

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 93

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	May 2015						
	March 2015 Total	April 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	388.1	344.0	554.8	219.2	429.5	321.6	37/44
Pekoa	136.2	408.4	210.9	100.4	255.6	171.9	28/45
Lamap	156.1	262.3	238.6	79.4	169.6	106.7	43/55
Southern Region							
Bauerfield	800.1	82.5	276.6	112.5	196.4	137.5	35/43
Port Vila	792.8	100.7	282.2	92.9	163.5	128.8	55/63
Whitegrass	43.1	29.3	310.6	53.7	100.2	73.4	43/44
Aneityum	176.4	92.7	104.1	83.1	141.4	112.5	17/63

TABLE 2: Three-monthly Rainfall (March – May)

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	1286.9	1127.8	1381.2	1262.8	23/44	46:34:20 (16.3)	Near Consistent
Pekoa	755.5	608.7	871.0	705.9	24/45	41:29:30 (8.3)	Near consistent
Lamap	657.0	572.3	724.3	615.3	28/54	35:33:32(-4.2)	Near Consistent
Southern Region							
Bauerfield	1159.2	605.2	869.3	753.4	42/43	39:32:29 (1.1)	Inconsistent

* 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).

Port Vila	1175.7	635.3	824.9	718.0	62/63	38:36:26 (2.4)	Inconsistent
Whitegrass	383.0	317.4	461.7	357.7	25/44	42:39:19 (8.2)	Near consistent
Aneityum	373.2	607.6	892.1	715.3	4/6	36:35:29 (-0.6)	Consistent

March to May 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #89]

Period: *below normal/normal/above normal

Predictors and Period used for March to May 2015 Outlooks (refer to OCOF #89): Nino 3.4 SST Anomalies, November 2014 – January 2015

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
July to September 2015**

Predictors and Period used: Nino 3.4 SST Anomalies, March - May 2015

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	71	673.6	29		7.6	66.7
Pekoa	90	344.6	10		30.1	81.8
Lamap	80	244.6	20		17.3	63.6
Southern Region						
Bauerfield	94	238.9	6		40.8	81.8
Port Vila	87	265.9	13		24.0	72.7
Whitegrass	81	130.0	19		14.9	64.5
Aneityum						

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	47	581.5	31	847.6	22	3.8	40.0
Pekoa	75	231.2	15	396.7	10	22.4	45.5
Lamap	71	199.7	21	304.0	8	22.0	48.5
Southern Region							
Bauerfield	86	189.1	11	290.8	3	35.0	57.6
Port Vila	69	215.4	27	336.1	4	26.7	60.6
Whitegrass	84	107.6	13	184.9	3	27.6	51.6
Aneityum							

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
July to September 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Northern Region							
Sola	27	406	68	605	5		
Pekoa	5	198	90	351	5		
Lamap	5	197	90	282	5		
Southern Region							
Bauerfield	5	176	90	252	5		
Port Vila	5	171	90	256	5		
Whitegrass	5	89	90	147	5		
Aneityum	5	247	86	350	9		

Summary Statements

Rainfall for May 2015:

Rainfall for the past month was normal for Pekoa and Aneityum and above normal for Sola. Lamap, Bauerfield, Port Vila and Whitegrass.

Accumulated rainfall for March to May 2015, including outlook verification:

- Accumulated rainfall for March to May 2015 was below normal for Aneityum, normal for Sola, Pekoa, Lamap and Whitegrass and above normal for Bauerfield and Port Vila
- The outlook was Consistent for Aneityum, near consistent for Sola, Pekoa, Lamap and Whitegrass and inconsistent for Bauerfield and Port Vila.

Drought Watch: Using 6mnth SPI Drought Method, the stations currently undergoing:

Warning:

- Lamap – since February 2015

Drought:

- Sola – since April 2015
- Pekoa – since March 2015
- Aneityum – Since May 2015

No warning: Bauerfield and Port Vila and Whitegrass

Outlooks for July to September 2015:

1. SCOPIC:

Using Nino 3.4 SST Anomalies;

- The outlook for July to September favours below normal rainfall for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum). The confidence is Low – Very High.

2. POAMA:

The outlook favours normal rainfall for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum).

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: $X \geq 35$

