

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 82

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)			June 2014				
	April 2014 Total	May 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	419.8	168.0	220.1	218.7	433.0	333.7	15/41
Pekoa	148.7	50.9	110.2	100.1	256.5	182.0	18/44
Lamap	149.3	177.7	53.9	79.5	169.7	113.4	7/53
Southern Region							
Bauerfield	164.2	129.5	51.4	115.1	198.6	139.2	5/42
Port Vila	105.5	197.6	54.4	98.6	164.1	130.5	7/62
Whitegrass	22.9	44.3	19.3	55.2	100.4	73.9	4/43
Aneityum	73.8	165.5	96.3	106.8	175.4	146.9	20/63

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	807.9	1061.6	1276.4	1197.6	4/41	24:34:42(8.2)	Inconsistent
Pekoa	309.8	477.2	808.0	656.3	4/44	13:49:38(2.8)	Near-consistent
Lamap	380.9	387.8	608.4	507.0	18/53	22:40:38(7.4)	Near-consistent
Southern Region							
Bauerfield	345.1	482.3	763.6	605.2	8/42	28:30:42(-2.1)	Inconsistent

* 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).

Port Vila	357.5	444.5	639.4	551.7	12/62	20:29: 51 (7.8)	Inconsistent
Whitegrass	86.5	219.5	329.2	264.2	4/43	29: 47 :24(15.3)	Near-consistent
Aneityum	335.6	451.6	651.7	573.0	10/62	18:18: 64 (7.0)	Inconsistent

April to June 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #78]

Period:*below normal/normal/above normal

Predictors and Period used for April to June 2014 Outlooks (refer to OCOF #78): SST 1& 9, Dec 2013 – Feb 2014.

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
August to October 2014**

Predictors and Period used: Nino 3.4 SST Anomalies, May-June 2014.

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	66	811.9	34		20.2	70.0
Pekoa	64	342.9	36		13.1	54.8
Lamap	66	258.5	34		12.4	59.4
Southern Region						
Bauerfield	75	273.7	25		25.0	65.6
Port Vila	84	295.1	16		38.5	65.6
Whitegrass	75	147.6	25		24.8	66.7
Aneityum	68	336.0	32		16.5	62.5

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	47	629.3	21	966.3	32	8.5	53.3
Pekoa	48	269.4	37	421.1	15	18.5	54.8
Lamap	52	218.5	23	330.0	25	13.5	40.6
Southern Region							
Bauerfield	54	209.4	34	312.7	12	28.6	62.5
Port Vila	56	220.1	36	333.9	8	32.2	56.3
Whitegrass	61	102.1	21	187.0	18	27.2	50.0
Aneityum	50	280.6	30	387.2	20	14.3	50.0

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
August to October 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Northern Region							
Sola	37	406	30	605	33		
Pekoa	21	198	55	351	24		
Lamap	21	197	55	282	24		
Southern Region							
Bauerfield	5	176	83	252	12		
Port Vila	5	171	83	256	12		
Aneityum	5	247	90	350	5		

Summary Statements

Rainfall for June 2014:

- Rainfall for the past month was *normal* for Sola and Pekoa, while the rest of the stations recorded *below normal* for the month (Lamap, Bauerfield, Port Vila, Whitegrass, Aneityum).

Accumulated rainfall for April to June 2014, including outlook verification:

- Rainfall for the past three months was below normal for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass, Aneityum).
- Confidence was *near- consistent* for Pekoa, Lamap, Whitegrass and *inconsistent* for Sola, Port Vila and Aneityum

Outlooks for August to October 2014:

1. SCOPIC:

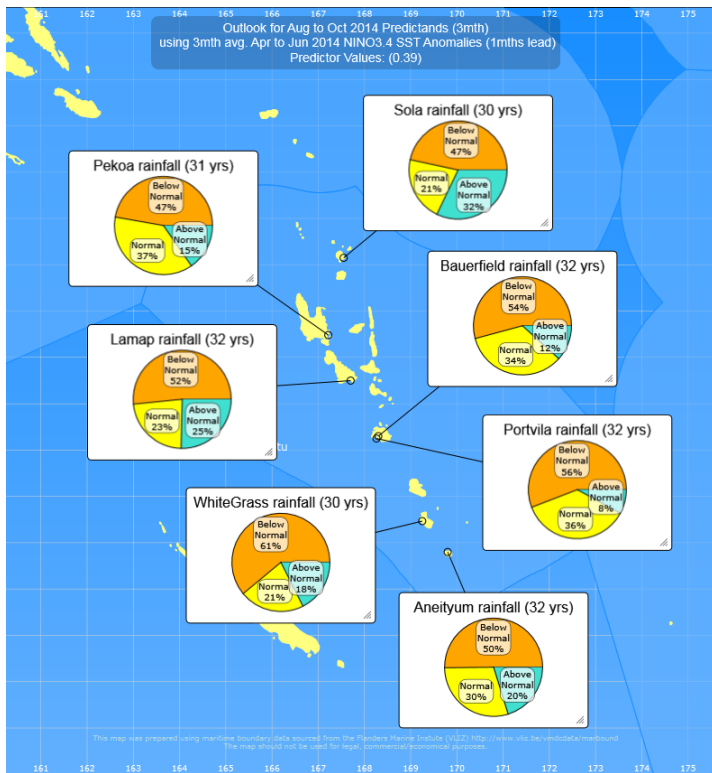
Using NINO 3.4

The seasonal rainfall outlook for August to October 2014 show:

- The most likely outcome at Pekoa, Bauerfield, Port Vila, Whitegrass and Aneityum is below normal with normal the next most likely.
- The most likely outcome at Sola and Lamap is below normal with above normal the next most likely.
- Overall below normal is favoured for the coming three months(confidence : Moderate – Very high).

2. POAMA:

- Normal rainfall is favoured for Pekoa, Lamap, Bauerifles , PortVila and Aneityum, the rainfall outlook shows little guidance for Sola for the coming three months.



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: $X \geq 35$