

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 72

Country Name: Vanuatu

### TABLE 1: Monthly Rainfall

Station (include data period)			August 2013				
	June 2013 Total	July 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<b>Northern Region</b>							
Sola	288.8	494.9	31.8	143.0	268.0	190.4	4/58
Pekoa	214.9	365.5	26.3	60.3	114.9	86.4	7/43
Lamap	207.8	113.3	11.1	51.2	91.0	68.5	5/53
<b>Southern Region</b>							
Bauerfield	71.7	144.4	45.3	52.2	98.4	69.1	13/41
Port Vila	63.1	132.0	19.9	53.8	104.6	82.5	5/61
Whitegrass	120.6	51.0	30.2	19.9	58.2	31.1	21/42
Aneityum	132.5	135.7	129.9	69.3	139.9	104.6	38/62

**TABLE 2: Three-monthly Rainfall  
June 2013 to August 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #68]

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>815.5</b>	595.2	964.3	752.4	32/57	20.8: <b>40.5</b> :38.7(9.2)	<b>Consistent</b>
Pekoa	<b>606.7</b>	265.0	503.9	406.9	34/43	15.3: <b>45.6</b> :39.1(17.8)	<b>Near-consistent</b>
Lamap	<b>332.2</b>	236.9	363.7	293.2	32/53	30.5: <b>35.8</b> :33.7(5.8)	<b>Consistent</b>
<b>Southern Region</b>							
Bauerfield	<b>261.4</b>	309.6	393.0	337.5	12/41	24.5:37.1: <b>38.4</b> (3.2)	<b>Inconsistent</b>
Port Vila	<b>215</b>	270.6	417.6	335.8	14/61	28.9:33.3: <b>37.8</b> (1.5)	<b>Inconsistent</b>
Whitegrass	<b>201.8</b>	137.4	236.8	172.3	23/41	34.5:27.1: <b>38.4</b> (-2.5)	<b>Near-consistent</b>
Aneityum	<b>398.1</b>	309.1	464.6	394.7	32/62	<b>42.4</b> :27.7:29.9(1.0)	<b>Near-consistent</b>

Period: \*below normal/normal/above normal

Predictors and Period used for June 2013 to August 2013 Outlooks (refer to OCOF #68):

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\* 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).

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
October to December 2013**

**Predictors and Period used: SST 1 & 9, June – August 2013**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
<b>Northern Region</b>						
Sola	22.2	1063.6	<b>77.8</b>		11.8	72.9
Pekoa	13.8	529.5	<b>86.2</b>		27.0	71.4
Lamap	24.1	371.4	<b>75.9</b>		13.2	63.5
<b>Southern Region</b>						
Bauerfield	18.0	412.2	<b>82.0</b>		27.8	80.0
Port Vila	19.9	423.0	<b>80.1</b>		28.4	78.3
Whitegrass	7.8	175.2	<b>92.2</b>		40.1	80.0
Aneityum	15.9	393.1	<b>84.1</b>		32.3	77.0

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	3.3	869.3	43.7	1272.9	<b>53.0</b>	22.5	47.5
Pekoa	4.5	400.3	26.2	659.9	<b>69.3</b>	31.1	42.9
Lamap	16.7	336.6	16.8	459.1	<b>66.5</b>	18.3	57.7
<b>Southern Region</b>							
Bauerfield	15.5	339.6	34.9	516.5	<b>49.6</b>	12.6	55.0
Port Vila	13.4	302.8	34.5	490.3	<b>52.1</b>	20.4	46.7
Whitegrass	2.2	132.0	24.5	222.2	<b>73.3</b>	40.2	60.0
Aneityum	4.0	286.0	29.1	486.0	<b>66.9</b>	32.4	52.5

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
October to December 2013**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Port Vila	40	303	30	461	30		

## **Summary Statements**

### **Rainfall for August 2013:**

- Rainfall for the past Month (August ) was *below normal* for all stations (Sola, Pekoia, Lamap, Port Vila and Bauerfield) Except for Whitegrass and Aneitym which recorded *normal* rainfall.

### **Accumulated rainfall for June – August 2013, including outlook verification:**

- Total Rainfall for the past three months (June to August 2013) was *above normal* for Pekoia, *normal* for Sola, Lamap, whitegrass and Aneityum. While Bauerfield and Port Vila recorded *below normal*.
- Forecast was *consistent* for Sola and Lamap , *Near – Consistent* for Pekoia, Whitegrass and Aneityum, and *Inconsistent* for Bauerfield and Port Vila.

