

## 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	77.8		11.8	72.9
Pekoa	13.8	529.5	86.2		27.0	71.4
Lamap	24.1	371.4	75.9		13.2	63.5
<b>Southern Region</b>						
Bauerfield	18.0	412.2	82.0		27.8	80.0
Port Vila	19.9	423.0	80.1		28.4	78.3
Whitegrass	7.8	175.2	92.2		40.1	80.0
Aneityum	15.9	393.1	84.1		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	53.0	22.5	47.5
Pekoa	4.5	400.3	26.2	659.9	69.3	31.1	42.9
Lamap	16.7	336.6	16.8	459.1	66.5	18.3	57.7
<b>Southern Region</b>							
Bauerfield	15.5	339.6	34.9	516.5	49.6	12.6	55.0
Port Vila	13.4	302.8	34.5	490.3	52.1	20.4	46.7
Whitegrass	2.2	132.0	24.5	222.2	73.3	40.2	60.0
Aneityum	4.0	286.0	29.1	486.0	66.9	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:**

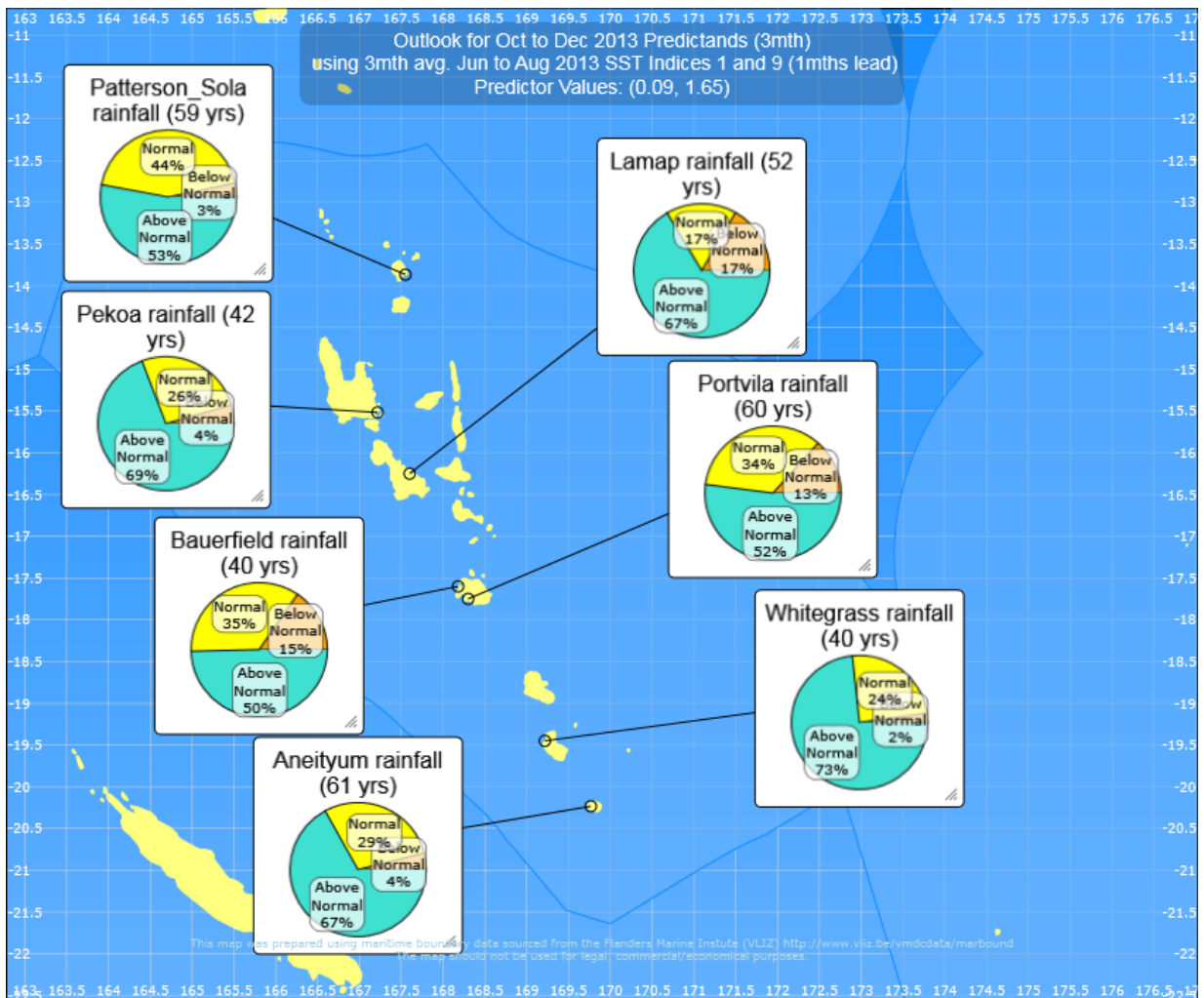
### **1. SCOPIC:**

#### 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:  $X \geq 35$