

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 74

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)			October 2013				
	August 2013 Total	September 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	31.8	198.7	657.8	231.5	475.7	364.3	55/60
Pekoa	26.3	127.6	143.8	94.6	185.4	135.3	24/43
Lamap	11.1	119.1	101.9	64.2	152.1	96.2	28/53
Southern Region							
Bauerfield	45.3	96.3	123.7	56.9	137.7	92.2	24/41
Port Vila	19.9	94.6	74.5	56.2	129.6	93.2	26/61
Whitegrass	30.2	69.3	85.3	19.7	45.4	34.1	35/42
Aneityum	129.9	96.0	158.6	58.5	139.3	81.0	49/62

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	888.3	632.8	1070.7	864.7	31/58	7.1:44.8:48.1(15.9)	Near Consistent
Pekoa	297.7	269.4	427.2	357.2	16/43	13.6:44.9:41.5(11.7)	Consistent
Lamap	232.1	222.8	330.1	271.1	21/53	16.5:34.4:49.1(9.3)	Near Consistent
Southern Region							
Bauerfield	265.3	204.3	309.4	275.9	20/41	11:33.1:55.9(25.3)	Near Consistent
Port Vila	189	226.6	337.1	294.5	18/61	17:36.9:46.1(14.5)	Inconsistent
Whitegrass	184.8	91	216.8	151.3	25/41	2.0:46.4:51.6 (25.7)	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).

Aneityum	384.5	280.5	386.1	338.9	40/62	21.2:33:45.8(6.8)	Near-consistent
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August to October 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #70]

Period:*below normal/normal/above normal

Predictors and Period used for August to October 2013 Outlooks (refer to OCOF #70): SST 1 & 9, April –June 2013.

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
December 2013 to February 2014**

Predictors and Period used:

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	31.8	1101.1	68.2		1.9	58.6
Pekoa	33.7	765.8	66.3		2.1	59.5
Lamap	37.3	587.6	62.7		8.5	65.4
Southern Region						
Bauerfield	40.9	778.3	59.1		13.7	64.1
Port Vila	39.0	724.9	61.0		12.3	68.3
Whitegrass	42.4	438.5	57.6		10.0	62.5
Aneityum	52.8	723.1	47.2		6.1	60.7

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	23.6	1004.5	24.0	1205.5	52.4	1.3	22.4
Pekoa	31.5	694.2	19.5	895.8	49.0	-0.8	38.1
Lamap	21.5	550.8	46.5	709.2	32.0	10.6	46.2
Southern Region							
Bauerfield	19.8	655.1	34.9	862.4	45.3	21.3	48.7
Port Vila	21.6	611.9	30.9	816.5	47.5	17.4	46.7
Whitegrass	20.1	338.3	45.8	503.7	34.1	12.4	57.5
Aneityum	20.8	562.7	43.6	878.7	35.6	9.9	44.3

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
December 2013 to February 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Northern Region							
Sola	36.67	855	13.33	1127	50.00		
Pekoa	33.33	693	23.34	918	43.33		
Lamap	33.33	487	23.43	649	43.33		
Southern Region							
Bauerfield	33	604	27	867	40		
Port Vila	33.33	579	26.67	750	40.00		
Aneityum	37	475	20	899	43		

Summary Statements

Rainfall for October 2013:

- Rainfall for the past Month (October) was *above normal* for Sola, Whitegrass and Aneityum while the rest of the stations recorded *normal* rainfall; Pekoa, Lamap and Whitegrass, Bauerfield and Port Vila.

Accumulated rainfall for August–October 2013, including outlook verification:

- Total Rainfall for the past three months (August to October 2013) was *normal* for all stations except Port Vila which recorded *below normal* rainfall. Forecast was *Near Consistent* for Sola, Bauerfield, Lamap, Aneityum and Whitegrass. *Consistent* for Pekoa. Forecast was *inconsistent* for Port Vila.

Outlooks for December 2013–February 2014:

1. SCOPIC:

- Northern Region: *Above normal* rainfall is favored for all stations except for Lamap station which favors normal rainfall. (Confidence: Very low to Moderate)
- Southern Region: *Above normal* rainfall is favored for Bauerfield and Port Vila while normal rainfall is favoured for Whitegrass and Aneityum. (Confidence: Moderate to High)
- Overall *normal to above normal rainfall* is favored for the next three months. (Confidence: Good)

2. POAMA:

- Above Normal rainfall is favoured for all stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila and Aneityum) for the next three months (December 2013 to February 2014)

NB: The X LEPS % score has been categorised as follows:

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

Moderate $5 \leq X < 10$

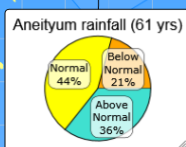
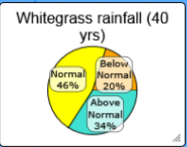
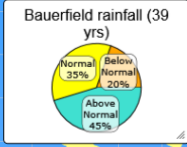
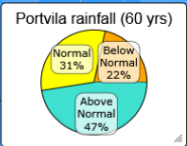
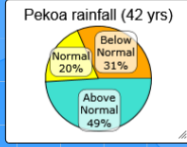
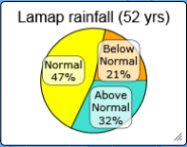
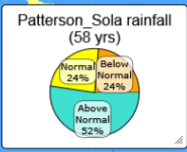
Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$

Exceptional: $X \geq 35$

Outlook for Dec 2013 to Feb 2014 Predictands (3mth)
 using 3mth avg. Aug to Oct 2013 SST Indices 1 and 9 (1mths lead)
 Predictor Values: (0.52, 1.87)



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