

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 94

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	June 2015						
	April 2015 Total	May 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	344.0	554.8	190.0	215.7	420.1	328.4	11/42
Pekoa	408.4	210.9	55.1	94	149.6	100.2	7/45
Lamap	262.3	238.6	64.3	77.8	142	121	11/54
Southern Region							
Bauerfield	82.5	276.6	49.6	109.2	194.2	135.5	5/43
Port Vila	100.7	282.2	50.4	92.9	163.5	128.7	7/63
Whitegrass	29.3	310.6	18.4	40.4	67.3	92.1	4/44
Aneityum	92.7	104.1	47.5	104.1	176.3	145	3/64

TABLE 2: Three-monthly Rainfall April – June 2015

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	1088.8	1008.2	1269.1	1189.8	17/42	43:43:14 (19.6)	Near consistent
Pekoa	674.4	474.4	799.8	644.7	25/45	40:24:36 (-2.0)	Near consistent
Lamap	565.2	383.2	597.8	501.5	34/54	40:31:29 (6.1)	Near consistent
Southern Region							
Bauerfield	408.7	475.8	755.7	594.3	11/43	38:38:24 (5.6)	Near 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).

Port Vila	433.3	435.7	638.4	544.7	22/63	41:31:29 (4.3)	Consistent
Whitegrass	358.3	209.2	325.2	254.7	34/44	42:32:20 (6.2)	Inconsistent
Aneityum	244.3	437.6	651.1	572.8	3/63	40:32:28 (8.4)	Consistent

April to June 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #90]

Period: *below normal/normal/above normal

Predictors and Period used for April to June 2015 Outlooks (refer to OCOF #90): **Nino3.4 SST Anomalies, December 2014 – February 2015**

TABLE 3: Seasonal Climate Outlooks using SCOPIC for August to October 2015

Predictors and Period used: **Nino 3.4 SST Anomalies, April-June 2015**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	87	813.4	13		19.0	67.7
Pekoa	84	359.1	16		12.1	57.6
Lamap	81	260.2	19		7.7	60.6
Southern Region						
Bauerfield	91	275.9	9		21.5	66.7
Port Vila	96	295.2	4		32.1	66.7
Whitegrass	89	149.4	11		18.2	64.5
Aneityum	85	338.9	15		12.7	57.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	73	632.8	10	955.0	17	7.8	51.6
Pekoa	78	275.9	16	431.9	6	17.6	54.5
Lamap	79	220.6	8	341.8	13	8.5	42.4
Southern Region							60.6
Bauerfield	83	214.4	14	322.8	3	24.1	54.5
Port Vila	82	223.4	15	340.4	3	22.6	45.2
Whitegrass	89	107.1	8	185.0	3	21.9	51.5
Aneityum	72	280.6	17	389.4	11	10.2	

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
August to October 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Northern Region							
Sola	27	490	64	807	9		
Pekoa	30	232	61	360	9		
Lamap	30	210	61	294	9		
Southern Region							
Bauerfield	18	193	70	285	12		
Port Vila	18	169	70	300	12		
Whitegrass	18	78	73	159	9		
Aneityum	6	196	88	341	6		

Summary Statements

Rainfall for June 2015:

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

Accumulated rainfall for April to June 2015, including outlook verification:

- Rainfall for the past three months was below normal for Bauerfield, Port Vila and Aneityum, and normal for Sola, Pekoa, and Lamap and above normal for Whitegrass.
- Outlook was *consistent* for Port Vila and Aneityum, *near consistent* for Sola, Pekoa, Lamap, and Bauerfield and *inconsistent* for Whitegrass.

Outlooks for August to October 2015:

1. SCOPIC:

Using Nino 3.4 SST Anomalies,

- The outlook favours below normal rainfall for the coming season (August to October) with normal being the next most likely for Pekoa, Bauerfield, Port Vila, Whitegrass and Aneityum and above normal being the next most likely at Sola and Lamap.

2. POAMA:

The Outlook favours Normal rainfall for the coming season.

DROUGHT WATCH:

In Drought:

- Sola – since April 2015, rainfall required to end this drought is 174mm
- Pekoa – since March 2015, rainfall required to end this drought is 127mm
- Aneityum – since May 2015, rainfall required to end this drought is 302mm

In Warning: Lamap – since February 2015

No Warning: Bauerfield, Port Vila and Whitegrass

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: $X \geq 35$

