

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 69

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)			May 2013				
	March 2013 Total	April 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	715.1	253.7	416.1	566.5	871.0	632.9	34/59
Pekoa	899	119.3	321.7	219.8	396.2	339.3	37/43
Lamap	536.7	162.2	191.0	202.7	300.7	258.9	34/53
Southern Region							
Bauerfield	281.9	445.3	355.3	183.2	300.3	235.3	36/40
Port Vila	290.1	404.0	329.9	213.2	335.4	265.9	55/61
Whitegrass	185.1	265.0	205.9	105.5	191.9	129.3	40/42
Aneityum	255.4	335.0	360.2	267.9	384.5	329.0	59/61

TABLE 2: Three-monthly Rainfall March 2013 to May 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #62]

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	1384.9	1101.8	1381.2	1272.6	40/59	22.2:50.6:27.2(6.7)	Near-consistent
Pekoa	1340	606.2	868.9	705.9	42/43	25.7:36:38.3(2.3)	Consistent
Lamap	889.9	567.4	717.2	605.9	45/53	29.1:38.6:32.3(3.0)	Near-consistent
Southern Region							
Bauerfield	1082.5	609.1	860.1	749.0	36/40	35.5:28.5:36(-3.7)	Consistent
Port Vila	1024	600.1	819.3	718.0	57/61	39.1:34.8:26.1(0.3)	Inconsistent
Whitegrass	656	314.1	456.6	357.7	39/42	24.1:34.6:41.3(11.8)	Consistent
Aneityum	950.6	610.5	861.5	715.3	46/61	33.5:29.6:36.9(-2.2)	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).

Period: *below normal/normal/above normal

Predictors and Period used for March 2013 to May 2013 Outlooks (refer to OCOF #65): SST 1 & 9, November 2012 to January 2013.

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

Predictors and Period used: SST1&9, March 2013 - May 2013

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	35.5	632.9	64.5		9.0	64.3
Pekoa	46.0	339.3	54.0		16.2	57.1
Lamap	40.1	258.9	59.9		8.2	57.7
Southern Region						
Bauerfield	42.5	235.3	57.5		19.2	60.0
Port Vila	52.5	265.9	47.5		10.5	60.0
Whitegrass	43.3	129.3	56.7		8.2	50.0
Aneityum	50.7	329.0	49.3		1.0	50.8

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	20.9	566.5	40.2	871.0	38.9	3.3	26.8
Pekoa	13.5	219.8	44.5	396.2	42.0	18.9	45.2
Lamap	28.8	202.7	37.8	300.7	33.4	2.9	34.6
Southern Region							
Bauerfield	26.0	183.2	38	300.3	36.0	16.6	42.5
Port Vila	27.3	213.2	42.7	335.4	30.0	4.8	43.3
Whitegrass	25.9	105.5	34.8	191.9	39.3	3.0	32.5
Aneityum	26.6	267.9	39.5	384.5	34.0	3.3	32.8

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Port Vila	5	171	38.33	256	56.67		

Summary Statements

Rainfall for May 2013:

- Rainfall for the past Month (May) was *above normal* for Bauerfield and Whitegrass, *Normal* for Sola, Pekoa Port Vila and Aneityum, while Lamaps recorded *below normal* rainfall.

Accumulated rainfall for March 2012–May 2013, including outlook verification:

- Total Rainfall for the past three months (March 2013 to May 2013) was *above normal* for all stations.
- Forecast was *consistent* for Pekoa, Bauerfield, Whitgrass and Aneityum. *Near – Consistent* for Sola and Lamap. While forecast for Port Vila was inconsistent.

