Pacific Islands - Online Climate Outlook Forum (OCOF) No. 130

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Apr-2018	May-2018	Jun-2018				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2018)	496.4	348.0	128.0	209.6	422.4	313.8	6/44
Pekoa (1971-2018)	90.3	100.5	90.1	94.0	251.3	137.4	15/48
Lamap (1961-2018)	208.5	144.5	99.5	74.7	168.7	102.2	28/57
Southern Region							
Bauerfield (1972-2018)	55.0	100.9	201.8	97.7	189.7	135.7	34/46
Port Vila (1953-2018)	72.5	71.5	161.5	86.3	160.1	117.6	44/66
Whitegrass (1972-2018)	90.5	36.5	185.8	53.7	98.6	70.4	45/46
Aneityum (1952-2018)	170.2	190.0	262.4	99.0	171.4	141.8	60/67

TABLE 2: Three-month Rainfall for April to June 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 Month-Month 20xx				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Northern Region											
Sola (1971-2018)	972.4	Below normal	1061.6	1276.4	1189.8	14/44	20	35	45	10	Inconsistent
Pekoa (1971-2018)	280.9	Below normal	475.5	777.5	656.3	3/48	20	40	40	6	Near-consistent
Lamap (1961-2018)	452.5	Normal	383.2	597.8	507.0	26/57	21	36	43	8	Near-consistent
Southern Region											
Bauerfield (1972-2018)	357.7	Below normal	470.3	755.7	583.4	11/46	29	29	42	3	Near-consistent
Port Vila (1953-2018)	305.5	Below normal	432.0	635.8	537.6	9/66	18	37	45	11	Inconsistent
Whitegrass (1972-2018)	312.8	Normal	209.2	337.7	264.2	36/47	20	36	44	11	Near-consistent
Aneityum (1952-2018)	622.6	Normal	424.3	651.1	572.6	30/66	21	38	41	7	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for Aug to Oct 2018
Predictor and Period used: NINO3.4 for April to May 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Northern Region						
Sola (1971-2018)	52	813.4	48		10	61
Pekoa (1971-2018)	54	331.5	46		13	57
Lamap (1961-2018)	54	258.5	46		10	56
Southern Region						
Bauerfield (1972-2018)	53	273.7	47		15	60
Port Vila (1953-2018)	57	293.6	43		18	62
Whitegrass (1972-2018)	53	151.2	47		6	60
Aneityum (1952-2018)	55	328.0	45		11	61

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Northern Region							
Sola (1971-2018)	33	626.9	35	936.8	32	7	36
Pekoa (1971-2018)	35	256.8	38	421.8	27	16	49
Lamap (1961-2018)	35	216.2	35	340.2	30	11	44
Southern Region							
Bauerfield (1972-2018)	35	203.1	39	316.5	26	21	56
Port Vila (1953-2018)	38	219.7	40	333.7	22	20	51
Whitegrass (1972-2018)	35	112.0	35	181.4	30	12	40
Aneityum (1952-2018)	36	268.0	35	386.6	29	7	41

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2018

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Northern Region					
Sola	18	490.0	33	807.0	49
Pekoa	39	232.0	31	360.0	30
Lamap	39	210.0	31	294.0	30
Southern Region					
Bauerfield	43	193.0	39	285.0	18
Port Vila	43	169.0	39	300.0	18
Whitegrass	46	78.0	36	159.0	18
Aneityum	46	196.0	30	341.0	24

Summary Statements

Rainfall for June 2018:

Rainfall recorded for month of June was below normal for Sola and Pekoa, normal for Lamap, and above normal for Bauerfield, Port Vila, Whitegrass and Aneityum.

Accumulated rainfall for April to June 2018, including outlook verification:

Accumulated rainfall for the period April – June was below normal for Sola, Pekoa, Bauerfield, and Port Vila. Normal rainfall for Lamap and Aneityum. Above normal rainfall for Whitegrass.

Outlooks for August to October 2018:

1. **SCOPIC:**
   The outlook for August to October at Sola, Lamap, Whitegrass and Aneityum offers little guidance as the chances of above normal, normal and below normal are similar.

   The outlook for the season at Pekoa and Port Vila shows near- equal likelihood of normal and below normal rainfall in the next three months. Above normal is the least likely.

   The outlook for the season at Bauerfield in the next three months shows normal as the most likely outcome, and below - normal as the next most likelihood. Above normal is the least likely.

2. **POAMA:**
   The outlook for August to October at Sola shows that above- normal rainfall is the most likely outcome with normal rainfall as the next most likely.

   At Pekoa and Lamap, the outlook for the season shows below- normal as the mostly likely outcome.

At Bauerfield, Port Vila, Whitegrass and Aneityum, the outlook for the season is below – normal rainfall as the most likely outcome, normal as the next most likely, and above normal as the least likely.

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