## **Outlooks for October to December 2013:**

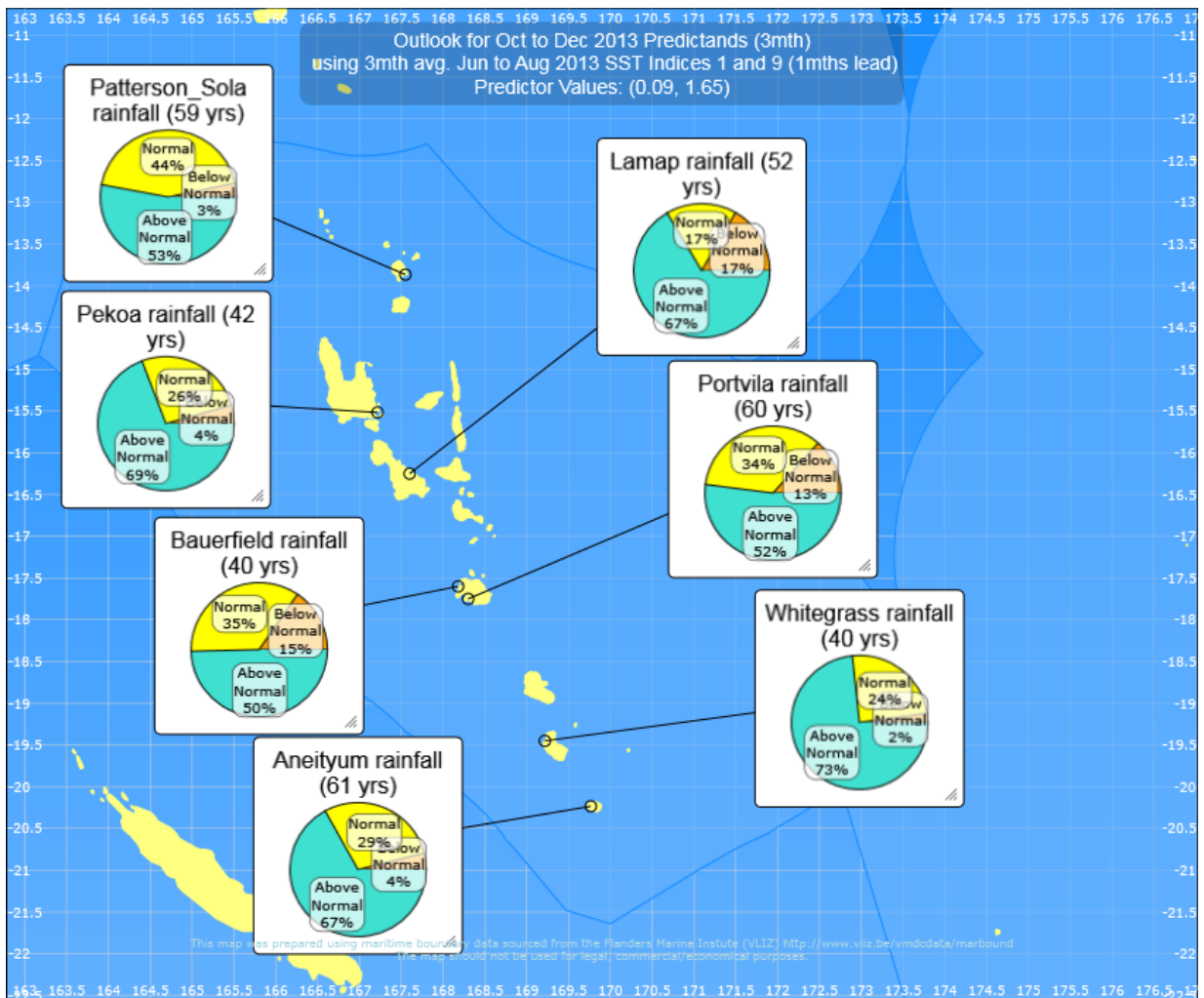
### **1. SCOPIC:**

#### Using SST1& 9

- Northern Region: *Above normal* rainfall is favoured for all stations (Sola , Lamap and Pekoia ( Confidence: High to very high)
- Southern Region: *Above normal* rainfall is favoured for all stations. ( Confidence : Good to Exceptional)
- Overall *above normal* rainfall is favoured for the next three months. ( Confidence : High)

### **2. POAMA:**

- *Below normal* rainfall is favoured for Port Vila station in the coming three months ( October – December 2013).



**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:  $X \geq 35$