

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 153

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2020	Apr-2020	May-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
<b>Northern Region</b>							
Sola (1971-2020)	366.9	905.6	171.6	294.6	454.8	366.3	6/48
Pekoa (1971-2020)	195.8	1120.7	155.5	118.1	225.8	198.3	24/50
Lamap (1961-2020)	112.5			109.3	194.9	144.5	
<b>Southern Region</b>							
Bauerfield (1972-2020)	464.1	204.9	101.3	101.0	221.3	148.6	18/48
Port Vila (1953-2020)	407.0	168.8	105.1	99.9	182.5	138.5	26/68
Whitegrass (1972-2020)	67.0	186.6	140.3	45.0	106.8	70.6	41/49
Aneityum (1952-2020)	163.0	373.1	260.3	114.8	203.3	165.5	54/68

**TABLE 2: Three-month Rainfall for March to May 2020**

Station	Three-month Total	33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 December 19-January 20				Verification: Consistent, Near-consistent, Inconsistent?	
	Rainfall (mm)					B-N	N	A-N	LEPS		
<i>Northern Region</i>											
Sola (1971-2020)	1444.1	Above normal	1151.1	1379.0	1298.3	38/48	43	30	27	11	Inconsistent
Pekoa (1971-2020)	1472.0	Above normal	607.6	866.8	699.9	50/50	39	32	29	4	Inconsistent
Lamap (1961-2020)			577.4	724.3	615.3		39	35	26	4	
<i>Southern Region</i>											
Bauerfield (1972-2020)	770.3	Normal	600.3	875.8	749.0	27/48	38	31	31	1	Near-consistent
Port Vila (1953-2020)	680.9	Normal	602.8	819.7	715.1	30/68	39	34	27	5	Near-consistent
Whitegrass (1972-2020)	393.9	Normal	323.9	468.1	363.4	28/49	42	39	19	14	Near-consistent
Aneityum (1952-2020)	796.4	Normal	604.8	886.6	726.4	42/68	38	33	29	1	Near-consistent

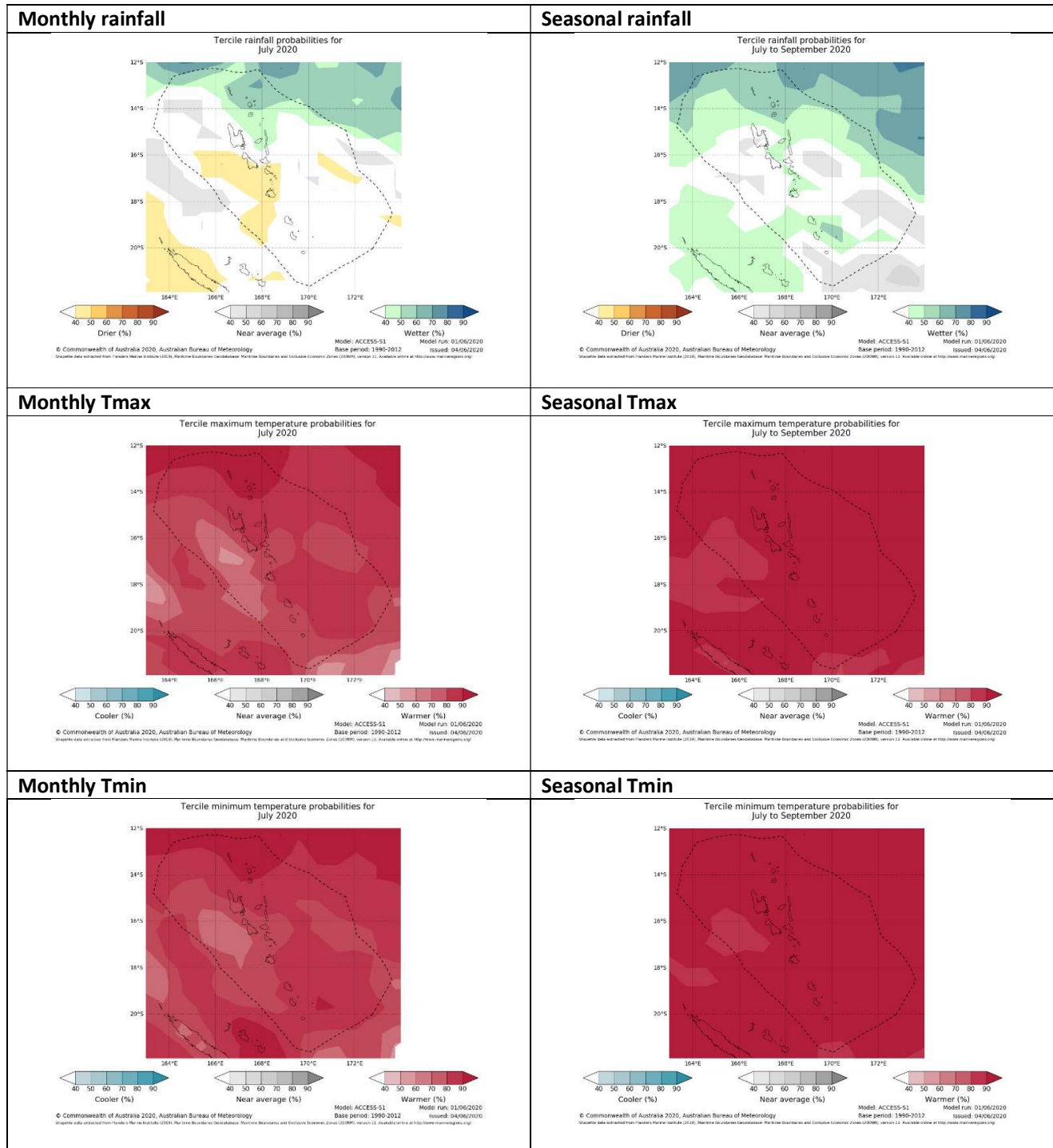
**TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2020**

