

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 152

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2020	Mar-2020	Apr-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
<b>Northern Region</b>							
Sola (1971-2020)	266.4	366.9	905.6	350.4	498.8	434.8	48/48
Pekoa (1971-2020)	511.1	195.8	1120.7	185.9	285.5	237.9	50/50
Lamap (1961-2020)	293.0	112.5		164.6	238.7	198.2	
<b>Southern Region</b>							
Bauerfield (1972-2020)	235.9	464.1	204.9	161.5	272.0	193.2	26/48
Port Vila (1953-2020)	204.3	407.0	168.8	139.2	264.8	183.7	30/68
Whitegrass (1972-2020)	236.8	67.0	186.6	56.5	131.7	89.4	40/49
Aneityum (1952-2020)			323.5	149.9	263.2	197.3	51/68

**TABLE 2: Three-month Rainfall for February to April 2020**

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 November-December 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
<i>Northern Region</i>											
Sola (1971-2020)	1538.9	Above normal	1056.4	1326.5	1162.3	43/48	37	33	30	0	Inconsistent
Pekoa (1971-2020)	1827.6	Above normal	722.4	948.9	834.0	50/50	33	34	33	-2	Near-consistent
Lamap (1961-2020)			628.1	755.1	700.9		36	37	27	2	
<i>Southern Region</i>											
Bauerfield (1972-2020)	904.9	Normal	771.3	999.8	905.3	24/48	37	32	31	1	Near-consistent
Port Vila (1953-2020)	780.1	Normal	769.1	920.5	854.8	25/68	40	35	25	6	Near-consistent
Whitegrass (1972-2020)	490.4	Normal	427.0	579.7	500.9	25/49	39	35	26	5	Near-consistent
Aneityum (1952-2020)			685.7	948.7	830.8		36	34	30	0	

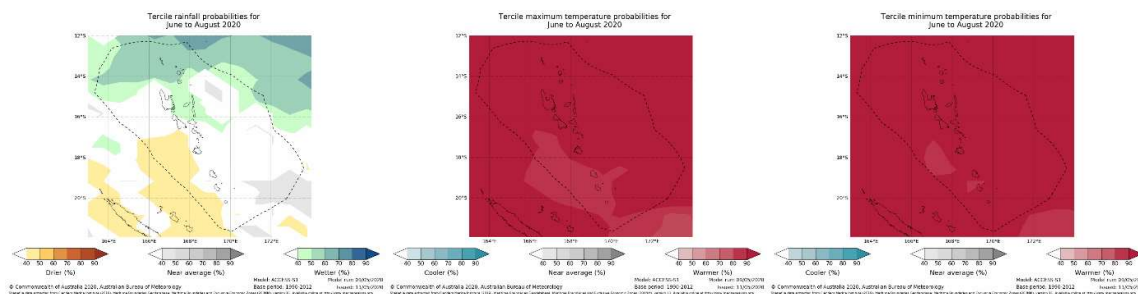
**TABLE 3: Seasonal Climate Outlooks using SCOPIC for June to August 2020**

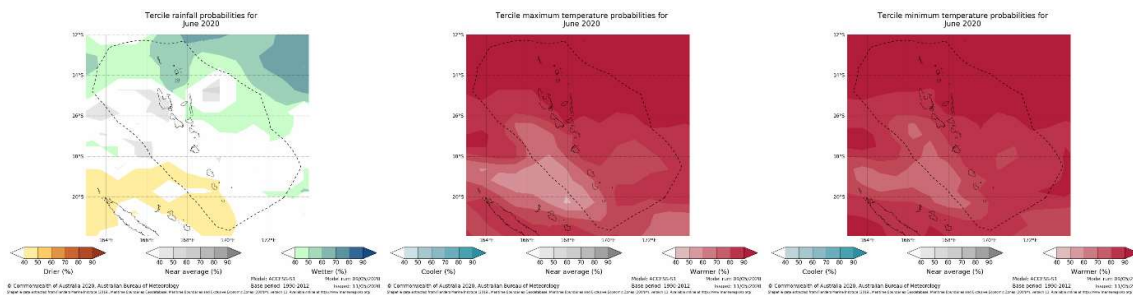
Predictor and Period used: NINO3.4 for March to April 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
<b>Northern Region</b>						
Sola (1971-2020)	62	768.1	38		8	59
Pekoa (1971-2020)	78	387.5	22		27	74
Lamap (1961-2020)	66	285.0	34		11	66
<b>Southern Region</b>						
Bauerfield (1972-2020)	58	328.4	42		2	55
Port Vila (1953-2020)	69	310.0	31		16	64
Whitegrass (1972-2020)	69	164.4	31		11	62
Aneityum (1952-2020)	62	391.4	38		5	58

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
<b>Northern Region</b>							
Sola (1971-2020)	48	587.5	25	963.0	27	8	21
Pekoa (1971-2020)	48	239.3	31	446.5	21	10	43
Lamap (1961-2020)	48	232.0	29	337.7	23	7	46
<b>Southern Region</b>							
Bauerfield (1972-2020)	47	247.8	27	374.3	26	8	45
Port Vila (1953-2020)	52	238.4	24	403.0	24	9	49
Whitegrass (1972-2020)	48	135.3	29	230.1	23	8	40
Aneityum (1952-2020)	46	309.1	32	442.6	22	6	45

**Monthly and Seasonal Climate Outlooks using ACCESS-S for May to July 2020**





## **Summary Statements**

### **Rainfall for April 2020:**

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

Sola and Pekoa recorded their wettest April on record, while data for Lamap was not available as severe Tropical Cyclone *Harold* destroyed the AWS.

### **Accumulated rainfall for February to April 2020, including outlook verification:**

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

Pekoa recorded its wettest February to April on record.

Verification was Near-consistent at four sites, and Inconsistent at one site.

### **Outlooks for June to August 2020:**

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

The outlook throughout Vanuatu shows below normal rainfall as the most likely or favoured outcome, with normal the next most likely at most sites. Above normal rainfall is generally the least likely.

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

##### **Monthly rainfall outlook for June 2020:**

Outlook for Sola favours wetter than average.

For Whitegrass, the outlook shows drier than average 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 and minimum temperatures outlook for June 2020:**

Outlook favours above average temperature for all stations.

##### **Seasonal rainfall outlook for June to August 2020:**

Rainfall outlook for June to August 2020 shows wetter than average is the most likely outcome for Sola, Pekoa and Saratamata.

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

## Seasonal maximum and minimum temperature for June to August 2020:

Outlook favours above average for all stations.

**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: April 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
EAR Watch	23 <sup>rd</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	23 <sup>rd</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	23 <sup>rd</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
<b>Total</b>			226	104	102