

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 151

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Jan-2020	Feb-2020	Mar-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2020)	500.8	266.4	366.9	285.6	452.6	388.1	24/48
Pekoa (1971-2020)	293.5	511.1	195.8	193.2	283.2	236.3	20/50
Lamap (1961-2020)	164.0	293.0	112.5	198.2	324.3	245.9	8/60
Southern Region							
Bauerfield (1972-2020)	113.1	235.9	464.1	245.6	336.5	291.6	40/48
Port Vila (1953-2020)	112.2	204.3	407.0	248.3	363.0	290.1	52/68
Whitegrass (1972-2020)	107.7	236.8	67.0	142.4	227.9	192.6	5/49
Aneityum (1952-2020)	374.5	306.5	407.6	240.2	382.1	311.2	49/69

TABLE 2: Three-month Rainfall for January to March 2020

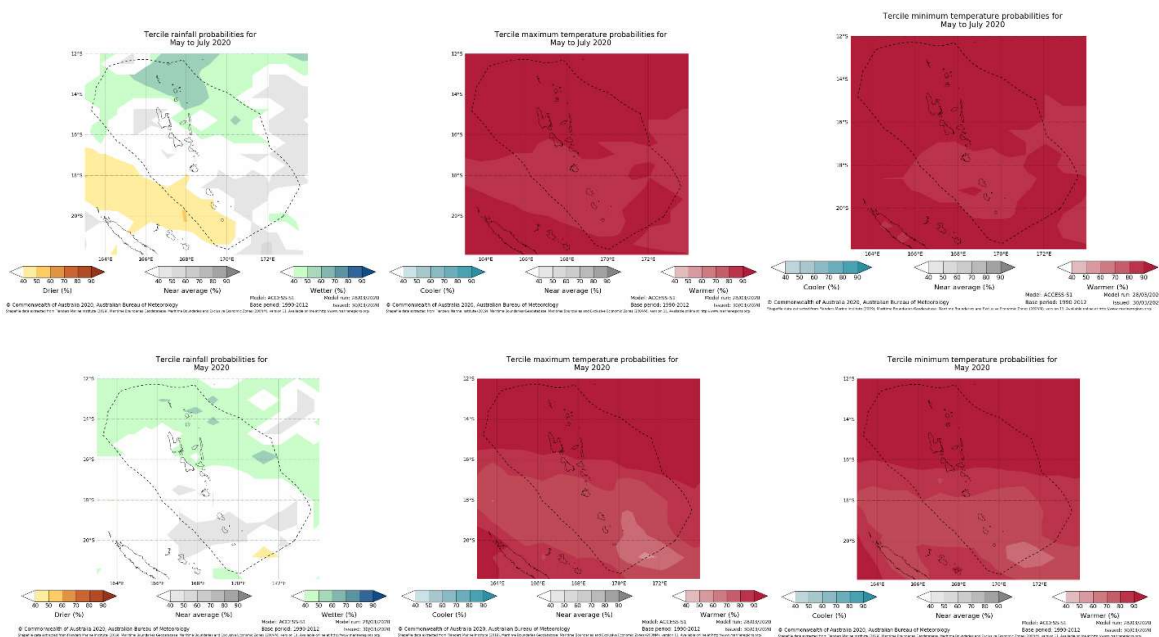
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 October-November 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Northern Region											
Sola (1971-2020)	1134.1	Normal	1004.4	1220.2	1120.0	27/43	40	33	27	3	Near-consistent
Pekoa (1971-2020)	1000.4	Above normal	733.5	971.1	803.9	36/50	40	25	35	1	Inconsistent
Lamap (1961-2020)	569.5	Below normal	641.6	804.6	697.5	16/60	41	34	25	8	Consistent
Southern Region											
Bauerfield (1972-2020)	813.1	Normal	788.5	1022.9	939.4	20/48	41	30	29	7	Near-consistent
Port Vila (1953-2020)	723.5	Below normal	751.9	990.0	862.5	21/68	45	33	22	13	Consistent
Whitegrass (1972-2020)	411.5	Below normal	492.6	670.1	541.5	14/48	40	32	28	5	Consistent
Aneityum (1952-2020)	1088.6	Above normal	732.4	975.0	845.2	54/69	40	34	26	4	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for May to July 2020**Predictor and Period used: NINO3.4 for February to March 2020**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Northern Region						
Sola (1971-2019)	60	923.8	40		13	59
Pekoa (1971-2019)	61	463.2	39		10	67
Lamap (1961-2019)	55	375.5	45		1	64
Southern Region						
Bauerfield (1972-2019)	58	417.1	42		5	57
Port Vila (1953-2019)	64	390.0	36		17	70
Whitegrass (1972-2019)	61	220.7	39		5	60
Aneityum (1952-2019)	59	443.0	41		8	67

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 (1971-2019)	38	745.3	36	1171.5	26	4	34
Pekoa (1971-2019)	41	316.3	31	560.2	28	9	49
Lamap (1961-2019)	38	307.1	35	453.9	27	2	44
Southern Region							
Bauerfield (1972-2019)	41	310.2	35	521.7	24	9	43
Port Vila (1953-2019)	47	301.1	30	477.9	23	17	49
Whitegrass (1972-2019)	41	181.2	39	262.6	20	9	38
Aneityum (1952-2019)	39	358.6	34	524.2	27	6	46

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



Summary Statements

Rainfall for March 2020:

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

Whitegrass recorded its fifth-driest March in 49 years.

Accumulated rainfall for January to March 2020, including outlook verification:

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

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

Outlooks for May to July 2020:

1. SCOPIC:

Outlook for Pekoa, Bauerfield, Port Vila and Aneityum show below-normal as the most likely outcome, with normal the next most likely. Above-normal is the least likely.

The remaining stations show a near-equal likelihood of below-normal and normal rainfall. Above-normal is the least likely.

2. ACCESS-S:

Monthly rainfall outlook for May 2020:

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

For Whitegrass, the outlook favours near-average rainfall.

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 for May 2020:

Outlook favours above average temperature for all stations.

Monthly minimum temperature outlook for May 2020:

Outlook favours above average temperature for all stations.

Seasonal rainfall outlook for May to July 2020:

Outlook for May to July 2020 favours wetter than average for Sola and Saratamata.

For Whitegrass and Aneityum, the outlook favours drier than average, while the remaining stations offer little guidance as the chances of wetter, near-average and drier are similar.

Seasonal maximum temperature for May to July 2020:

Outlook favours above average temperature for all stations.

Seasonal minimum temperature for May to July 2020:

Outlook favours above average temperature 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: March 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
EAR Watch	31 st	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	31 st	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	31 st	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
School Visit	06 th	Pikinini PlayTime Grade 6	30	14	16
Total			236	118	118