

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 71

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	July 2013						
	May 2013 Total	June 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	416.1	288.8	494.9	187.8	308.8	226.9	55/57
Pekoa	321.7	214.9	365.5	59.0	130.7	98.9	42/43
Lamap	191.0	207.8	113.3	59.6	120.6	77.6	33/53
Southern Region							
Bauerfield	355.3	71.7	144.4	47.3	86.3	61.9	33/41
Port Vila	329.9	63.1	132.0	51.5	127.0	75.7	43/61
Whitegrass	205.9	120.6	51.0	28.8	59.1	51.6	20/41
Aneityum	360.2	132.5	135.7	84.2	144.3	112.5	40/62

TABLE 2: Three-monthly Rainfall May to July 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #67]

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	1199.8	733.9	1114.6	936.0	43/57	35.6:35.7:28.5(4.4)	Near-consistent
Pekoa	902.1	352.6	569.6	477.5	42/43	24.9:39.9:35.2(10.7)	Near-consistent
Lamap	512.1	310.6	471.0	392.4	41/53	34.7:30.4:34.9(6.9)	Consistent
Southern Region							
Bauerfield	571.4	337.3	525.5	444.1	29/40	30.3:34.5:35.2(3.8)	Consistent
Port Vila	525	330.4	491.6	403.2	44/61	27.7:36.2:36.1(12.7)	Near-consistent
Whitegrass	377.5	181.4	258.1	222.5	38/41	33.5:35.6:30.9(5.6)	Near-consistent
Aneityum	628.4	358.3	523.7	449.8	53/61	32.5:35.8:31.7(1.4)	Near-consistent

Period: *below normal/normal/above normal

* 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).

Predictors and Period used for May to July 2013 Outlooks (refer to OCOF #67):

TABLE 3: Seasonal Climate Outlooks using SCOPIC for September to November 2013

Predictors and Period used: SST 1& 9, May - July

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	15.8	1007.0	84.2		22.6	67.2
Pekoa	18.5	449.1	81.5		25.0	66.7
Lamap	20.5	323.3	79.5		17.7	69.2
Southern Region						
Bauerfield	22.5	316.9	77.5		26.7	70.0
Port Vila	21.1	303.6	78.9		25.3	71.7
Whitegrass	12.4	142.2	87.6		33.3	75.0
Aneityum	27.7	353.3	72.3		17.7	65.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	9.8	871.1	29.9	1148.4	60.3	16.5	44.8
Pekoa	3.5	298.9	48.3	542.2	48.2	28.3	54.8
Lamap	15.7	268.6	25.8	400.6	58.5	11.8	46.2
Southern Region							
Bauerfield	11.2	232.6	33.8	400.5	55.0	22.0	45.0
Port Vila	12.1	236.2	43.3	388.3	44.6	18.8	50.0
Whitegrass	7.9	117.2	20.3	234.6	71.8	24.4	40.0
Aneityum	8.0	259.3	38.7	421.5	53.3	24.0	47.5

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
September to November 2013**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Port Vila	33.33	219	36.67	310	30.00		

Summary Statements

Rainfall for July 2013:

- Rainfall for the past Month (July) was *above normal* for Sola, Pekoa, Bauerfield and Port Vila while rainfall was *normal* for Lamap, Whitegrass and Aneityum.

Accumulated rainfall for May–July 2013, including outlook verification:

- Total Rainfall for the past three months (April 2013 to June 2013) was *above normal* for all stations (Pekoa, Bauerfield, Port Vila, whitegrass , Aneityum , Lamap and Sola).
- Forecast was *consistent* for Bauerfield and Lamap, and *Near – Consistent* for Sola, Pekoa, Port Vila, Whitegrass and Aneityum.

Outlooks for September–November 2013:

1. SCOPIC:

Using SST1& 9

- Northern Region: *Above normal* rainfall is favoured for Sola and Lamap while normal rainfall is favoured for Pekoa (Confidence: Good to very high)
- Southern Region: *Above normal* rainfall is favoured for all stations. (Confidence : High to very high)
- Overall *above normal* rainfall is favoured for the next three months. (Confidence : High)

2. POAMA:

- *Normal* rainfall is favoured for Port Vila station in the coming three months (September – November).

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: $X \geq 35$

Outlook for Sep to Nov 2013 Predictands (3mth)
 using 3mth avg. May to Jul 2013 SST Indices 1 and 9 (1mths lead)
 Predictor Values: (0.14, 1.53)

