

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
Northern Region							
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
Southern Region							
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?)
Northern Region							
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
Southern Region							
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
Northern Region						
Sola	37	1281	63		11.5	64.3
Pekoa	25	706	75		1.9	50.0
Lamap	49	612	51		-3.5	40.4
Southern Region						
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
Northern Region							
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
Southern Region							
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)		
Northern Region							
Sola	27	928	9	1363	64		
Pekoa	21	617	12	808	67		
Lamap	21	574	12	721	67		
Southern Region							
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: $X \geq 35$

