

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 90

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	February 2015						
	December 2014 Total	January 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	155.0	265.5	218.6	270.6	378.1	327.9	7/44
Pekoa	162.4	157.7	104.1	222.7	377.0	292.4	4/45
Lamap	130.7	163.1	155.7	179.6	274.0	228.0	15/55
Southern Region							
Bauerfield	264.5	267.1	487.3	248.5	353.7	284.4	36/43
Port Vila	190.2	365.0	421.4	215.7	307.0	254.5	53/63
Whitegrass	92.9	239.3	81.2	118.3	235.6	165.5	8/44
Aneityum	271.9	178.7	248.5	188.6	301.5	232.8	37/64

TABLE 2: Three-monthly Rainfall December 2014 – February 2015

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	639.1	1003.3	1204.9	1112.6	22/42	34:36:30(-1.6)	Near Consistent
Pekoa	424.4	709.0	895.4	756.5	34/44	35:34:31(-1.8)	Consistent
Lamap	449.5	530.0	706.1	584.0	38/54	37:32:31(-1.7)	Consistent
Southern Region							
Bauerfield	1018.9	652.0	894.6	799.5	39/42	42:37:21(19.6)	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	976.6	613.0	811.6	712.4	54/62	47:45:8(32.4)	Inconsistent
Whitegrass	580.7	355.0	542.9	488.2	27/42	40:36:24(3.2)	Inconsistent
Aneityum	699.1	582.1	880.8	726.9	44/63	42:30:28(9.9)	Near Consistent

December 2014 to February 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #86]

Period: *below normal/normal/above normal

Predictors and Period used for December 2014 to February 2015 Outlooks (refer to OCOF #86): Nino3.4SST Anomalies, Aug-Oct 2014

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
April to June 2015**

Predictors and Period used: Nino 3.4, April – June 2015

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	68.8	1189.8	31.2		25.0	72.4
Pekoa	53.7	644.7	46.3		-1.7	62.5
Lamap	55.3	501.5	44.7		0.8	61.3
Southern Region						
Bauerfield	67.5	594.3	32.5		25.1	75.0
Port Vila	62.9	544.7	37.1		15.5	68.8
Whitegrass	63.6	254.7	36.4		8.1	67.7
Aneityum	56.0	572.8	44.0		1.9	61.3

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	43	1008.2	43	1269.1	14	19.6	54.5
Pekoa	40	474.1	24	799.8	36	-2.0	41.2
Lamap	40	383.2	31	597.8	29	6.1	40.0
Southern Region							
Bauerfield	38	475.8	38	755.7	24	5.6	50.0
Port Vila	41	435.7	31	638.4	29	4.3	46.4
Whitegrass	42	209.2	32	325.2	20	6.2	38.5
Aneityum	40	437.6	32	651.1	28	8.4	40.9

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
April to June 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Northern Region							
Sola	30	923	52	1212	18		
Pekoa	12	461	73	726	15		
Lamap	12	396	73	592	15		
Southern							

Region							
Bauerfield	6	476	79	691	15		
Port Vila	6	426	79	639	15		
Whitegrass	12	202	73	324	15		
Aneityum	12	408	70	658	18		

Summary Statements

Rainfall for February 2015:

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

Accumulated rainfall for December 2014 to February 2015, including outlook verification:

- Rainfall for the past three months was *below normal* for Sola, Pekoa and Lamap and *above normal* for Bauerfield, Port Vila and Whitegrass while Aneityum recorded *normal* rainfall.
- The outlook was *consistent* for Pekoa and Lamap, *near consistent* for Sola and Aneityum and *inconsistent* for Bauerfield, Port Vila and Whitegrass.

Outlooks for April to June 2015:

1. SCOPIC:

Using Nino 3.4 SST Anomalies;

- The outlook favours below normal rainfall for Pekoa with above normal being the next most likely.
- The outlook favours below normal rainfall for Lamap, Port Vila, Whitegrass and Aneityum with normal being the next most likely.
- There is equal chance of below normal and normal rainfall for Sola and Bauerfield.
- Overall: Below normal rainfall is favoured for all stations for the coming three months.

2. POAMA:

- The most likely outcome for Sola is normal with below normal being the next most likely.
- The most likely outcome at Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum is below normal rainfall with above normal being the next most likely for the coming three months.

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: $X \geq 35$

