

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 164

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2021	Mar-2021	Apr-2021				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2021)	151.2	646.0	266.4	356.9	509.9	436.0	6/49
Pekoa (1971-2021)	218.1	384.2	184.5	190.9	301.6	240.3	17/51
Lamap (1961-2021)	116.5	458.5	112.0	164.6	238.7	198.2	7/60
Southern Region							
Bauerfield (1972-2021)	165.0	287.0	229.1	162.8	271.9	193.6	28/49
Port Vila (1953-2021)	230.5	191.5	104.0	141.3	257.6	182.4	9/69
Whitegrass (1972-2021)	92.2	166.0	42.7	57.3	143.9	90.5	13/50
Aneityum (1952-2021)	142.8	176.0	363.5	151.0	282.2	204.2	58/70

TABLE 2: Three-month Rainfall for February to April 2021

Station	Three-month Total	33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 November-December 2020				Verification: Consistent, Near-consistent, Inconsistent?	
	Rainfall (mm)					B-N	N	A-N	LEPS		
<i>Northern Region</i>											
Sola (1971-2021)	1063.6	Below normal	1065.1	1329.8	1205.5	17/49	27	33	40	0	Inconsistent
Pekoa (1971-2021)	786.8	Normal	730.4	956.2	844.5	21/51	37	30	33	-2	Near-consistent
Lamap (1961-2021)	687.0	Normal	628.1	755.1	700.9	29/60	28	26	46	2	Near-consistent
<i>Southern Region</i>											
Bauerfield (1972-2021)	681.1	Below normal	778.6	999.5	905.1	10/49	24	37	39	2	Inconsistent
Port Vila (1953-2021)	526.0	Below normal	769.9	919.9	850.2	7/69	23	30	47	6	Inconsistent
Whitegrass (1972-2021)	300.9	Below normal	432.3	576.2	490.4	10/50	22	32	46	5	Inconsistent
Aneityum (1952-2021)	682.3	Below normal	689.1	927.5	834.4	23/70	29	31	40	-1	Inconsistent

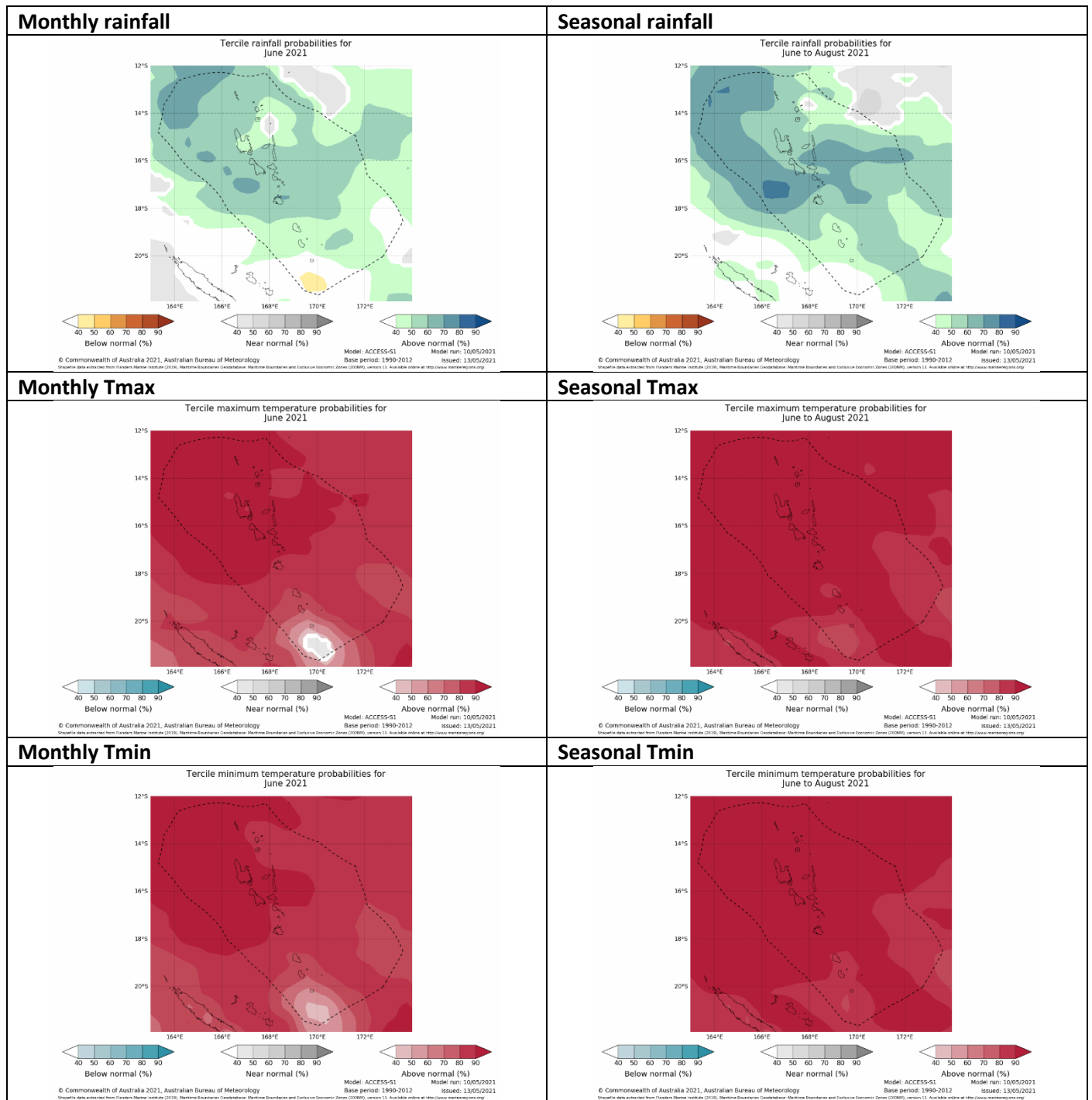
TABLE 3: Seasonal Climate Outlooks using SCOPIC for June to August 2021

