

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 86

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	October 2014						
	August 2014 Total	September 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Sola	35.5	216.2	536.2	214.3	463.1	340.8	37/44
Pekoa	37.6	191.6	273.6	90.1	172.6	132.5	38/43
Lamap	25.0	168.0	191.3	64.4	160.7	101.9	39/54
Southern Region							
Bauerfield	41.2	71.9	379.5	56.9	140.7	92.2	41/42
Port Vila	33.7	142.4	250.5	57.2	129.5	88.5	60/62
Whitegrass	6.0	135.2	39.4	19.9	62.7	34.1	26/43
Aneityum	74.6	184.4	149.7	59.3	139.7	85.1	48/63

TABLE 2: Three-monthly Rainfall August to October 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #82]

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	787.9	629.3	966.3	811.9	22/42	47:21:32(8.5)	Near-consistent
Pekoa	502.8	269.4	421.1	342.9	34/43	48:37:15(18.5)	Inconsistent
Lamap	384.3	218.5	330.0	258.5	38/54	52:23:25(13.5)	Inconsistent
Southern Region							
Bauerfield	492.6	209.4	312.7	273.7	39/42	54:34:12(28.6)	Inconsistent
Port Vila	426.6	220.1	333.9	295.1	54/62	56:36:8(32.2)	Inconsistent
Whitegrass	180.6	102.1	187.0	147.6	27/42	61:21:18(27.2)	Near-consistent
Aneityum	408.7	280.6	387.2	336.0	44/63	50:30:20(14.3)	Inconsistent

Period: *below normal/normal/above normal

* 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).

Predictors and Period used for August to October 2014 Outlooks (refer to OCOF #82): Nino
3.4 SST Anomalies, May – June.

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
December 2014 to February 2015**

Predictors and Period used:

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Sola	51.4	1112.6	48.6		-2.4	43.3
Pekoa	51.6	756.5	48.4		-2.6	46.7
Lamap	51.4	584.0	48.6		-2.9	50.0
Southern Region						
Bauerfield	63.7	799.5	36.3		20.4	71.9
Port Vila	68.0	712.4	32.0		26.1	71.9
Whitegrass	56.8	488.2	43.2		2.8	54.8
Aneityum	61.4	726.9	38.6		16.6	68.8

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Sola	34.5	1003.3	35.9	1204.9	29.6	-1.6	36.7
Pekoa	35.2	709.0	33.6	895.4	31.1	-1.8	43.3
Lamap	36.5	530.0	32.8	706.1	30.7	-1.7	16.7
Southern Region							
Bauerfield	42.3	652.0	36.7	894.6	21.0	19.6	59.4
Port Vila	46.6	613.0	45.8	811.6	7.6	32.4	62.5
Whitegrass	39.9	355.0	36.2	542.9	23.9	3.2	41.9
Aneityum	41.5	582.1	29.7	880.8	28.7	9.9	34.4

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
December 2014 to February 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Sola	39.39	855	36.36	1127	24.24		
Pekoa	39.39	693	27.27	918	33.33		
Lamap	39.39	487	27.27	649	33.33		
Southern Region							
Bauerfield	15.15	604	45.45	867	39.39		
Port Vila	15.15	579	45.45	750	39.39		
Aneityum	36.36	475	36.36	899	27.27		

Summary Statements

Rainfall for October 2014:

- Rainfall for the past month (October) was *above normal* for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila and Aneityum) except for Whitegrass which recorded *normal* rainfall.

Accumulated rainfall for August to October 2014, including outlook verification:

- Rainfall for the past three months was *above normal* for all stations except Sola and Whitegrass which recorded normal rainfall.
- The outlooks were inconsistent with the observed rainfall for all stations except Sola and Whitegrass where the outlook was consistent.

Outlooks for December 2014 to February 2015:

1. SCOPIC:

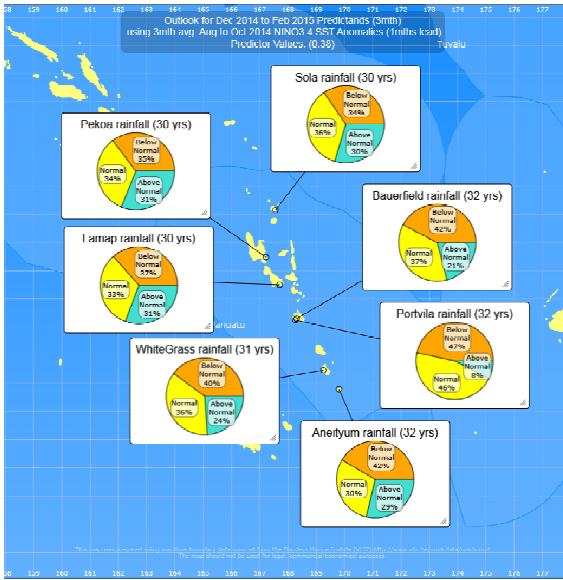
For December 2014 to February 2015:

- The outlook offers little guidance Sola, Pekoa and Lamap as the chances of above-normal, normal and below-normal rainfall are similar.
- The most likely outcome at Bauerfield, Whitegrass and Aneityum is below normal with normal the next most likely.
- For Port Vila there is a near equal likelihood of below normal or normal rainfall.

2. POAMA:

- The most likely outcome at 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.

- The most likely outcome at Sola is below normal with normal the next most likely.
- At Aneityum there is equal chances of the outcome being normal and below normal.



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: $X \geq 35$