

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 76

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	December 2013						
	October 2013 Total	November 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	657.8	479.5	213.5	217.2	488.1	354.3	15/41
Pekoa	143.8	202.0	123.7	147.6	233.2	179.2	14/42
Lamap	101.9	336.5	97.8	97.7	172.4	122.3	18/51
Southern Region							
Bauerfield	123.7	295.8	179.0	106.2	205.1	156.4	24/41
Port Vila	74.5	289.5	127.9	107.1	212.2	165.1	24/61
Whitegrass	85.3	34.9	71.2	47.8	97.6	73.3	21/43
Aneityum	158.6	52.3	418.4	108.0	216.9	155.5	57/62

TABLE 2: Three-monthly Rainfall October to December 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #72]

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	1350.8	869.3	1272.9	1063.6	18/41	3.3:43.7:53.0(22.5)	Consistent
Pekoa	469.5	400.3	659.9	529.5	28/41	4.5:26.2:69.3(31.1)	Near-consistent
Lamap	536.2	336.6	459.1	371.4	39/51	16.7:16.8:66.5(18.3)	Consistent
Southern Region							
Bauerfield	598.5	339.6	516.5	412.2	31/41	15.5:34.9:49.6(12.6)	Consistent
Port Vila	491.9	302.8	490.3	423.0	41/61	13.4:34.5:52.1(20.4)	Consistent
Whitegrass	191.4	132.0	222.2	175.2	25/42	2.2:24.5:73.3(40.2)	Near-consistent
Aneityum	629.3	286.0	486.0	393.1	48/62	4.0:29.1:66.9(32.4)	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 October to December 2013 Outlooks (refer to OCOF #72):
SST 1 & 9, Jun – Aug 2013

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
February to April 2014**

Predictors and Period used: SST 1 & 9, Feb – Apr 2014

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	42	1140.1	58		-3.4	43.9
Pekoa	41	855.0	59		-3.8	48.8
Lamap	55	710.6	45		0.2	57.7
Southern Region						
Bauerfield	30	934.2	70		-1.6	48.8
Port Vila	49	860.0	51		5.4	67.2
Whitegrass	27	500.9	73		7.8	73.8
Aneityum	16	846.8	54		-3.3	36.1

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	11	1042.8	33	1329.8	56	4.7	31.0
Pekoa	12	747.8	64	956.2	24	-2.8	39.0
Lamap	40	642.5	30	757.3	30	1.3	40.4
Southern Region							
Bauerfield	20	821.5	26	999.8	54	-1.2	31.7
Port Vila	24	782.0	47	925.8	29	5.1	42.6
Whitegrass	10	427.1	40	591.6	50	10.6	31.0
Aneityum	26	721.0	37	971.5	37	-0.7	33.9

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
February to April 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Northern Region							
Sola	18	927	58	1315	24		
Pekoa	27	719	55	976	18		
Lamap	27	609	55	744	18		
Southern Region							
Bauerfield	33	796	49	983	18		
Port Vila	33	773	49	911	18		
Aneityum	36	733	52	979	12		

Summary Statements

Rainfall for December 2013:

- Rainfall for the past Month (December) was *above normal* for Aneityum, *normal* for Lamap, Bauerfield, Port Vila and Whitegrass, and *below normal* for Pekoa and Sola.

Accumulated rainfall for October–December 2013, including outlook verification:

- Total Rainfall for the past three months (October to December 2013) was *above normal* for Sola, Lamap, Bauerfield, Port Vila and Aneityum, and *normal* for Pekoa and Whitegrass. Forecast was *Consistent* for Sola, Lamap, Bauerfield, Port Vila and Aneityum, and *near-consistent* for Whitegrass and Pekoa.

Outlooks for February-April 2014:

1. SCOPIC:

- Northern Region: *Above normal* rainfall is favored for Sola, normal rainfall is favored for Pekoa and below normal rainfall is favoured for Lamap. (Confidence: Very low to low)
- Southern Region: *Above normal* rainfall is favored for Bauerfield and Whitegrass while normal rainfall is favored for Port Vila and Aneityum. (Confidence: very low to moderate)
- Overall *normal to above normal rainfall* is favored for the next three months. (Confidence: Very low to moderate)

2. POAMA:

- *Normal* rainfall is favoured for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila and Aneityum) for the next three months (February to April 2014)

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: $X \geq 35$