

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 109

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	September 2016						
	July 2016 Total	August 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	119.6	77.5	197.6	164.0	262.5	235.3	20/44
Pekoa	41.4	68.1	47.8	66.5	141.9	88.1	14/46
Lamap	76.6	125	18.1	42.8	105.3	72.7	8/56
Southern Region							
Bauerfield	27.2	66.4	59	35.4	96.3	61.3	20/44
Port Vila	39.8	56.0	24.4	46.6	105.2	74.5	13/64
Whitegrass	16.4	53.2	1.3	20.2	61.8	31.2	5/44
Aneityum	56.8	78.1	29.8	61.1	124.2	95.1	12/65

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	394.7	560.8	847.2	646.6	7/42	55:28:17(5.4)	Consistent
Pekoa	157.3	219.8	396.2	340.8	8/46	82:12:6(24.8)	Consistent
Lamap	219.7	193.8	300.7	242.8	23/56	82:14:4(24.5)	Near-consistent
Southern Region							
Bauerfield	152.6	183.2	286.0	238.5	11/44	87:11:1(39.4)	Consistent
Port Vila	120.2	213.2	335.4	259.1	9/64	82:17:2(28.8)	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).

Whitegrass	70.9	107.7	191.9	131.4	6/44	85:171:5(19.2)	Consistent
Aneityum	164.7	270.9	374.7	343.6	5/65	64:27:9(10.8)	Consistent

July to September 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #105]

Period: *below normal/normal/above normal

Predictors and Period used for July to September 2016 Outlooks (refer to OCOF #105):
Nino 3.4 SST Anomalies, March to May 2016

TABLE 3: Seasonal Climate Outlooks using SCOPIC for November 2016 to January 2017

Predictors and Period used: Nino 3.4 SST Anomalies, July to September 2016

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	42	1186.8	58		5.8	61.0
Pekoa	37	622.6	63		14.2	73.3
Lamap	34	467.6	66		23.9	75.5
Southern Region						
Bauerfield	30	553.3	70		28.6	76.7
Port Vila	29	576.9	71		38.8	82.5
Whitegrass	37	340.1	63		16.3	70.5
Aneityum	41	604.2	59		11.1	60.9

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	25	1039.2	36	1357.6	39	4.9	43.9
Pekoa	24	599.0	30	822.8	46	20.3	46.7
Lamap	20	443.4	36	550.6	44	20.8	56.6
Southern Region							
Bauerfield	21	450.6	28	678.6	51	21.4	58.1
Port Vila	17	442.9	39	672.9	44	26.9	52.4
Whitegrass	16	265.3	39	410.5	45	24.4	59.1
Aneityum	20	436.9	39	680.4	41	15.5	53.1

TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2016 to January 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Northern Region							
Sola							
Pekoa							
Lamap							
Southern							

Region					
Bauerfield					
Port Vila					
Whitegrass					
Aneityum					

Summary Statements

Rainfall for September 2016:

Rainfall for the past month (September) was below for Pekoa, Lamap, Port Vila, Whitegrass and Aneityum. Normal for Sola and Bauerfield.

Accumulated rainfall for July to September 2016, including outlook verification:

Rainfall for the past three months was below normal for all stations (Sola, Pekoa, Bauerfield, Port Vila, Aneityum and Whitegrass) except Lamap which recorded normal for that period.

The outlook was consistent for all stations (Sola, Pekoa, Bauerfield, Port Vila, Whitegrass and Aneityum) except Lamap which was near consistent.

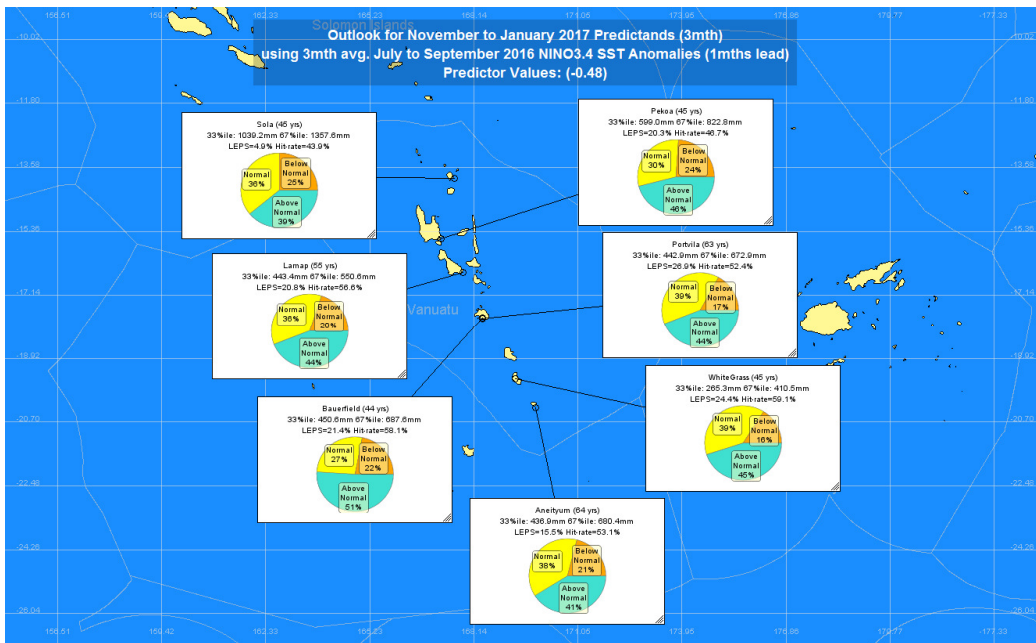
Outlooks for November 2016 to January 2017:

1. SCOPIC:

Using NINO 3.4 SST Anomalies;

The outlooks for most stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila and Whitegrass) favour above normal rainfall for the coming season with normal being the next most likely. The seasonal rainfall outlook Aneityum shows a near equal likelihood of above-normal and normal rainfall.

2. POAMA:



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: $X \geq 35$