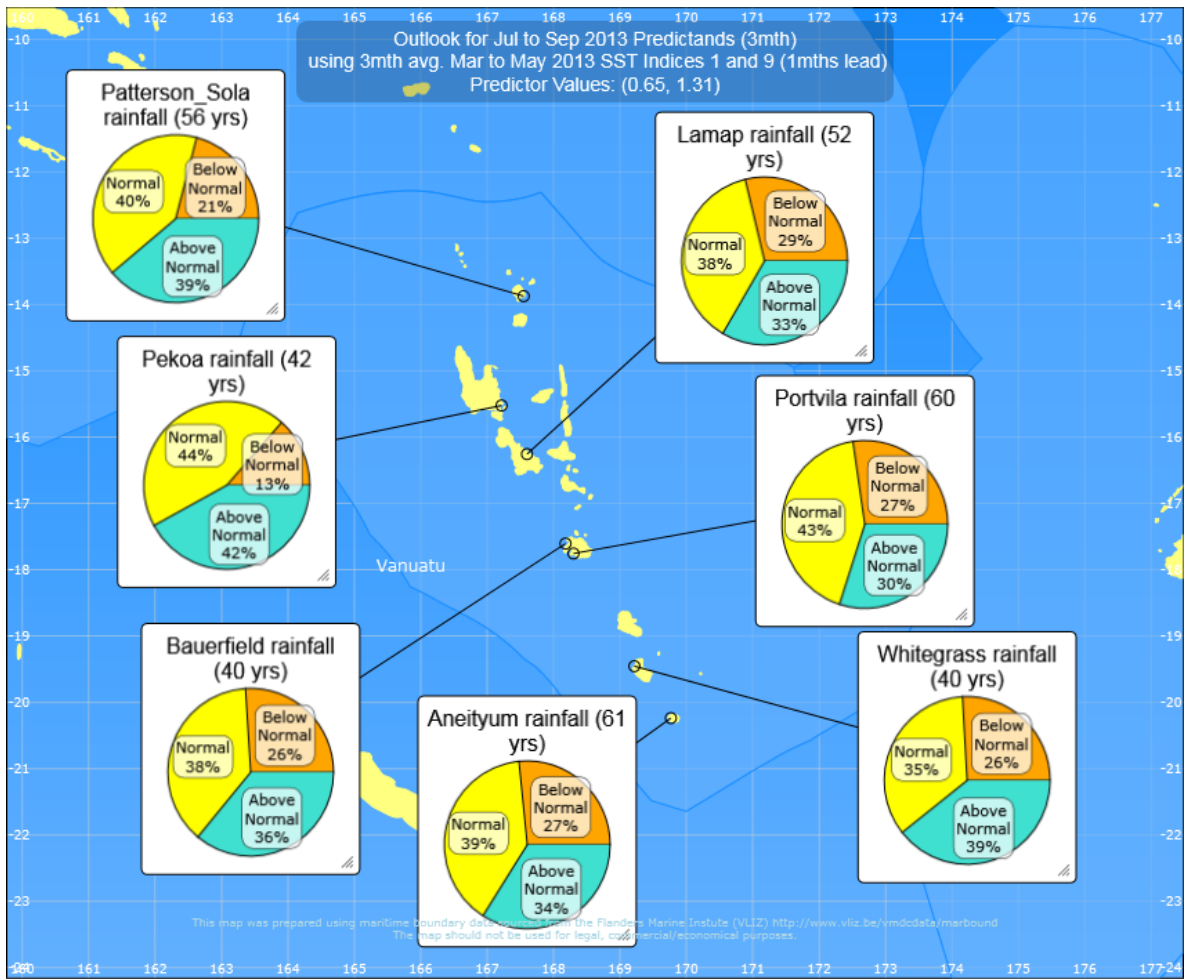
Outlooks for July–September 2013:

1. SCOPIC: Using SST 1&9

- Northern Region: *Normal* rainfall is favoured for all (Confidence: Low to High)
- Southern Region: *Normal* rainfall is favoured for all stations except Whitegrass which favours *above normal* rainfall. (Confidence : Low to High)
- Overall *normal* rainfall is favoured for the next three months. (Confidence : Low)

2. POAMA:

Above Normal rainfall is favoured of Port Vila station in the coming three months (July – September).



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: $X \geq 35$