

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 85

**Country Name:** Vanuatu

### TABLE 1: Monthly Rainfall

Station (include data period)	September 2014						
	July 2014 Total	August 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Sola	263.8	35.5	216.2	166.3	264.7	239.5	19/43
Pekoa	63.8	37.6	191.6	68.2	137.0	88.1	39/44
Lamap	151.3	25.0	168.0	44.0	105.1	72.7	48/54
<b>Southern Region</b>							
Bauerfield	125.4	41.2	71.9	40.9	105.2	61.3	25/42
Port Vila	135.5	33.7	142.4	46.7	104.9	74.5	46/62
Whitegrass	40.2	6.0	135.2	20.4	61.5	31.2	39/42
Aneityum	73.8	74.6	184.4	62.1	121.0	95.1	53/63

### TABLE 2: Three-monthly Rainfall July to September 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #81]

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?)
Sola	515.5	592.1	848.1	681.4	10/41	11:51:38(8.3)	Near-consistent
Pekoa	293	228.7	397.3	348.4	18/44	6:48:46(18.5)	Consistent
Lamap	344.3	196.8	299.3	242.8	41/54	28:34:38(3.1)	Consistent
<b>Southern Region</b>							
Bauerfield	238.5	186.2	295.5	239.3	21/42	18:48:34(17)	Consistent
Port Vila	311.6	213.8	336.9	259.1	38/62	22:51:27(3.8)	Consistent
Whitegrass	181.4	107.4	187.9	128.5	28/42	12:50:38(15.3)	Consistent
Aneityum	332.8	268.7	374.3	343.6	31/63	22:56:22(4.8)	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 July to September 2014 Outlooks (refer to OCOF #79):  
**March – May 2014, SST 1 & 9**

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
November 2014 to January 2015**

**Predictors and Period used: July – Sep, Nino 3.4**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Sola	54	1186.8	46		2.6	51.6
Pekoa	57	625.1	43		13.2	71.0
Lamap	55	478.6	45		6.6	66.7
<b>Southern Region</b>						
Bauerfield	60	553.3	40		18.9	75.0
Port Vila	74	576.9	26		38.6	78.1
Whitegrass	56	340.1	44		2.6	64.5
Aneityum	54	604.2	46		2.5	50.0

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Sola	37	1039.2	34	1357.6	29	4.1	41.9
Pekoa	38	604.7	39	822.8	23	16.5	54.8
Lamap	38	448.6	37	555.1	25	7.8	36.7
<b>Southern Region</b>							
Bauerfield	41	450.8	41	695.5	18	21.8	62.5
Port Vila	43	447.9	41	670.3	16	25.0	46.9
Whitegrass	41	268.0	36	405.5	23	11.8	45.2
Aneityum	38	449.7	32	693.1	30	5.2	46.9

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
November 2014 to January 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Sola	43	824	21	1228	36		
Pekoa	46	383	24	597	30		
Lamap	46	316	24	421	30		
<b>Southern Region</b>							
Bauerfield	33	327	40	499	27		
Port Vila	33	303	40	461	27		
Aneityum	5	286	77	413	18		

### Summary Statements

#### **Rainfall for September 2014:**

- Rainfall for the past month (September) was *above normal* for Pekoa, Lamap, Port Vila, Whitegrass and Aneityum, and *normal* for Sola and Bauerfield.

#### **Accumulated rainfall for July to September 2014, including outlook verification:**

- Rainfall for the past three months was *normal* for Pekoa, Bauerfield, Port Vila, Whitegrass and Aneityum, *Above normal* for Lamap and *below normal* for Sola.
- The July to September outlook was consistent with the observed rainfall for all stations except at Sola where it was near consistent.

#### **Outlooks for November 2014 to January 2015:**

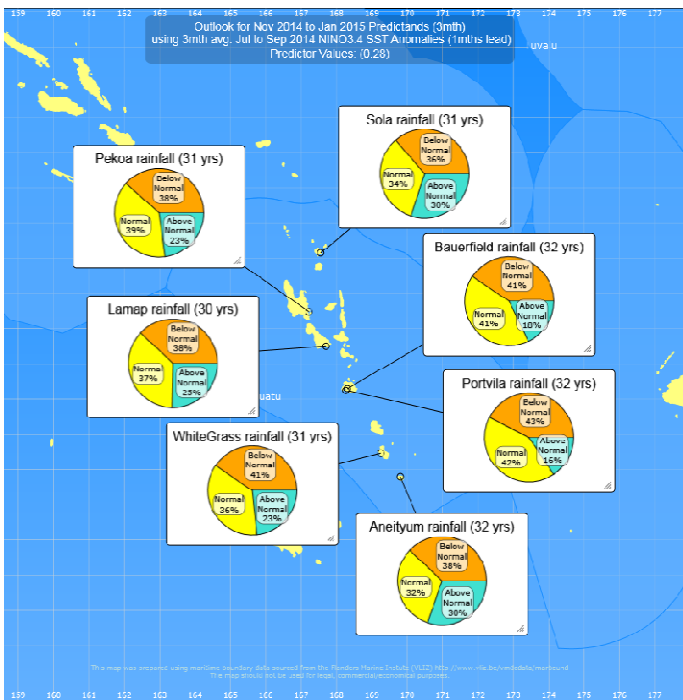
##### **1. SCOPIC:**

The seasonal rainfall outlook for November 2014 to January 2015 shows:

- For Sola and Aneityum the outlook offers little guidance for the coming season as the chances of above-normal, normal and below-normal rainfall are similar.
- For Pekoa and Sola in Northern Vanuatu and Bauerfield and Port Vila in Southern Vanuatu there is a near equal likelihood of below normal or normal rainfall (with above normal the least likely).
- At Whitegrass in Southern Vanuatu, the most likely outcome is below normal, with normal the next most likely.

##### **2. POAMA:**

- The most likely outcome at Sola, Pekoa and Lamap is below normal with above normal the next most likely.
- The most likely outcome at Bauerfield, Port Vila and Aneityum is normal with above normal the next most likely.



**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:  $X \geq 35$