

# Pacific Islands - Online Climate Outlook Forum (OCOF) No. 156

Country: Vanuatu

**TABLE 1: Monthly Rainfall**

Station (include data period)	Jun-2020	Jul-2020	Aug-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
<b>Northern Region</b>							
Sola (1971-2020)	718.0	595.2	183.9	130.9	274.9	189.1	22/47
Pekoa (1971-2020)	240.3	65.5	189.9	60.4	103.9	78.7	45/50
Lamap (1961-2020)				49.3	92.3	66.8	
<b>Southern Region</b>							
Bauerfield (1972-2020)	114.7	38.8	135.2	46.6	92.7	63.8	41/48
Port Vila (1953-2020)	76.5	27.5	77.5	42.9	93.2	72.1	37/68
Whitegrass (1972-2020)	9.5	9.5	133.5	22.9	55.4	31.5	42/49
Aneityum (1952-2020)	68.5	146.4	163.5	72.2	136.8	102.5	54/69

**TABLE 2: Three-month Rainfall for June to August 2020**

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 March-April 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
<i>Northern Region</i>											
Sola (1971-2020)	1497.1	Above normal	587.5	963.0	768.1	43/45	48	25	27	8	Inconsistent
Pekoa (1971-2020)	495.7	Above normal	239.3	446.5	387.5	36/50	48	31	21	10	Inconsistent
Lamap (1961-2020)			232.0	337.7	285.0		48	29	23	7	
<i>Southern Region</i>											
Bauerfield (1972-2020)	288.7	Normal	247.8	374.3	328.4	19/48	47	27	26	8	Near-consistent
Port Vila (1953-2020)	181.5	Below normal	238.4	403.0	310.0	15/68	52	24	24	9	Consistent
Whitegrass (1972-2020)	152.5	Normal	135.3	230.1	164.4	22/48	48	29	23	8	Near-consistent
Aneityum (1952-2020)	378.4	Normal	309.1	442.6	391.4	32/69	46	32	22	6	Near-consistent

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2020**

Predictor and Period used: NINO3.4 for July to August 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
<i>Northern Region</i>						
Sola (1971-2020)	47	1173.3	53		1	58
Pekoa (1971-2020)	41	524.1	59		14	59
Lamap (1961-2020)	43	367.6	57		10	68
<i>Southern Region</i>						
Bauerfield (1972-2020)	35	440.5	65		25	72
Port Vila (1953-2020)	35	428.2	65		38	82
Whitegrass (1972-2020)	34	184.3	66		28	71
Aneityum (1952-2020)	41	401.2	59		22	68

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
<i>Northern Region</i>							
Sola (1971-2020)	24	922.3	38	1350.0	38	8	36
Pekoa (1971-2020)	22	422.9	37	606.6	41	25	55
Lamap (1961-2020)	29	325.9	31	450.4	40	16	48
<i>Southern Region</i>							
Bauerfield (1972-2020)	24	314.4	35	553.5	41	13	49
Port Vila (1953-2020)	24	309.3	37	493.6	39	19	45
Whitegrass (1972-2020)	20	138.5	37	208.7	43	26	48
Aneityum (1952-2020)	23	313.9	38	503.1	39	22	49



## **Summary Statements**

### **Rainfall for August 2020:**

Rainfall was above normal at Pekoia, Bauerfield, Whitegrass and Aneityum, and normal at Sola and Port Vila.

Pekoia recorded its sixth-wettest August in 50 years.

### **Accumulated rainfall for June to August 2020, including outlook verification:**

Accumulated rainfall was above normal at Sola and Pekoia, normal at Bauerfield, Whitegrass and Aneityum, and below normal at Port Vila.

The verification of the outlook issued in May was consistent at one site, near-consistent at three sites, and inconsistent at two sites.

### **Outlooks for October to December 2020:**

#### **1. SCOPIC:**

For Pekoia, Lamap, Bauerfield and Whitegrass, the outlook shows above normal as the most likely outcome, with normal the next most likely. Below normal is the least likely.

For Sola, Port Vila and Aneityum, the outlook shows a near-equal likelihood of above-normal and normal rainfall. Below normal is the least likely.

#### **2. ACCESS-S:**

##### **Monthly rainfall:**

The outlook for October favours above normal rainfall for all stations.

##### **Monthly maximum temperature and minimum temperature:**

The outlook favours above normal for all stations for October.

##### **Seasonal rainfall:**

The outlook favours above normal for rainfall for all stations for the October – December period.

##### **Seasonal maximum and minimum temperature:**

The outlook favours above normal for all stations for the October – December period.

**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:  $X \geq 35$

## **Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders**

Product	Date: July 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
EAR Watch	24 <sup>th</sup>	VMGD-Van-KIRAP Staffs, Oxfam Vanuatu, Action Aid Vanuatu, University of the South Pacific (USP), Vanuatu Statistics Office, SPREP, Vanuatu National Disaster Management Office (NDMO), Media-Vanuatu, Vanuatu Red Cross Society, Matevulu College, Onesua Presbyterian College, Aore Adventist College, Tafea College, CSU, Vanuatu Care International, Save the Children Vanuatu, UNDP, Shefa Education, Live & Learn, UN-Women, Vanuatu Christian Council (VCC), GCF Private Consultants, Vanuatu Society of People Living with Disability, Unelco Vanuatu, World Health Organization, Vanuatu Meteorology & Geo-Hazards Department (Staffs), General Public (Website and VMGD Call-Center).	206	104	102
Vanuatu Ocean Outlook	24 <sup>th</sup>	VMGD-Van-KIRAP Staffs, Oxfam Vanuatu, Action Aid Vanuatu, University of the South Pacific (USP), Vanuatu Statistics Office, SPREP, Vanuatu National Disaster Management Office (NDMO), Media-Vanuatu, Vanuatu Red Cross Society, Matevulu College, Onesua Presbyterian College, Aore Adventist College, Tafea College, CSU, Vanuatu Care International, Save the Children Vanuatu, UNDP, Shefa Education, Live & Learn, UN-Women, Vanuatu Christian Council (VCC), GCF Private Consultants, Vanuatu Society of People Living with Disability, Unelco Vanuatu, World Health Organization, Vanuatu Meteorology & Geo-Hazards Department (Staffs), General Public (Website and VMGD Call-Center).	206	104	102
Vanuatu Climate Update	24 <sup>th</sup>	VMGD-Van-KIRAP Staffs, Oxfam Vanuatu, Action Aid Vanuatu, University of the South Pacific (USP), Vanuatu Statistics Office, SPREP, Vanuatu National Disaster Management Office (NDMO), Media-Vanuatu, Vanuatu Red Cross Society, Matevulu College, Onesua Presbyterian College, Aore Adventist College, Tafea College, CSU, Vanuatu Care International, Save the Children Vanuatu, UNDP, Shefa Education, Live & Learn, UN-Women, Vanuatu Christian Council (VCC), GCF Private Consultants, Vanuatu Society of People Living with Disability, Unelco Vanuatu, World Health Organization, Vanuatu Meteorology & Geo-Hazards Department (Staffs), General Public (Website and VMGD Call-Center).	206	104	102
Round island trip	25 <sup>th</sup>	<b>Notice Boards:</b> Mangaliliu (1), Sama Village (1), Forari, Eton, Takara, Teouma.	2	2	0
<b>Total</b>			208	106	102