

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 165

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2021	Apr-2021	May-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2021)	646.0	266.4	492.9	278.6	453.5	364.9	36/49
Pekoa (1971-2021)	384.2	184.5	233.8	119.5	225.6	184.8	35/51
Lamap (1961-2021)	458.5	112.0	219.5	109.3	194.9	144.5	44/60
Southern Region							
Bauerfield (1972-2021)	287.0	229.1	229.0	101.0	220.6	139.2	36/49
Port Vila (1953-2021)	191.5	104.0	173.5	100.1	179.8	137.8	45/69
Whitegrass (1972-2021)	166.0	42.7	119.5	45.3	111.3	72.5	37/50
Aneityum (1952-2021)	176.0	363.5	252.0	116.7	204.8	166.0	54/69

TABLE 2: Three-month Rainfall for March to May 2021

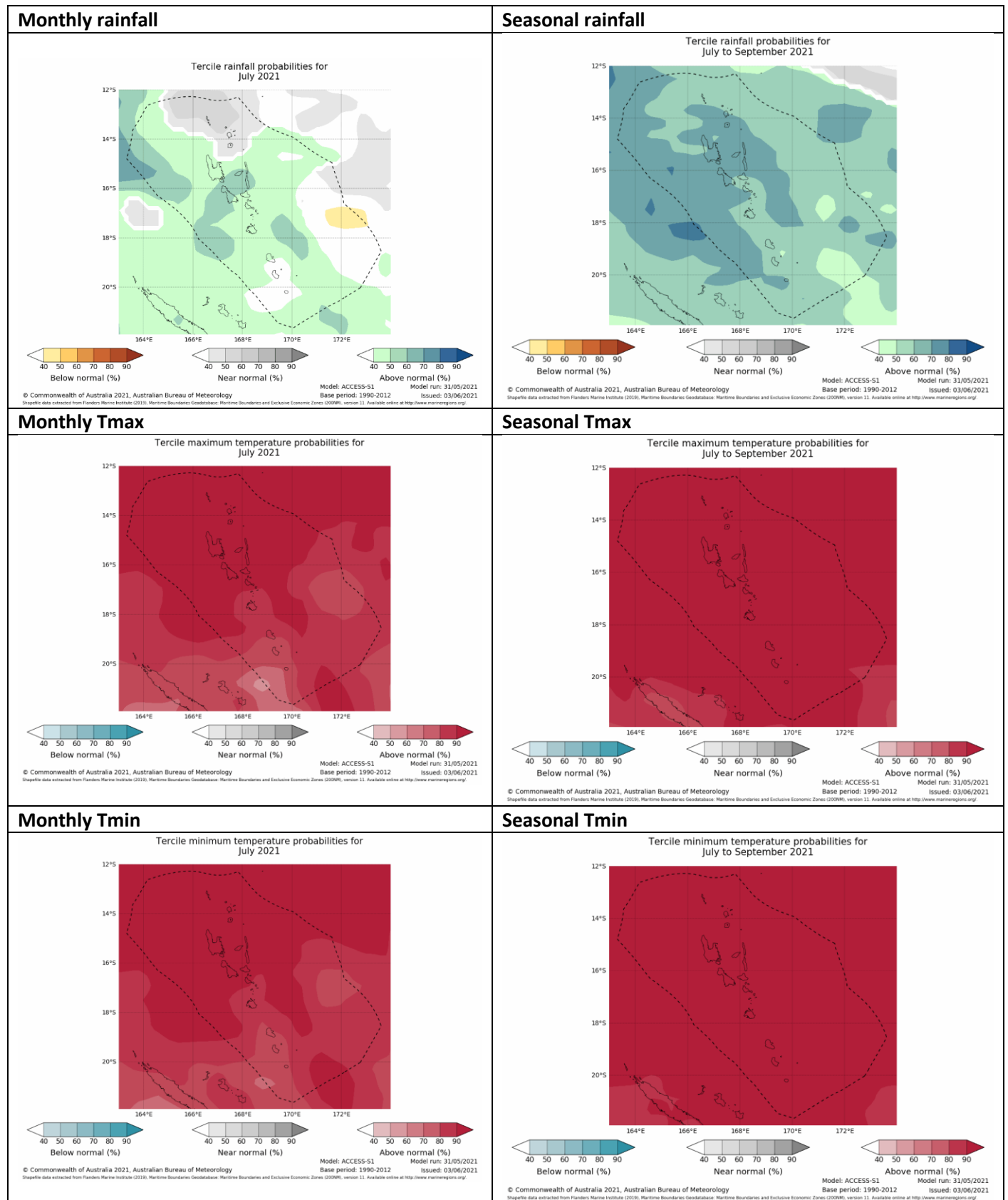
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 Dec 2020-Jan 2021				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Northern Region											
Sola (1971-2021)	1405.3	Above normal	1156.0	1382.9	1299.0	35/49	17	40	43	8	Consistent
Pekoa (1971-2021)	802.5	Normal	608.7	871.0	707.0	31/51	23	38	39	3	Near-consistent
Lamap (1961-2021)	790.0	Above normal	577.4	724.3	615.3	44/60	25	32	43	4	Consistent
Southern Region											
Bauerfield (1972-2021)	745.1	Normal	605.2	869.3	753.2	24/49	26	36	38	1	Near-consistent
Port Vila (1953-2021)	469.0	Below normal	613.4	819.5	704.6	11/69	23	33	44	6	Inconsistent
Whitegrass (1972-2021)	328.2	Normal	327.2	461.7	368.0	19/50	22	28	50	16	Near-consistent
Aneityum (1952-2021)	791.5	Normal	596.1	850.9	715.2	42/69	25	35	40	2	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2021
Predictor and Period used: NINO3.4 for April to May 2021

