

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 68

Country Name: Vanuatu

### TABLE 1: Monthly Rainfall

Station (include data period)			April 2013				
	February 2013 Total	March 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<b>Northern Region</b>							
Sola	556.4	715.1	253.7	340.6	490.5	433.5	7/59
Pekoa	549.6	899	119.3	196.0	293.6	243.2	6/43
Lamap	239.0	536.7	162.2	162.1	226.4	192.1	19/53
<b>Southern Region</b>							
Bauerfield	250.8	281.9	445.3	167.3	271.7	197.4	37/41
Port Vila	211.9	290.1	404.0	148.9	250.5	185.1	54/61
Whitegrass	190.2	185.1	265.0	52.8	124.7	88.2	37/42
Aneityum	227.0	255.4	335.0	156.7	291.6	204.2	46/62

### 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	1525.2	1072.0	1323.4	1260.2	51/59	35:28:37 (-1.3)	Consistent
Pekoa	1567.9	747.8	956.2	854.5	43/43	21:51:28 (-2.9)	Near-consistent
Lamap	937.9	632.2	756.2	703.2	45/53	47:36:17 (3.4)	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).

<b>Southern Region</b>							
Bauerfield	978	800.4	997.7	902.1	26/41	36:31:33 (3.0)	Near Consistent
Port Vila	906	769.9	924.0	857.6	36/61	40:38:22(3.8)	Near-consistent
Whitegrass	640.3	421.5	583.2	488.0	31/42	22:40:38 (3.4)	Near-consistent
Aneityum	817.4	712.2	975.7	857.3	29/62	31:42:27 (-0.8)	Consistent

**February to April 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #64]

Period:\*below normal/normal/above normal

Predictors and Period used for February to April 2013 Outlooks (refer to OCOF #64): SST 1&9 , Oct – Dec 2012

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
June to August 2013**

**Predictors and Period used: SST 1& 9, Feb – Apr 2013**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
<b>Northern Region</b>						
Sola	47.9	752.4	<b>52.1</b>		10.2	60.7
Pekoa	48.3	406.9	<b>51.7</b>		14.1	61.9
Lamap	43.7	293.2	<b>56.3</b>		2.1	48.1
<b>Southern Region</b>						
Bauerfield	42.3	337.5	<b>57.7</b>		0.8	52.5
Port Vila	42.6	335.8	<b>57.4</b>		4.6	61.7
Whitegrass	<b>52.0</b>	172.3	48.0		1.2	47.5
Aneityum	<b>55.1</b>	394.7	44.9		-0.5	47.5

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	20.8	595.2	<b>40.5</b>	964.3	38.7	9.2	37.5
Pekoa	15.3	265.0	<b>45.6</b>	503.9	39.1	17.8	47.6
Lamap	30.5	236.9	<b>35.8</b>	363.7	33.7	5.8	38.5
<b>Southern Region</b>							
Bauerfield	24.5	309.6	37.1	393.0	<b>38.4</b>	3.2	32.5
Port Vila	28.9	270.6	33.3	417.6	<b>37.8</b>	1.5	33.3
Whitegrass	34.5	137.4	27.1	236.8	<b>38.4</b>	-2.5	35.0
Aneityum	<b>42.4</b>	309.1	27.7	464.6	29.9	1.0	37.7

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
June to August 2013**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Port Vila	13.33	241	60.0	362	26.67		

### **Summary Statements**

#### **Rainfall for April 2013:**

- Rainfall for the past month (April) was *above normal* for all stations (Bauerfield, Port Vila, Whitegrass and Aneityum) except for Lamap which recorded *normal* rainfall, as well as Sola and Pekoa, which recorded below normal rainfall.

#### **Accumulated rainfall for February–April 2013, including outlook verification:**

- Total rainfall for the past three months (Feb to Apr 2013) was *above normal* for Sola, Pekoa, Lamap and Whitegrass, while *normal* for Bauerfield, Port Vila, and Aneityum.
- Forecast was *consistent* for Sola, and Aneityum, near consistent for Bauerfield, Pekoa, Port Vila and Whitegrass, *Inconsistent* for Lamap.

