

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 108

Country Name: Vanuatu

**TABLE 1: Monthly Rainfall**

Station (include data period)	August 2016						
	June 2016 Total	July 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<b>Northern Region</b>							
Sola	137.7	119.6	77.5	136.4	263.3	189.1	10/43
Pekoa	101.8	41.4	68.1	57.6	107.5	81.9	20/46
Lamap	65.4	76.6	125	48.0	91.0	66.8	47/56
<b>Southern Region</b>							
Bauerfield	92.5	27.2	66.4	46.2	97.0	66.8	22/44
Port Vila	76.2	39.8	56.0	49.8	99.6	77.2	20/46
Whitegrass	56.8	16.4	53.2	23.9	58.2	31.5	28/45
Aneityum	100.3	56.8	78.1	72.8	139.9	104.8	26/65

**TABLE 2: Three-monthly Rainfall**

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification* (Consistent, Near-consistent, Inconsistent?)
<b>Northern Region</b>							
Sola	334.8	751.4	1186.0	995.0	3/41	46:30:24(-1.2)	Consistent
Pekoa	211.3	331.4	566.6	466.3	8/46	78:3:19(6.5)	Consistent
Lamap	267	313.1	472.8	392.4	26/55	66:23:11(4.1)	Consistent
<b>Southern Region</b>							
Bauerfield	186.1	317.9	528.0	437.9	8/44	61:29:10(6.4)	Consistent
Port Vila	172	354.2	491.7	408.0	13/64	76:13:11(7.8)	Consistent

\* Forecast is consistent when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is near-consistent when observed and predicted (tercile with the highest probability) differ by only one category (i.e. terciles 1 and 2 or terciles 2 and 3).

Forecast is inconsistent when observed and predicted (tercile with the highest probability) differ by two categories (i.e. terciles 1 and 3).

Whitegrass	<b>126.4</b>	181.4	276.6	224.3	13/44	<b>52:42:5(8.1)</b>	<b>Consistent</b>
Aneityum	<b>235.2</b>	358.3	523.7	443.0	7/65	<b>60:35:4(9.3)</b>	<b>Consistent</b>

**June to August 2016**

**[Please note that the data used in this verification should be sourced from table 3 of OCOF #104]**

Period: \*below normal/normal/above normal

Predictors and Period used for June to August 2016 Outlooks (refer to OCOF #104): Nino 3.4 SST Anomalies, January to March 2016

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
October to December 2016**

**Predictors and Period used: Nino 3.4 SST Anomalies, June to August 2016**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
<b>Northern Region</b>						
Sola	48	1178.0	52		0.1	54.8
Pekoa	42	524.1	58		24.4	71.1
Lamap	45	385.9	55		13.9	64.2
<b>Southern Region</b>						
Bauerfield	45	395.8	55		25.6	70.3
Port Vila	39	440.5	61		29.9	79.1
Whitegrass	42	428.2	58		40.4	79.4
Aneityum	39	183.8	61		33.4	75.0

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
<b>Northern Region</b>							
Sola	27	899.1	37	1350.0	36	7.4	31.0
Pekoa	21	400.3	43	632.3	36	34.7	64.4
Lamap	31	341.1	33	457.0	36	17.6	54.7
<b>Southern Region</b>							
Bauerfield	24	286.5	42	558.1	34	27.4	51.6
Port Vila	28	301.8	35	537.0	37	14.5	55.8
Whitegrass	27	311.1	39	500.4	34	26.7	52.4
Aneityum	21	136.7	42	215.5	37	36.3	61.4

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
October to December 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
<b>Northern Region</b>							
Sola	24	824	12	1228	64		
Pekoa	27	383	15	597	58		
Lamap	27	316	15	421	58		
<b>Southern</b>							

<b>Region</b>							
Bauerfield	30	327	33	499	<b>37</b>		
Port Vila	30	303	33	461	<b>37</b>		
Whitegrass	<b>37</b>	116	30	186	33		
Aneityum	33	286	27	413	<b>40</b>		

## **Summary Statements**

### **Rainfall for August 2016:**

Rainfall for the past month (August) was normal for Pekoa, Bauerfield, Port Vila, Whitegrass and Aneityum. Sola recorded below normal for the month while Lamap recorded above normal rainfall.

### **Accumulated rainfall for June to August 2016, including outlook verification:**

Rainfall for the past three months was below normal for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum).

The Outlook was consistent for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum).

### **Outlooks for October to December 2016:**

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

Using NINO 3.4 SST Anomalies;

The outlooks for Pekoa, Bauerfield, Whitegrass and Aneityum favour normal rainfall for the coming season with above normal being the next most likely.

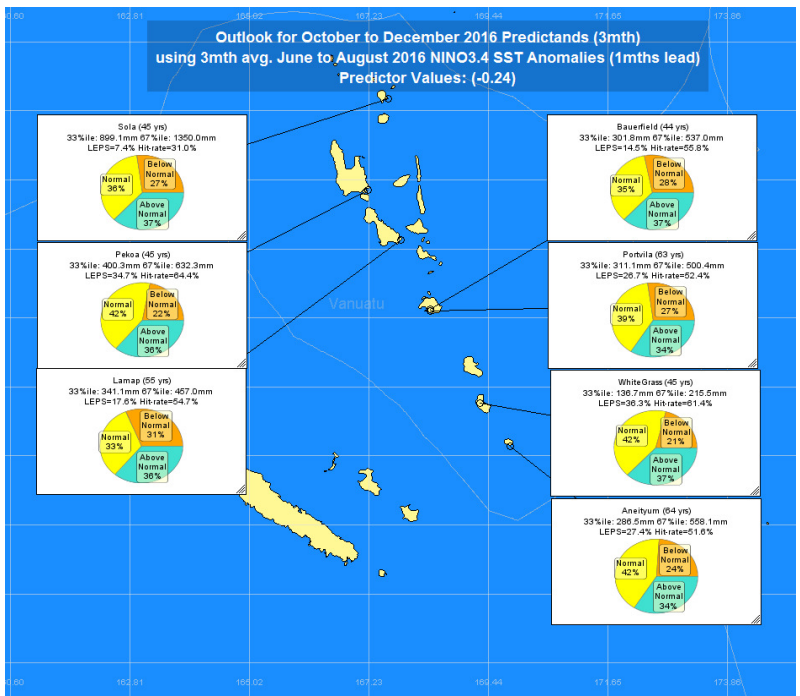
At Sola and Port Vila there is a near equal chance of normal and above normal rainfall.

The outlook offers little guidance for Lamap for the coming season as the changes of below normal, normal and above normal are near equal.

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

The outlook favours above normal for Sola, Pekoa, Lamap and Aneityum.

The outlook offers little guidance for Bauerfield, Port Vila and Whitegrass for the coming season.



**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:  $X \geq 35$