

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 93

**Country Name:** Vanuatu

### TABLE 1: Monthly Rainfall

Station (include data period)	May 2015						
	March 2015 Total	April 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<b>Northern Region</b>							
Sola	388.1	344.0	554.8	219.2	429.5	321.6	37/44
Pekoa	136.2	408.4	210.9	100.4	255.6	171.9	28/45
Lamap	156.1	262.3	238.6	79.4	169.6	106.7	43/55
<b>Southern Region</b>							
Bauerfield	800.1	82.5	276.6	112.5	196.4	137.5	35/43
Port Vila	792.8	100.7	282.2	92.9	163.5	128.8	55/63
Whitegrass	43.1	29.3	310.6	53.7	100.2	73.4	43/44
Aneityum	176.4	92.7	104.1	83.1	141.4	112.5	17/63

### TABLE 2: Three-monthly Rainfall (March – May)

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	1286.9	1127.8	1381.2	1262.8	23/44	46:34:20 (16.3)	Near Consistent
Pekoa	755.5	608.7	871.0	705.9	24/45	41:29:30 (8.3)	Near consistent
Lamap	657.0	572.3	724.3	615.3	28/54	35:33:32(-4.2)	Near Consistent
<b>Southern Region</b>							
Bauerfield	1159.2	605.2	869.3	753.4	42/43	39:32:29 (1.1)	Inconsistent

\* 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).

Port Vila	<b>1175.7</b>	635.3	824.9	718.0	62/63	<b>38:36:26 (2.4)</b>	Inconsistent
Whitegrass	<b>383.0</b>	317.4	461.7	357.7	25/44	<b>42:39:19 (8.2)</b>	Near consistent
Aneityum	<b>373.2</b>	607.6	892.1	715.3	4/6	<b>36:35:29 (-0.6)</b>	Consistent

**March to May 2015**

**[Please note that the data used in this verification should be sourced from table 3 of OCOF #89]**

Period: \*below normal/normal/above normal

**Predictors and Period used for March to May 2015 Outlooks (refer to OCOF #89): Nino 3.4 SST Anomalies, November 2014 – January 2015**

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
July to September 2015**

**Predictors and Period used: Nino 3.4 SST Anomalies, March - May 2015**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
<b>Northern Region</b>						
Sola	71	673.6	29		7.6	66.7
Pekoa	90	344.6	10		30.1	81.8
Lamap	80	244.6	20		17.3	63.6
<b>Southern Region</b>						
Bauerfield	94	238.9	6		40.8	81.8
Port Vila	87	265.9	13		24.0	72.7
Whitegrass	81	130.0	19		14.9	64.5
Aneityum						

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	581.5	31	847.6	22	3.8	40.0
Pekoa	75	231.2	15	396.7	10	22.4	45.5
Lamap	71	199.7	21	304.0	8	22.0	48.5
<b>Southern Region</b>							
Bauerfield	86	189.1	11	290.8	3	35.0	57.6
Port Vila	69	215.4	27	336.1	4	26.7	60.6
Whitegrass	84	107.6	13	184.9	3	27.6	51.6
Aneityum							

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
July to September 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
<b>Northern Region</b>							
Sola	27	406	68	605	5		
Pekoa	5	198	90	351	5		
Lamap	5	197	90	282	5		
<b>Southern Region</b>							
Bauerfield	5	176	90	252	5		
Port Vila	5	171	90	256	5		
Whitegrass	5	89	90	147	5		
Aneityum	5	247	86	350	9		

### Summary Statements

#### **Rainfall for May 2015:**

Rainfall for the past month was normal for Pekoa and Aneityum and above normal for Sola. Lamap, Bauerfield, Port Vila and Whitegrass.

#### **Accumulated rainfall for March to May 2015, including outlook verification:**

- Accumulated rainfall for March to May 2015 was below normal for Aneityum, normal for Sola, Pekoa, Lamap and Whitegrass and above normal for Bauerfield and Port Vila
- The outlook was Consistent for Aneityum, near consistent for Sola, Pekoa, Lamap and Whitegrass and inconsistent for Bauerfield and Port Vila.

**Drought Watch:** Using 6mnth SPI Drought Method, the stations currently undergoing:

#### **Warning:**

- Lamap – since February 2015

#### **Drought:**

- Sola – since April 2015
- Pekoa – since March 2015
- Aneityum – Since May 2015

**No warning:** Bauerfield and Port Vila and Whitegrass

## Outlooks for July to September 2015:

### 1. SCOPIC:

Using Nino 3.4 SST Anomalies;

- The outlook for July to September favours below normal rainfall for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum). The confidence is Low – Very High.

### 2. POAMA:

The outlook favours normal rainfall for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum).

**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:  $X \geq 35$

