

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 77

Country Name: Vanuatu

### TABLE 1: Monthly Rainfall

Station (include data period)			January 2014				
	November 2013 Total	December 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<b>Northern Region</b>							
Sola	479.5	213.5	475.8	317.0	451.3	388.6	30/43
Pekoa	202.0	123.7	494.0	243.2	341.1	290.3	37/44
Lamap	336.5	97.8	409.4	177.3	275.2	223.3	48/54
<b>Southern Region</b>							
Bauerfield	295.8	179.0	560.0	211.5	325.6	254.4	41/43
Port Vila	289.5	127.9	394.1	200.4	318.0	243.2	49/62
Whitegrass	34.9	71.2	460.6	109.2	200.6	164.7	42/43
Aneityum	52.3	418.4	575.5	161.6	345.2	251.4	57/63

### TABLE 2: Three-monthly Rainfall November 2013 to January 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #73]

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	1168.8	945.1	1249.5	1082.7	21/41	5.9:32.7:61.4(18.7)	Near-consistent
Pekoa	819.7	604.1	811.0	625.1	28/42	4.1:31.7:64.2(28.1)	Consistent
Lamap	843.7	449.4	551.3	491.4	46/51	17.7:19.0:63.3(13.6)	Consistent
<b>Southern Region</b>							
Bauerfield	1034.8	450.6	687.6	549.8	39/41	12.3:12.3:75.4(21.2)	Consistent
Port Vila	811.5	442.9	669.2	573.9	51/61	21.4:24.8:53.8(22.7)	Consistent
Whitegrass	566.7	248.0	395.9	310.9	37/42	5.6:45.1:49.3(22.2)	Consistent
Aneityum	1046.2	436.9	680.4	600.7	55/62	22.7:23.5:53.8(13.6)	Consistent

\* 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).

Period: \*below normal/normal/above normal

Predictors and Period used for November 2013 to January 2014 Outlooks (refer to OCOF #73): SST 1 & 9, Jul –Sept 2014

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
March to May 2014**

**Predictors and Period used: SST 1& 9, Nov 2014- Jan 2014**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
<b>Northern Region</b>						
Sola	37	1281	63		11.5	64.3
Pekoa	25	706	75		1.9	50.0
Lamap	49	612	51		-3.5	40.4
<b>Southern Region</b>						
Bauerfield	29	749	71		1.7	53.7
Port Vila	44	721	56		2.4	57.4
Whitegrass	23	358	77		26.3	71.4
Aneityum	30	726	70		-0.6	49.2

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	9	1140	59	1383	32	12.3	42.9
Pekoa	11	606	31	869	58	5.5	42.9
Lamap	31	567	28	717	41	0.6	34.6
<b>Southern Region</b>							
Bauerfield	27	600	25	876	48	-4.5	12.2
Port Vila	27	635	36	826	37	1.0	31.1
Whitegrass	9	322	30	468	61	17.4	47.6
Aneityum	26	613	25	895	49	-1.3	18.0

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
March to May 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
<b>Northern Region</b>							
Sola	27	928	9	1363	64		
Pekoa	21	617	12	808	67		
Lamap	21	574	12	721	67		
<b>Southern Region</b>							
Bauerfield	33	590	6	817	61		
Port Vila	33	506	6	772	61		
Aneityum	18	598	30	862	52		

## Summary Statements

### Rainfall for January 2014:

- Rainfall for the past month (January) was Above normal for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass, Aneityum).

### Accumulated rainfall for November 2013 to January 2014, including outlook verification:

- Rainfall for the past three months (Nov 2013- Jan 2014) was above normal for all stations (Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass, Aneityum) except Sola which recorded normal rainfall.
- Confidence was Consistent for all ( Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass, Aneityum ) stations except Sola which was near-consistent.

### Outlooks for March-May 2014:

#### 1. SCOPIC:

- Northern Region: *Normal* rainfall is favoured for Sola while *above normal* rainfall is favoured for Pekoa and Lamap. (Confidence: Low - good)
- Southern Region: *Above Normal* rainfall is favoured for all stations (Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum). ( Confidence: Very low – High)
- Overall *above normal* rainfall is favoured for the next three months (March – May 2014). ( Confidence : Low)

#### 2. POAMA:

- Above normal rainfall is favoured for all stations ( Sola < Pekoa, Lamap, bauerfield, Port Vila and Aneityum) for the coming three months ( March – May).

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:  $X \geq 35$

