019:**

#### **1. SCOPIC:**

At Port Vila, Whitegrass and Aneityum, the outlook favours below normal, with normal the next most likely.

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

#### **2. POAMA:**

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

**Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders**

<b>Country</b>	<b>Date: October 2018</b>	<b>Stakeholder</b>	<b>Total Number of Participants</b>	<b>Number of male</b>	<b>Number of female</b>

**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:  $X \geq 35$