

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 81

Country Name: Vanuatu

### TABLE 1: Monthly Rainfall

Station (include data period)			May 2014				
	March 2014 Total	April 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<b>Northern Region</b>							
Sola	446.5	419.8	168.0	278.6	453.5	370.6	5/43
Pekoa	492.3	148.7	50.9	124.7	244.3	203.0	6/44
Lamap	406.6	149.3	177.7	109.3	195.7	133.3	34/54
<b>Southern Region</b>							
Bauerfield	473.9	164.2	129.5	101.2	221.3	165.2	19/42
Port Vila	339.0	105.5	197.6	100.5	182.5	138.5	44/62
Whitegrass	250.2	22.9	44.3	43.7	106.8	77.3	15/43
Aneityum	230.2	73.8	165.5	120.4	205.5	166.6	31/62

### 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	1034.3	1140	1383	1281	13/43	9:59:32(12.3)	Near-consistent
Pekoa	691.9	606	869	706	21/43	11:31:58(5.5)	Near-consistent
Lamap	733.6	567	717	612	37/53	31:28:41(0.6)	Consistent
<b>Southern Region</b>							

\* 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).

Bauerfield	767.6	600	876	749	23/42	27:25:48(-4.5)	Near-consistent
Port Vila	642.1	635	826	721	23/62	27:36:37(1.0)	Near-consistent
Whitegrass	317.4	322	468	358	15/43	9:30:61(17.4)	Inconsistent
Aneityum	469.5	613	895	726	7/62	26:25:49(-1.3)	Inconsistent

### March to May 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #77]

Period: \*below normal/normal/above normal

Predictors and Period used for March to May 2014 Outlooks (refer to OCOF #77): SST 1 & 9, Oct – Dec 2013

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2014**

Predictors and Period used: SST 1 & 9, Jul - Sep

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
<b>Northern Region</b>						
Sola	24	681.4	76		9.7	60.0
Pekoa	36	348.4	64		17.0	55.8
Lamap	39	242.8	61		9.1	56.6
<b>Southern Region</b>						
Bauerfield	39	239.3	61		19.2	63.4
Port Vila	56	259.1	44		11.3	60.7
Whitegrass	48	128.5	52		15.8	56.1
Aneityum	44	343.6	56		2.1	53.2

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	11	592.1	51	848.1	38	8.3	32.5
Pekoa	6	228.7	48	397.3	46	18.5	37.2
Lamap	28	196.8	34	299.3	38	3.1	30.2
<b>Southern Region</b>							
Bauerfield	18	186.2	48	295.5	34	17.0	46.3
Port Vila	22	213.8	51	336.9	27	3.8	41.0
Whitegrass	12	107.4	50	187.9	38	15.3	46.3

Aneityum	22	268.7	56	374.3	22	4.8	38.7
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**TABLE 4: Seasonal Climate Outlooks using POAMA2 for July to September 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
<b>Northern Region</b>							
Sola	36	406	30	605	33		
Pekoa	21	198	55	351	24		
Lamap	21	197	55	282	24		
<b>Southern Region</b>							
Bauerfield	5	176	83	252	12		
Port Vila	5	171	83	256	12		
Aneityum	5	291	83	429	5		

## Summary Statements

### Rainfall for May 2014:

- Rainfall for the past month (May) was *normal* for Lamap, Bauerfield, Whitegrass and Aneityum, and *below normal* for Sola and Pekoa. Port Vila recorded above normal rainfall.

### Accumulated rainfall for March to May 2014, including outlook verification:

- Rainfall for the past three months was *normal* for Pekoa, Bauerfield and Port Vila, below normal for Sola, Whitegrass and Aneityum and above normal for Lamap.
- Confidence was consistent for Lamap, near consistent for Sola, Pekoa, Bauerfield and Port Vila, and inconsistent for Aneityum and Whitegrass.

### Outlooks for July-September 2014:

#### 1. SCOPIC:

##### Using 1 & 9

The seasonal rainfall outlook for July to September 2014 shows:

- The most likely outcome at Sola, Pekoa, Bauerfield, Whitegrass and Port Vila is normal with above normal the next most likely.
- The most likely outcome at Aneityum is normal with equal chances of above and below normal next most likely.

- The most likely outcome at Lamap is above normal with normal the next most likely.

## 2. POAMA:

- Normal rainfall is favoured for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila and Aneityum) for the next three months.

**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:  $X \geq 35$