Predictor and Period used: NINO3.4 for March to April 2021

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Northern Region						
Sola (1971-2021)	34	775.9	66		6	58
Pekoa (1971-2021)	22	390.5	78		24	74
Lamap (1961-2021)	34	285.0	66		11	66
Southern Region						
Bauerfield (1972-2021)	38	327.2	62		3	58
Port Vila (1953-2021)	28	306.4	72		16	65
Whitegrass (1972-2021)	32	161.2	68		12	63
Aneityum (1952-2021)	36	384.5	64		7	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 (1971-2021)	16	591.1	44	1017.9	40	7	36
Pekoa (1971-2021)	18	240.9	38	460.1	44	8	40
Lamap (1961-2021)	19	232.0	38	337.7	43	7	46
Southern Region							
Bauerfield (1972-2021)	17	254.6	39	373.5	44	8	40
Port Vila (1953-2021)	14	236.1	42	402.9	44	10	47
Whitegrass (1972-2021)	19	136.3	37	229.6	44	8	40
Aneityum (1952-2021)	20	307.9	34	438.4	46	8	48

TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for June to August 2021



Summary Statements

Rainfall for April 2021:

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

Accumulated rainfall for February to April 2021, including outlook verification:

Rainfall was mostly below normal, apart from Pekoa and Lamap where normal rainfall occurred. The verification of the outlook issued in January was near-consistent at two sites, and inconsistent at five sites.

Outlooks for June to August 2021:

1. SCOPIC:

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

At Port Vila, the outlook for the season shows a near-equal likelihood of above normal and normal rainfall. Below normal is the least likely.

At Sola, the outlook shows normal as the most likely outcome, with above normal the next most likely. Below normal is the least likely.

2. ACCESS-S:

Monthly rainfall:

Above normal rainfall is favoured for Shefa and Malampa Province, Malo, and the northern tip of Santo, Ambae, Pentecost, Ureparapara and the Torres group. Above normal rainfall is the most likely outcome for Vanua Lava, Gaua, Santo, Maewo, Erromango, Tanna, Aniwa, and Futuna.

Normal rainfall is the most likely outcome at Mere Lava.

At Aneityum, the outlook shows little guidance.

Monthly maximum and minimum temperature:

Above normal monthly temperatures is favoured for the whole Vanuatu group.

Seasonal rainfall:

The outlook favours above normal rainfall at Shefa, Malampa, Sanma, and Penama Province. For the Torba Province, above normal rainfall is favoured for Torres, Ureparapara, Vanua Lava and Gaua Island. For the Tafea Province, above normal rainfall is favoured for Futuna Island.

The outlook shows above normal rainfall is the most likely outcome for the Tafea province (excluding Futuna Island). For the Torba Province, above normal rainfall is the most likely outcome for Mere Lava and Mota. While there is little guidance for Mota Lava Island.

Seasonal maximum and minimum temperature:

Above normal seasonal temperatures is favoured for the whole Vanuatu group.

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 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	19 TH	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).	212	113	99
EAR Watch	19 TH	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).	212	113	99
Vanuatu Ocean Outlook	19 TH	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).	212	113	99

Vanuatu Climate Update	19 TH	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)	212	113	99
25 Notice board VCU and Tide calendar	23rd	Pango (1), Erakor (3), Eratap (3), Teouma (1), Eton (1), Korongo (1), Korangua School (1), Pangpang (1), Epau (1), Ekiye School (1), Epule (1), Onesua College (1), Emua (1), Saama (1), Malatia School (1), Siviri (1), Malafau (1), Tanoliu (1), Mangaliliu (1), Mele School (1), Waisisi (1)	20 Communities 4 schools	—	—
Total			800+		