

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 107

**Country Name:** Vanuatu

### TABLE 1: Monthly Rainfall

Station (include data period)	July 2016						
	May 2016 Total	June 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<b>Northern Region</b>							
Sola	65.7	137.7	<b>119.6</b>	197.3	321.8	265.0	7/42
Pekoa	24.0	101.8	<b>41.4</b>	60.3	125.7	84.9	10/45
Lamap	6.0	65.4	<b>76.6</b>	59.6	122.9	92.3	27/55
<b>Southern Region</b>							
Bauerfield	36.6	92.5	<b>27.2</b>	47.4	95.4	63.9	16/43
Port Vila	30.6	76.2	<b>39.8</b>	51.5	127.8	76.1	15/63
Whitegrass	52.3	56.8	<b>16.4</b>	33.8	59.8	51.9	8/44
Aneityum	73.2	100.3	<b>56.8</b>	84.2	144.3	112.8	13/64

### 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	<b>323</b>	751.4	1186.0	995.0	1/42	<b>46:30:24(-1.2)</b>	<b>Consistent</b>
Pekoa	<b>167.2</b>	331.4	566.6	466.3	4/46	<b>78:3:19(6.5)</b>	<b>Consistent</b>
Lamap	<b>148</b>	313.1	472.8	392.4	2/56	<b>66:23:11(4.1)</b>	<b>Consistent</b>
<b>Southern Region</b>							
Bauerfield	<b>156.3</b>	317.9	528.0	437.9	8/44	<b>61:29:10(6.4)</b>	<b>Consistent</b>
Port Vila	<b>146.6</b>	351.4	491.7	408.0	2/64	<b>76:13:11(7.8)</b>	<b>Consistent</b>

\* 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>125.5</b>	181.4	276.6	224.3	9/44	<b>52:42:5(8.1)</b>	<b>Consistent</b>
Aneityum	<b>230.3</b>	358.3	523.7	443.0	6/65	<b>60:35:4(9.3)</b>	<b>Consistent</b>

**May to July 2016**

**[Please note that the data used in this verification should be sourced from table 3 of OCOF #103]**

Period: \*below normal/normal/above normal

Predictors and Period used for May to July 2016 Outlooks (refer to OCOF #103): Nino 3.4 SST Anomalies, January – March 2016

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
September to November 2016**

**Predictors and Period used:**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
<b>Northern Region</b>						
Sola	70	347.0	30		26.7	68.8
Pekoa	66	306.3	34		31.9	72.1
Lamap	59	326.9	41		9.9	70.9
<b>Southern Region</b>						
Bauerfield	69	441.5	31		36.5	73.3
Port Vila	69	305.5	31		30.3	81.0
Whitegrass	60	1024.1	40		13.9	65.1
Aneityum	71	138.9	29		36.7	76.7

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	47	259.3	33	425.0	20	25.8	48.4
Pekoa	41	232.6	40	424.0	19	27.5	60.5
Lamap	42	268.6	36	411.7	22	12.9	45.5
<b>Southern Region</b>							
Bauerfield	44	298.9	41	524.9	15	35.1	66.7
Port Vila	47	236.2	34	393.7	19	24.8	49.2
Whitegrass	39	871.1	31	1190.9	30	6.5	27.9
Aneityum	46	114.7	45	231.4	9	39.1	58.1

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
September to November 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
<b>Northern Region</b>							
Sola	18	653	21	1094	61		
Pekoa	21	273	12	477	67		
Lamap	21	280	12	360	67		
<b>Southern</b>							

Region							
Bauerfield	30	227	18	387	52		
Port Vila	30	219	18	310	52		
Whitegrass	33	93	12	157	55		
Aneityum	33	189	37	359	30		

## **Summary Statements**

### **Rainfall for July 2016:**

Rainfall for the past month was below normal for almost all stations (Sola, Pekoia, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum) and normal for Lamap.

### **Accumulated rainfall for May to July 2016, including outlook verification:**

Rainfall for the past three months was below normal for all stations (Sola, Pekoia, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum). Sola recorded its driest May to July in 42 years.

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

### **Outlooks for September to November 2016:**

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

Using NINO 3.4 SST Anomalies;

The outlooks for Pekoia, Bauerfield and Aneityum shows near equal chances of below normal and normal rainfall for the coming season.

The outlook favours below normal for Sola, Lamap and Port Vila with normal being the next most likely.

The outlook offers little guidance for Whitegrass for the coming season.

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

The outlook favours above normal for most stations with below normal being the next most likely outcome.

The outlook offers little guidance for Aneityum 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:  $X \geq 35$