

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 95

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	July 2015						
	May 2015 Total	June 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	554.8	190.0	126.0	194.6	310.2	235.7	14/59
Pekoa	210.9	55.1	60.3	60.9	135.6	98.9	16/45
Lamap	238.6	64.3	48.4	60.5	121.4	86.0	14/55
Southern Region							
Bauerfield	276.6	49.6	90.9	47.4	96.0	63.0	28/43
Port Vila	282.2	50.4	36.8	53.6	128.3	76.9	13/63
Whitegrass	310.6	18.4	163.9	53.7	100.2	51.2	41/43
Aneityum	104.1	47.5	249.0	32.1	58.1	112.5	60/64

TABLE 2: Three-monthly Rainfall May – July 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	870.8	729.0	1122.0	936.0	29/59	41:36:24 (12.2)	Near consistent
Pekoa	326.3	352.6	640.3	477.5	15/45	45:22:33 (6.6)	Consistent
Lamap	351.3	313.1	472.4	392.4	25/55	41:29:30 (1.9)	Near consistent
Southern Region							
Bauerfield	417.1	322.6	525.5	439.7	21/43	42:34:24 (6.1)	Near 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).

Port Vila	369.4	340.6	494.9	403.2	27/63	41:31:28 (4.3)	Near-consistent
Whitegrass	492.9	181.3	260.3	222.5	41/44	40:41:19 (3.9)	Near-consistent
Aneityum	400.6	357.9	524.9	449.8	27/63	42:38:20 (9.3)	Near-consistent

May to July 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #91]

Period: *below normal/normal/above normal

Predictors and Period used for April to June 2015 Outlooks (refer to OCOF #90): **Nino3.4 SST Anomalies, January 2015 – March 2015**

TABLE 3: Seasonal Climate Outlooks using SCOPIC for September to November 2015

Predictors and Period used: **Nino 3.4 SST Anomalies, March-July 2015**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	82	104.7	18		9.8	56.3
Pekoa	92	456.9	08		18.9	69.7
Lamap	62	335.2	38		7.7	54.5
Southern Region						
Bauerfield	98	330.0	02		38.9	81.8
Port Vila	93	311.5	07		25.3	75.8
Whitegrass	98	167.5	02		33.4	78.1
Aneityum	91	353.3	09		17.0	57.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	80	873.6	07	1181.3	13	7.0	37.5
Pekoa	97	321.5	03	575.3	00	34.1	57.6
Lamap	79	280.3	08	409.5	13	9.1	36.4
Southern Region							
Bauerfield	95	240.9	03	415.8	2	30.7	63.6
Port Vila	97	240.4	01	397.1	02	28.0	36.4
Whitegrass	85	118.5	15	235.9	00	31.6	62.5
Aneityum	96	262.0	03	422.7	01	27.7	54.5

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
September to November 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Northern Region							
Sola	05	653	59	1094	36		
Pekoa	18	273	52	477	30		
Lamap	18	280	52	360	30		
Southern Region							
Bauerfield	24	227	64	387	12		
Port Vila	24	219	64	310	12		
Whitegrass	12	93	83	159	5		
Aneityum	30	189	64	359	6		

Summary Statements

Rainfall for July 2015:

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

Accumulated rainfall for May to July 2015, including outlook verification:

- Rainfall for the past three months was **below normal** for Pekoa and **normal** for Sola, Lamap, Bauerfield, Port Vila and Aneityum and **above normal** for Whitegrass.
- Outlook was *consistent* for Pekoa, *near consistent* for Sola, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum.

Outlooks for September to November 2015:

1. SCOPIC:

Using Nino 3.4 SST Anomalies,

- The outlook favours **below normal** rainfall for the coming season (September to November) with **normal** being the next more likely for Pekoa, Bauerfield, and Whitegrass, **above normal** being the next most likely at Sola, Lamap, Port Vila and Aneityum.

2. POAMA:

The Outlook favours **Normal** rainfall for the coming season.

DROUGHT WATCH:

In Drought:

- Sola – since April 2015, rainfall required to end this drought is 873.6mm
- Pekoia – since March 2015, rainfall required to end this drought is 321.5mm
- Aneityum – since May 2015, rainfall required to end this drought is 262mm

In Warning: Lamap – since February 2015

Whitegrass – since June 2015

No Warning: Bauerfield and Port Vila

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: $X \geq 35$