Predictor and Period used: NINO3.4 for April to May 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)	57	619.4	43		11	67
Pekoa (1971-2020)	71	300.6	29		47	82
Lamap (1961-2020)	60	243.5	40		14	70
<i>Southern Region</i>						
Bauerfield (1972-2020)	63	235.6	37		33	75
Port Vila (1953-2020)	63	255.6	37		22	67
Whitegrass (1972-2020)	61	127.2	39		20	68
Aneityum (1952-2020)	57	330.9	43		7	63

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)	37	529.3	35	831.0	28	7	42
Pekoa (1971-2020)	39	202.0	36	395.6	25	16	47
Lamap (1961-2020)	40	196.8	38	299.3	22	13	51
<i>Southern Region</i>							
Bauerfield (1972-2020)	39	179.0	41	273.0	20	29	55
Port Vila (1953-2020)	42	187.2	38	327.4	20	20	57
Whitegrass (1972-2020)	40	106.1	32	180.9	28	14	53
Aneityum (1952-2020)	40	267.1	32	372.9	28	10	56

# Monthly and Seasonal Climate Outlooks using ACCESS-S for July to September 2020



**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:  $X \geq 35$

## **Summary Statements**

### **Rainfall for May 2020:**

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

Data for Lamap was not available as the AWS is still down since the severe Tropical Cyclone Harold in April.

### **Accumulated rainfall for March to May 2020, including outlook verification:**

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

Pekoia recorded its wettest March to May in 50 years. Accumulated rainfall for Lamap was not available.

### **Outlooks for July to September 2020:**

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

For Port Vila, Whitegrass and Aneityum, the outlook shows below-normal as the most likely outcome, with normal the next most likely. Above-normal is the least likely.

For Sola, Pekoia, Lamap and Bauerfield, the outlook shows a near-equal likelihood of below-normal and normal rainfall. Above-normal is the least likely.

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

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

Outlook for Sola favours wetter than average conditions.

At Saratamata, outlook shows wetter than average conditions as the most likely outcome.

At Lamap, Bauerfield and Port Vila, outlook shows below-normal as the most likely outcome.

For the remaining stations, the outlook offers little guidance as the chances of wetter, near-average and drier than average are similar.

##### **Monthly maximum temperature:**

Outlook favours above average for all stations.

##### **Monthly minimum temperature:**

Outlook favours above average for all stations.

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

For Sola, outlook favours wetter than average conditions.

At Saratamata, Bauerfield, Port Vila and Whitegrass, outlook shows wetter than average as the most likely outcome.

At Pekoia and Aneityum, the outlook offers little guidance as the chances of wetter, near-average and drier than average are similar.

##### **Seasonal maximum temperature:**

Outlook favours above-average maximum for all stations.

##### **Seasonal minimum temperature:**

Outlook favours above-average minimum temperature for all stations.

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

Product	Date: May 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
EAR Watch	25 <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	25 <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	25 <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> Pango, Eratap, Erakor, Teouma, Eton (6), Forari (2), Panpang , Epau, Ekipe (1), Epau (3), Onesua (1), Paunangisu (2), Emua, Sama, Siviri, Makatia (1), Malafau, Tanoliu, Mangaliliu (3), Mele (1).	20	6	14
Digicel SMS	20 <sup>th</sup>	Torba Province Sanma Province Malampa Province Shefa Province Tafea Province	2,964 27,098 18,271 59,332 8,714	1,521 14,662 9,336 30,831 5,365	1,443 12,436 8,935 28,501 3,349
<b>Total</b>			116,605	61,825	54,780