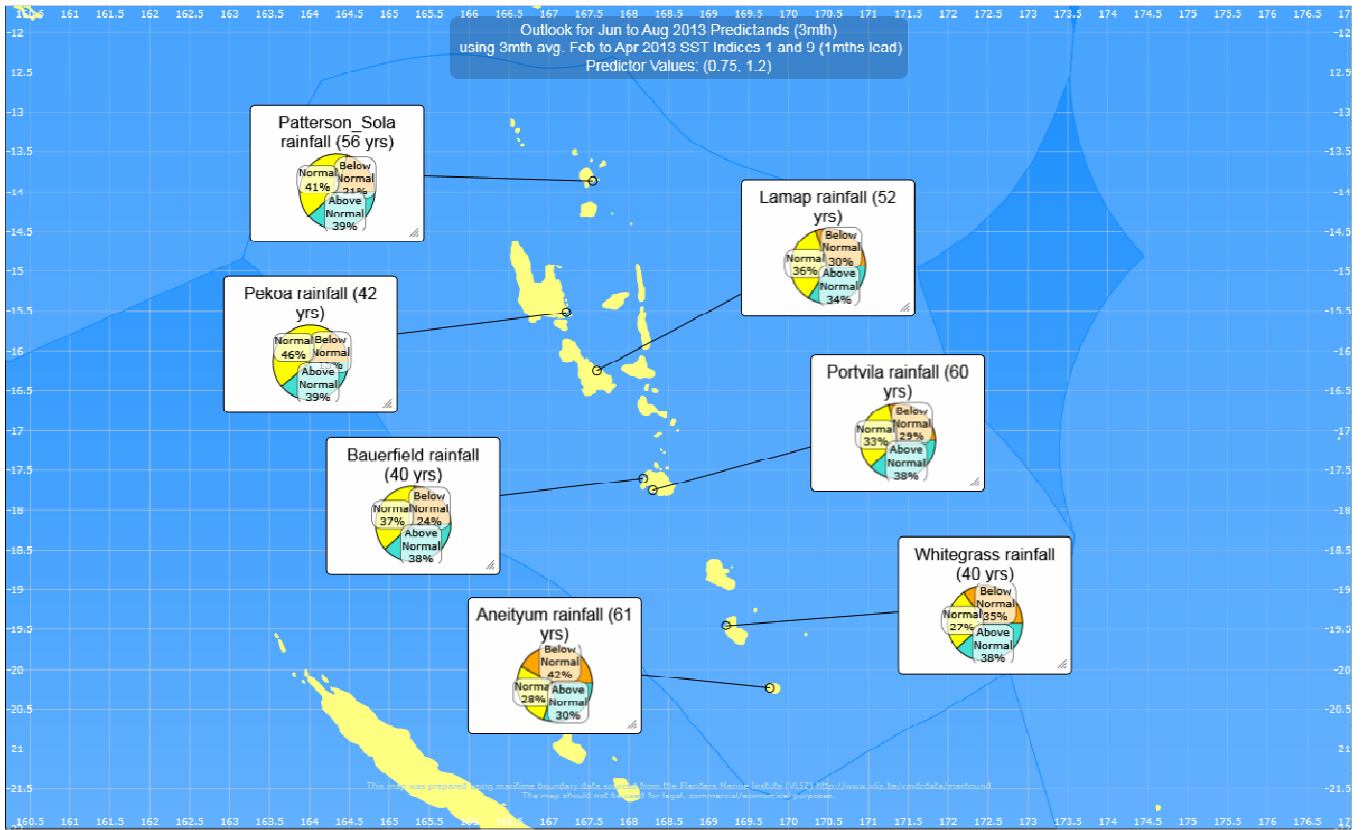
#### **Outlooks for June–August 2013:**

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

- Northern Region: *Normal* rainfall is favored for all stations; Sola, Pekoa and Lamap. ( Confidence: moderate to high)
- Southern Region: *Above normal* rainfall is favored for Bauerfield, Port Vila and Whitegrass, While Aneityum favor's *below normal* rainfall. ( Confidence : Very low to Low)
- Overall: *normal to above normal* rainfall is favored for the next three months. ( Confidence : Low to Moderate)

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

Rainfall for the months June to August 2013 favour normal rainfall for Port Vila Station.



**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:  $X \geq 35$