

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 118

Country Name: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	June 2017						
	April 2017 Total	May 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Sola	500.0	689.1	166.1	215.7	425.9	317.7	8/43
Pekoa	201.8	527.9	32.5	100.1	253.7	149.7	4/47
Lamap	353.0	218.6	67.5	74.9	169.3	102.8	15/56
Bauerfield	598.0	403.0	74.3	102.7	192.0	122.3	9/45
Port Vila	320.0	257.7	47.3	89.4	162.2	135.8	34/65
Whitegrass	287.5	121.0	77.3	49.3	95.8	67.3	28/46
Aneityum	293.4	330.9	77.1	101.6	172.6	144.8	12/66

**TABLE 2: Three-monthly Rainfall
April to June 2017**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #114]

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	1355.2	1034.9	1261.8	1183.2	31/43	27:36: 37 (10.4)	Consistent
Pekoa	762.2	474.7	783.3	644.7	31/47	29:35: 36 (5.4)	Near-consistent
Lamap	639.1	380.9	576.5	501.5	41/56	27:36: 37 (7.3)	Consistent
Bauerfield	1075.3	468.5	744.8	581.0	44/45	33:31: 36 (2.3)	Consistent
Port Vila	652.0	431.3	636.5	535.0	46/65	27:37: 38 (10.1)	Consistent
Whitegrass	485.8	208.2	329.2	254.7	40/45	28:36: 36 (11.6)	Consistent
Aneityum	701.4	421.1	650.0	572.2	51/65	27:37: 38 (6.1)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for April 2017 to June 2017 Outlooks (refer to OCOF #114):
NINO3.4 (Jan-Feb)

* 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).

TABLE 3: Seasonal Climate Outlooks using SCOPIC for August to October 2017

Predictors and Period used: NINO3.4 (May-June)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Sola	72	812	28		18	67
Pekoa	73	343	27		16	59
Lamap	73	260	27		13	66
Bauerfield	77	276	23		24	68
Port Vila	85	294	15		28	69
Whitegrass	72	149	28		12	64
Aneityum	73	333	27		14	68

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Sola	51	626	28	944	21	9	42
Pekoa	57	258	33	422	10	21	48
Lamap	60	219	26	350	14	16	48
Bauerfield	60	209	32	319	8	27	57
Port Vila	59	220	36	334	5	27	50
Whitegrass	68	112	18	182	14	23	52
Aneityum	61	274	22	387	17	14	42

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Sola	24	490	12	807	64		
Pekoa	49	232	12	360	39		
Lamap	49	210	12	294	39		
Bauerfield	49	193	30	285	21		
Port Vila	49	169	30	300	21		
Whitegrass	49	78	39	159	12		
Aneityum	42	196	49	341	9		

Summary Statements

Rainfall for June 2017:

Rain fall for June was below normal for all stations in Vanuatu, except for Whitegrass which recorded above normal rainfall.

Pekoa station had the fourth driest June month over the last 47 years.

Accumulated rainfall for April to June 2017, including outlook verification:

Rainfall over the last three months was above normal for all Vanuatu stations, except Pekoa where normal rainfall was recorded. Bauerfield registered its second-wettest April to June period on record.

The SCOPIC outlooks for the six stations in Vanuatu were consistent, apart from Pekoa which was near-consistent..

SCOPIC rainfall outlook for the next three months (August – October),

Seasonal rainfall outlooks for the next three months show that below normal is favoured throughout Vanuatu.

POAMA outlooks for August – October:

Below normal is the most likely at a majority of locations, the exceptions being Sola where above normal is favoured, and Aneityum where normal is the 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: $X \geq 35$