

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 84

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	August 2014						
	June 2014 Total	July 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Sola	220.1	263.8	35.5	138.7	269.1	190.4	3/42
Pekoa	110.2	63.8	37.6	58.7	112.5	81.9	11/44
Lamap	53.9	151.3	25.0	48.1	92.3	68.5	9/54
Southern Region							
Bauerfield	51.4	125.4	41.2	47.0	97.9	68.5	12/42
Port Vila	54.4	135.5	33.7	51.2	102.4	81.9	9/54
Whitegrass	19.3	40.2	6.0	24.1	57.5	31.5	3/43
Aneityum	96.3	73.8	74.6	72.2	139.3	104.8	23/63

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?)
Sola	519.4	601.1	1043.2	823.0	8/40	13:51:36(10.1)	Near-consistent
Pekoa	211.6	269.0	492.3	403.7	8/44	5:61:34(15.8)	Near-consistent
Lamap	230.2	235.7	356.5	293.2	18/53	27:34:39(4.6)	Inconsistent
Southern Region							
Bauerfield	218	314.8	400.4	338.2	9/42	17:37:46(2.6)	Inconsistent
Port Vila	223.6	261.9	417.4	324.4	15/62	19:44:37(2.5)	Near-

* 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).

					2		consistent
Whitegrass	65.5	140.8	234.3	165.1	3/42	29:27: 44 (0.9)	Inconsistent
Aneityum	244.7	316.6	457.3	393.1	7/63	35:33:32 (2.6)	Consistent

June to August 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #80]

Period: *below normal/normal/above normal

Predictors and Period used for June to August 2014 Outlooks (refer to OCOF #80): SST 1 & 9, Feb-Apr

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
October to December 2014**

Predictors and Period used: Using Nino 3.4, Jun - Aug

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Sola	51	823.0	49		-1.2	58.6
Pekoa	52	403.7	48		1.1	57.6
Lamap	55	293.2	45		9.0	68.8
Southern Region						
Bauerfield	54	338.2	46		7.8	57.6
Port Vila	56	324.4	44		11.7	66.7
Whitegrass	55	165.1	45		4.9	64.5
Aneityum	49	393.1	51		-3.2	45.5

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Sola	34	601.1	33	1043.2	33	-3.8	24.1
Pekoa	35	269.0	31	492.3	34	10.4	51.5
Lamap	37	235.7	36	356.5	27	13.8	46.9
Southern Region							
Bauerfield	37	314.8	38	400.4	25	15.9	36.4
Port Vila	37	261.9	37	417.4	26	10.9	39.4
Whitegrass	36	140.8	34	234.3	30	3.0	41.9
Aneityum	36	316.6	28	457.3	36	-3.1	33.3

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
October to December 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Sola	49	653	21	1094	30		
Pekoa	33	273	37	477	30		
Lamap	33	280	37	360	30		
Southern Region							
Bauerfield	6	227	67	387	27		
Port Vila	6	219	67	310	27		
Aneityum	5	189	89	359	6		

Summary Statements

Rainfall for August 2014:

- Rainfall for the past month *below normal* for the all the stations; Sola, Pekoa, Lamap, Bauerfield, Port Vila and Whitegrass , except for Aneityum which recorded normal.

Accumulated rainfall for June to August 2014, including outlook verification:

- Rainfall for the past three months was *below normal* for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass, and Aneityum).
- Confidence was *near- consistent* for Sola, Pekoa, and Port Vila, *Consistent* for Aneityum and *inconsistent* for Lamap, Bauerfields and Whitegrass.

Outlooks for October to December 2014:

1. SCOPIC: Using Nino 3.4

The seasonal rainfall outlook for October to December 2014 shows

- Little guidance for Sola, Pekoa, Whitegrass and Aneityum as the chances of above-normal, normal and below-normal rainfall are similar; and there is
- A near equal likelihood of below normal and normal rainfall for Bauerfield, Port Vila and Lamap
- (confidence: Very low – Good).

2. POAMA:

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

- Little guidance for Pekoa and Lamap as the chances of above-normal, normal and below-normal rainfall are similar
- The most likely outcome at Bauerfield, Port Vila and Whitegrass is normal with above normal the next most likely.

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: $X \geq 35$

