

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 98

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	October 2015						
	August 2015 Total	September 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	167.5	58.1	33.3	209.1	468.8	340.8	3/45
Pekoa	103.2	13.7	13.7	90.1	177.2	133.3	3/45
Lamap	51.1	4.5	12.0	64.2	165.0	101.9	3/55
Southern Region							
Bauerfield	47.5	14.0	27.7	56.9	142.5	92.2	6/43
Port Vila	60.2	4.0	10.6	56.2	129.6	88.5	3/63
Whitegrass	162.2	0.4	4.9	19.7	57.0	34.1	5/44
Aneityum	160.2	14.9	95.4	60.9	146.8	89.6	36/64

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?)
Northern Region							
Sola	258.9	632.8	955.0	813.4	2/39	73:10:17(7.8)	Consistent
Pekoa	130.6	275.9	431.9	359.1	5/45	78:16:6(17.6)	Consistent
Lamap	67.9	220.6	341.8	260.2	2/55	79:8:13(8.5)	Consistent
Southern Region							

* 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).

Bauerfield	89.2	214.4	322.8	275.9	3/43	83:14:3(24.1)	Consistent
Port Vila	74.8	223.4	340.4	295.2	4/63	82:15:3(22.6)	Consistent
Whitegrass	167.5	107.1	185.0	149.4	24/43	89:8:3(21.9)	Near Consistent
Aneityum	270.5	280.6	389.4	338.9	21/64	72:17:11(10.2)	Consistent

August to October 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #94]

Period: *below normal/normal/above normal

Predictors and Period used for August to October 2015 Outlooks (refer to OCOF #94): **Nino 3.4 SST Anomalies, April – June 2015**

TABLE 3: Seasonal Climate Outlooks using SCOPIC for December 2015 to February 2016

Predictors and Period used: Nino 3.4 SST Anomalies, August to October 2015

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	60	1105.2	40		-1.9	48.4
Pekoa	62	765.8	38		-2.2	48.5
Lamap	60	584.0	40		-2.6	51.6
Southern Region						
Bauerfield	94	820.6	6		17.7	69.7
Port Vila	97	724.9	3		24.2	69.7
Whitegrass	79	491.4	21		1.7	53.1
Aneityum	94	723.5	6		17.5	69.7

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	39	1001.6	45	1205.1	16	-1.6	25.0
Pekoa	50	709.0	28	927.8	22	-1.6	45.5
Lamap	62	538.4	25	706.1	13	1.7	48.5
Southern Region							
Bauerfield	88	679.5	9	871.5	3	15.2	51.5
Port Vila	71	616.9	29	821.4	0	27.3	60.6
Whitegrass	77	353.1	15	527.3	8	5.5	42.4
Aneityum	88	570.4	6	879.7	6	10.7	33.3

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
December 2015 to February 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Northern Region							
Sola	82	855	6	1127	12		
Pekoa	79	693	9	918	12		
Lamap	79	487	9	649	12		
Southern Region							
Bauerfield	64	604	15	867	21		
Port Vila	64	579	15	750	21		
Whitegrass	73	332	15	494	12		
Aneityum	61	475	21	899	18		

Summary Statements

Rainfall for October 2015:

Rainfall for October 2015 was below normal for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum)

Accumulated rainfall for August to October 2015, including outlook verification:

Accumulated rainfall for August to October 2015 shows below normal rainfall is recorded for all stations except for Whitegrass which record normal rainfall.

The outlook was consistent for all stations except for Whitegrass which was near consistent.

Outlooks for December 2015 to February 2016:

1. SCOPIC:

Using Nino 3.4SSt Anomalies:

The outlook favours below normal rainfall for most stations (Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass, and Aneityum) with normal except for Sola where normal rainfall is favoured

2. POAMA:

The Poama Outlook favours below normal for all stations in the coming season with normal being the next most likely for Whitegrass and Aneityum and Above normal being the next most likely at Sola, Pekoa, Lamap, Bauerfield and Port Vila.

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: $X \geq 35$

