

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 70

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)			June 2013				
	April 2013 Total	May 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	253.7	416.1	288.8	209.5	382.1	276.3	31/58
Pekoa	119.3	321.7	214.9	97.1	263.0	172.8	25/43
Lamap	162.2	191.0	207.8	79.5	169.7	121.4	41/53
Southern Region							
Bauerfield	445.3	355.3	71.7	116.3	200.8	143.0	6/41
Port Vila	404.0	329.9	63.1	102.0	167.8	132.8	7/61
Whitegrass	265.0	205.9	120.6	54.4	97.5	73.4	32/42
Aneityum	335.0	360.2	132.5	106.2	183.4	148.7	28/62

**TABLE 2: Three-monthly Rainfall
April 2013 to June 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #66]

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	958.6	1001.3	1298.5	1176.7	18/58	29.4:32.9: 37.8 (4.4)	Inconsistent
Pekoa	655.9	474.1	809.3	656.3	21/43	26.2: 39.4 :34.5(6.3)	Consistent
Lamap	561	385.5	595.9	501.5	33/53	31.1:32.8: 36.1 (6.7)	Near-consistent
Southern Region							
Bauerfield	872.3	487.0	741.9	583.4	36/40	35.9 :32.2:32.0(1.5)	Inconsistent
Port Vila	797	445.1	635.8	537.6	53/61	30.2:32.2: 37.6 (7.7)	Consistent
Whitegrass	591.5	214.4	324.2	253.2	39/42	33.0: 40.5 :26.5(8.7)	Near-consistent
Aneityum	827.7	444.6	650.6	579.4	53/61	29.2:31.2: 39.6 (2.7)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for April to June 2013 Outlooks (refer to OCOF # 66): Dec 2012 – Feb 2013, SST 1&9.

* 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).

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
August to October 2013**

Predictors and Period used: SST1&9, April - June 2013

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	30.3	864.7	69.7		9.2	63.2
Pekoa	19.5	357.2	80.5		18.7	73.8
Lamap	25.8	271.1	74.2		12.9	65.4
Southern Region						
Bauerfield	25.0	275.9	75.0		20.3	65.0
Port Vila	31.9	294.5	68.1		20.0	65.0
Whitegrass	27.4	151.3	72.6		15.7	57.5
Aneityum	34.9	338.9	65.1		6.9	55.7

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	7.1	632.8	44.8	1070.7	48.1	15.9	47.4
Pekoa	13.6	269.4	44.9	427.2	41.5	11.7	50.0
Lamap	16.5	222.8	34.4	330.1	49.1	9.3	38.5
Southern Region							
Bauerfield	11.0	204.3	33.1	309.4	55.9	25.3	50.0
Port Vila	17.0	226.6	36.9	337.1	46.1	14.5	50.0
Whitegrass	2.0	91.0	46.4	216.8	51.6	25.7	37.5
Aneityum	21.2	280.5	33.0	386.1	45.8	6.8	32.8

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
August to October 2013**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Port Vila	26.67	169	26.67	300	46.66		

Summary Statements

Rainfall for June 2013:

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

Accumulated rainfall for April 2012–June 2013, including outlook verification:

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

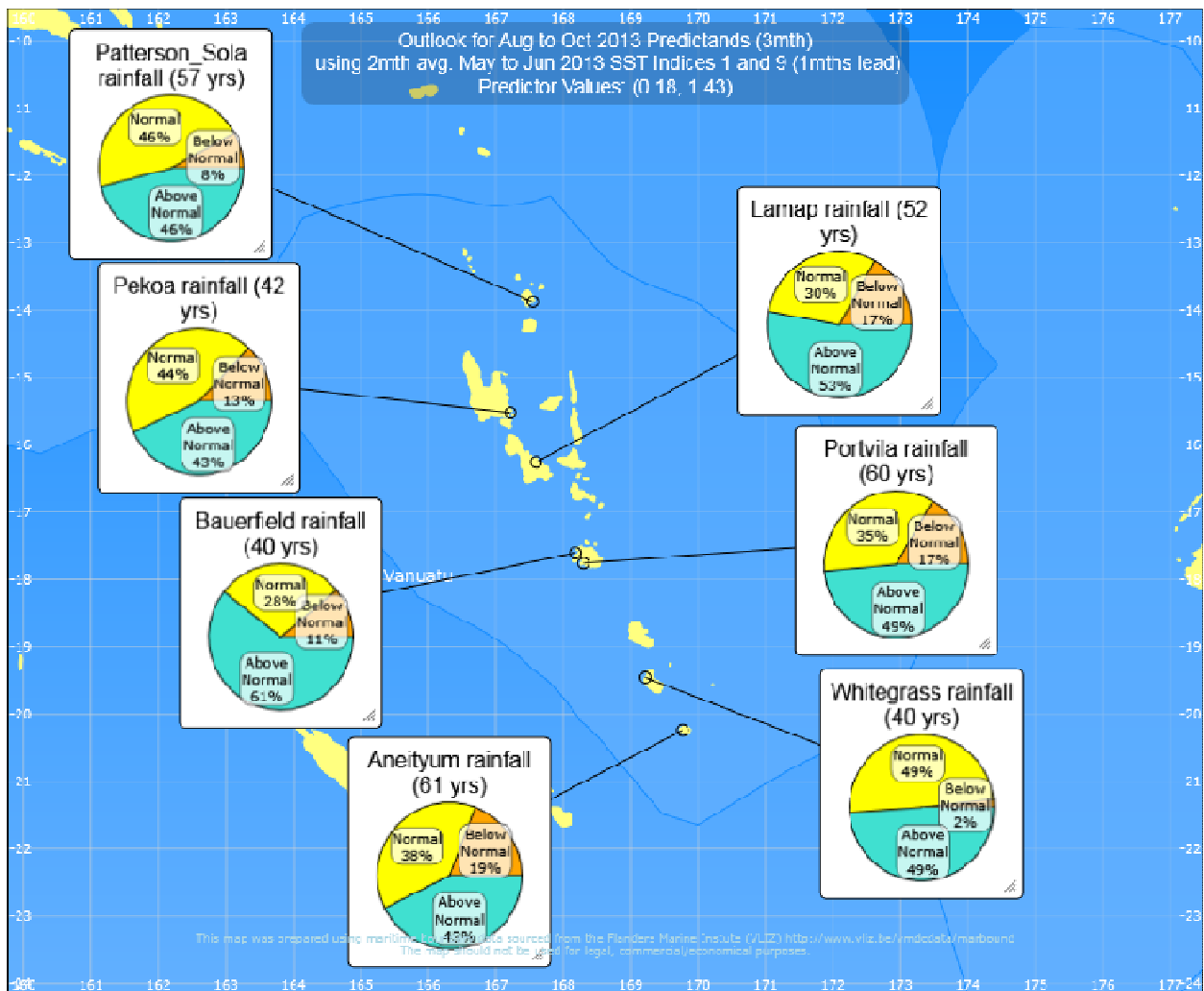
Outlooks for August–October 2013:

1. SCOPIC:

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

2. POAMA:

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



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: $X \geq 35$