

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 105

**Country Name:** Vanuatu

### TABLE 1: Monthly Rainfall

Station (include data period)	May 2016						
	March 2016 Total	April 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<b>Northern Region</b>							
Sola	287.9	329.1	65.7	273.2	453.5	366.3	1/45
Pekoa	327.0	348.9	24.0	122.2	225.8	200.7	2/46
Lamap	140.7	242.0	6.0	109.3	195.7	138.8	1/56
<b>Southern Region</b>							
Bauerfield	328.9	186.8	36.6	101.2	221.3	156.9	2/44
Port Vila	119.5	73.2	30.6	100.5	186.2	143.3	2/64
Whitegrass	274.1	59.1	52.3	45.0	106.8	88.2	18/45
Aneityum	296.3	122.9	73.2	114.8	203.3	161.3	9/64

### 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	682.7	1134.0	1372.2	1274.9	1/45	79:17:04(16)	Consistent
Pekoa	699.9	609.7	868.9	714.0	23/46	82:09:09(06)	Near Consistent
Lamap	388.7	577.2	720.8	636.2	6/55	39:35:26(-3.5)	Consistent
<b>Southern Region</b>							
Bauerfield	552.3	610.0	882.4	757.7	11/44	53:36:11(0.3)	Consistent
Port Vila	223.3	636.0	828.9	720.9	2/64	45:41:14(1.5)	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	385.5	320.7	456.6	358.3	26/45	51:45:04(8.5)	Near Consistent
Aneityum	492.4	600.5	889.4	704.1	11/64	50:32:18(-0.9)	Consistent

### March to May 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #101]

Period: \*below normal/normal/above normal

Predictors and Period used for March to May 2016 Outlooks (refer to OCOF #101): **Nino 3.4 SST Anomalies, November 2015 to January 2016**

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

**Predictors and Period used: Nino 3.4 SST Anomalies, March to May 2016**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
<b>Northern Region</b>						
Sola	75	646.6	25		9.6	67.7
Pekoa	94	340.8	6		42.6	85.3
Lamap	87	242.8	13		19.3	64.7
<b>Southern Region</b>						
Bauerfield	97	238.5	3		51.0	79.4
Port Vila	92	259.1	7		27.7	73.5
Whitegrass	77	131.4	21		9.1	65.6
Aneityum	84	343.6	16		16.3	76.5

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	55	560.8	28	847.2	17	5.4	45.2
Pekoa	82	219.8	12	396.2	6	24.8	47.1
Lamap	82	193.8	14	300.7	4	24.5	47.1
<b>Southern Region</b>							
Bauerfield	87	183.2	11	286.0	1	39.4	61.8
Port Vila	82	213.2	17	335.4	2	28.8	58.8
Whitegrass	85	107.7	11	191.9	5	19.2	53.1
Aneityum	64	270.9	27	374.7	9	10.8	47.1

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
<b>Northern Region</b>							
Sola	42	406	12	605	45		
Pekoa	42	198	21	351	36		
Lamap	42	197	21	282	36		
<b>Southern Region</b>							
Bauerfield	39	176	24	252	36		
Port Vila	39	171	24	256	36		
Whitegrass	39	89	30	147	30		
Aneityum	33	247	39	350	27		

### **Summary Statements**

#### **Rainfall for May 2016:**

Rainfall for the past month was below normal for all stations (Sola, Pekoa, Lamap, Bauerfield and Aneityum) except for Whitegrass which recorded normal rainfall.

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

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

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

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

Using Nino 3.4 SST Anomalies;

The outlook for July to September favours below normal rainfall for all stations in the coming three months with normal being the next most likely.

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

- The Outlook favours below normal for Pekoa, Lamap, Bauerfield, Port Vila and Whitegrass with above normal being the next most likely.
- The most likely outcome at Sola is above normal rainfall with below normal the next most likely

- The most likely outcome at Aneityum is normal rainfall with below normal the next most likely.

**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:  $X \geq 35$

