Pacific Islands - Online Climate Outlook Forum (OCOF) No. 96

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)			August 2015				
	June 2015 Total	July 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Northern Region							
Sola	**190.0**	**126.0**	**167.5**	138.7	263.0	188.2	26/60
Pekoa	**55.1**	**60.3**	**103.2**	56.5	111.1	81.2	27/45
Lamap	**64.3**	**48.4**	**51.1**	50.3	91.7	68.5	19/55
Southern Region							
Bauerfield	**49.6**	**90.9**	**47.5**	45.9	97.5	67.7	16/43
Port Vila	**50.4**	**36.8**	**60.2**	48.5	101.3	79.6	25/63
Whitegrass	**18.4**	**163.9**	**162.2**	19.2	56.7	30.2	41/44
Aneityum	**47.5**	**249.0**	**160.2**	71.0	138.8	104.6	48/64

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	**483.5**	594.8	878.6	752.4	6/41	**48**:19:33(8.8)	Consistent
Pekoa	**218.6**	260.9	508 508.5	406.9	10/45	**52**:18:30(8.9)	Consistent
Lamap	**163.8**	243.2	365.9	296.5	6/54	**49**:37:14(15.4)	Consistent
Southern Region							
Bauerfield	**188.0**	284.4	379.5	335.2	8/43	**39**:33:28(-0.2)	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	**147.4**	262.0	508.5	326.9	7/63	**46**:16:38(-0.1)	Consistent
Whitegrass	**344.5**	136.3	237.1	172.3	40/43	**47**:34:19(6.0)	Inconsistent
Aneityum	**456.7**	307.9	449.0	394.7	43/64	**43**:33:24(3.4)	Inconsistent

June to August 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #92]

Period:*below normal/normal/above normal

Predictors and Period used for June to August 2015 Outlooks (refer to OCOF #92):

NINO3.4 SST Anomalies, February – April 2015

TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2015

Predictors and Period used: Nino 3.4 SST Anomalies, June – August 2015

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Northern Region						
Sola	74	1073.20	26		-1.7	54.5
Pekoa	95	5237.2	05		22.2	69.7
Lamap	*65*	*380.6*	*335*		*-1.4*	*54.5*
Southern Region						
Bauerfield	97	447.8	03		29.4	81.8
Port Vila	100	428.8	00		45.7	84.8
Whitegrass	96	184.3	04		25.7	81.8
Aneityum	94	393.4	06		19.1	66.7

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Northern Region							
Sola	84	887.7	03	1285.2	13	5.1	45.5
Pekoa	89	411.8	09	656.1	02	21.3	54.5
Lamap	57	337.2	34	461.1	09	5.1	48.5
Southern Region							
Bauerfield	82	346.5	16	530.3	02	18.4	63.6
Port Vila	87	319.8	13	506.7	00	38.7	63.6
Whitegrass	96	134.9	04	231.2	00	*30.7*	*54.5*
Aneityum	72	286.3	27	500.6	01	22.4	45.5

TABLE 4: Seasonal Climate Outlooks using POAMA2 for October to December 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Northern Region							
Sola	95	824	5	1228	0		
Pekoa	91	383	5	597	4		
Lamap	91	316	5	421	4		
Southern Region							
Bauerfield	82	327	12	499	6		
Port Vila	82	303	12	461	6		
Whitegrass	88	116	7	186	5		
Aneityum	61	286	33	413	6		

Summary Statements

Rainfall for August 2015:
Rainfall for August was normal for most Stations (Sola, Pekoa, Lamap, Bauerfield, Port Vila) except for White grass and Aneityum which recorded above normal Rainfall.

Accumulated rainfall for June to August 2015, including outlook verification:
Accumulated rainfall for June to August was below normal for Sola, Pekoa, Lamap, Bauerfield and Port Vila while Whitegrass and Aneityum recorded above normal rainfall. The outlook was consistent for most of the stations (Sola, Pekoa, Lamap, Bauerfield and Port Vila) except inconsistent for Whitegrass and Aneityum

Outlooks for October to December 2015:
1. SCOPIC:
Using Nino3.4 SST Anomalies;
The outlook favours below normal rainfall for all stations in the coming 3 months with normal rainfall being the next most likely.

2. POAMA:

The Poama outlook for October to December 2015 favours below normal rainfall for all stations with normal rainfall being the next most likely outcome.

Drought Watch: Using 6mnth SPI Drought method

Warning: Lamap since February 2015

In Drought: - Sola since April 2015

- Pekoa since March 2015
- Aneityum since May 2015

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

Very Low: X < 0.0 Low: 0 ≤ X < 5 Moderate 5 ≤ X < 10 Good: 10 ≤ X < 15 High: 15≤ X < 25

Very High: 25 ≤X < 35 Exceptional: X ≥ 35