

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 103

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	March 2016						
	January 2016 Total	February 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	85.3	196.5	287.9	286.7	447.0	353.3	16/45
Pekoa	11.0	83.1	327.0	193.2	302.7	243.2	33/46
Lamap	26.2	43.8	140.7	195.3	344.4	254.0	12/55
Southern Region							
Bauerfield	37.2	31.2	328.9	245.6	336.5	292.5	26/44
Port Vila	24.8	53.1	119.5	248.3	366.0	306.8	5/64
Whitegrass	54.2	182.1	274.1	143.6	227.9	193.2	39/45
Aneityum	89.3	114.8	296.3	242.9	382.1	311.3	31/65

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	569.7	1004.4	1220.2	1127.1	1/44	58:21:21(-0.9)	Consistent
Pekoa	421.1	758.8	990.4	842.9	3/46	44:14:42(-2.4)	Consistent
Lamap	210.7	650.3	816.8	727.8	1/55	49:36:15(-0.2)	Consistent
Southern Region							
Bauerfield	397.3	801.1	1058.0	985.9	1/44	75:10:15(2.7)	Consistent
Port Vila	197.4	775.6	1009.8	885.7	1/64	55:36:08(4.1)	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	510.4	496.3	697.5	558.8	17/45	58:30:12(1.5)	Consistent
Aneityum	500.4	748.1	985.4	875.5	6/65	61:33:06(7.4)	Near Consistent

January to March 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #99]

Period: *below normal/normal/above normal

Predictors and Period used for January to March 2016 Outlooks (refer to OCOF #99): Nino 3.4 SST Anomalies, September to November 2015

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
May to July 2016**

Predictors and Period used: Nino 3.4 SST Anomalies, January to March 2016

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	84	995.0	16		8.2	57
Pekoa	74	466.3	26		3.8	68
Lamap	73	392.4	27		2.1	61
Southern Region						
Bauerfield	72	437.9	28		5.1	65
Port Vila	77	408.0	23		6.0	65
Whitegrass	80	224.3	20		5.0	56
Aneityum	77	443.0	23		5.9	70

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	46	751.4	30	1186.0	24	-1.2	26.7
Pekoa	78	331.4	3	566.6	19	6.5	47.1
Lamap	66	313.1	23	472.8	11	4.1	45.5
Southern Region							
Bauerfield	61	317.9	29	528.0	10	6.4	44.1
Port Vila	76	354.2	13	491.7	11	7.8	47.1
Whitegrass	52	181.4	42	276.6	5	8.1	28.1
Aneityum	60	358.3	35	523.7	4	9.3	45.5

TABLE 4: Seasonal Climate Outlooks using POAMA2 for

May to July 2016

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Northern Region							
Sola	91	648	5	920	4		
Pekoa	88	278	7	511	5		
Lamap	88	319	7	451	5		
Southern Region							
Bauerfield	67	333	21	513	12		
Port Vila	67	277	21	502	12		
Whitegrass	67	156	28	234	5		
Aneityum	58	336	33	488	9		

Summary Statements

Rainfall for March 2016:

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

Accumulated rainfall for January to March 2016, including outlook verification:

Rainfall for January to March 2016 was below normal for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, and Aneityum) while Whitegrass recorded above normal rainfall. The outlook was consistent for all stations except for Whitegrass which was near consistent.

Outlooks for May to July 2016:

1. SCOPIC:

Using Nino 3.4 SST Anomalies:

- The outlook favours below normal for all stations with normal being the next most likely at Sola, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum and above normal being the next most likely at Pekoa.

2. POAMA:

The outlook favours below normal for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum) with normal being the next most likely for all stations.

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: $X \geq 35$