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Northern Region						
Sola (1971-2021)	35	617.8	65		11	65
Pekoa (1971-2021)	18	300.6	82		42	80
Lamap (1961-2021)	36	244.9	64		14	70
Southern Region						
Bauerfield (1972-2021)	23	235.3	77		30	73
Port Vila (1953-2021)	31	253.5	69		22	69
Whitegrass (1972-2021)	34	129.0	66		16	67
Aneityum (1952-2021)	40	332.8	60		7	64

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)	20	530.0	36	846.7	44	7	41
Pekoa (1971-2021)	16	202.0	37	393.9	47	18	48
Lamap (1961-2021)	23	196.8	32	299.3	45	13	51
Southern Region							
Bauerfield (1972-2021)	10	181.1	36	269.6	54	28	54
Port Vila (1953-2021)	18	187.8	34	325.3	48	20	54
Whitegrass (1972-2021)	17	106.7	40	180.3	43	15	54
Aneityum (1952-2021)	21	267.4	38	373.9	41	8	58

TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for July to September 2021



Summary Statements

Rainfall for May 2021:

Rainfall for May in Vanuatu was above normal for all stations except for Port Vila which recorded normal rainfall.

Accumulated rainfall for March to May 2021, including outlook verification:

Accumulated rainfall for the past three months was above normal at Sola and Peko. Normal rainfall was recorded at Peko, Bauerfield, Whitegrass, Aneityum, while Port Vila had below normal rainfall. The outlook issued in January was verified as Consistent at Sola and Lamap, Near-consistent at Peko, Bauerfield, Whitegrass, and Aneityum, and Inconsistent at Port Vila.

Outlooks for July to September 2021:

1. SCOPIC:

Northern Region, plus Bauerfield and Port Vila: Above normal rainfall is the most likely or favoured outcome, with Normal the most likely.

Whitegrass and Aneityum): The outlook for the season shows near-equal chances of above normal and normal rainfall; below normal is the least likely.

2. ACCESS-S:

Monthly rainfall:

Above normal rainfall is favoured in **July** for Sanma, Penama, Malampa, Shefa and Erromango and Futuna. For Torba Province and some parts of Tafea Province near-normal rainfall is favoured.

Seasonal rainfall:

The seasonal outlook favours above normal rainfall for Vanuatu for **July to September**.

Monthly/Seasonal maximum and minimum temperatures:

Above normal maximum and minimum temperatures are favoured for the whole country for the coming month and season.

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: May 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,	212	113	99

		World Health Organization, Vanuatu Meteorology & Geo-Hazards Department (Staffs), General Public (Website and VMGD Call-Center)			
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			872	<u>456</u>	396