

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 154

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	Apr-2020	May-2020	Jun-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2020)	905.6	171.6	718.0	206.9	420.1	305.2	45/46
Pekoa (1971-2020)	1120.7	155.5	240.3	91.0	246.5	122.5	32/50
Lamap (1961-2020)				76.4	168.7	106.5	
Southern Region							
Bauerfield (1972-2020)	204.9	101.3	114.7	102.7	192.0	135.7	19/48
Port Vila (1953-2020)	168.8	105.1	76.5	89.4	161.5	127.0	19/68
Whitegrass (1972-2020)	186.6	140.3	9.5	49.3	95.8	70.4	3/49
Aneityum (1952-2020)	373.1	260.3	68.5	97.6	172.6	141.8	11/69

TABLE 2: Three-month Rainfall for April to June 2020

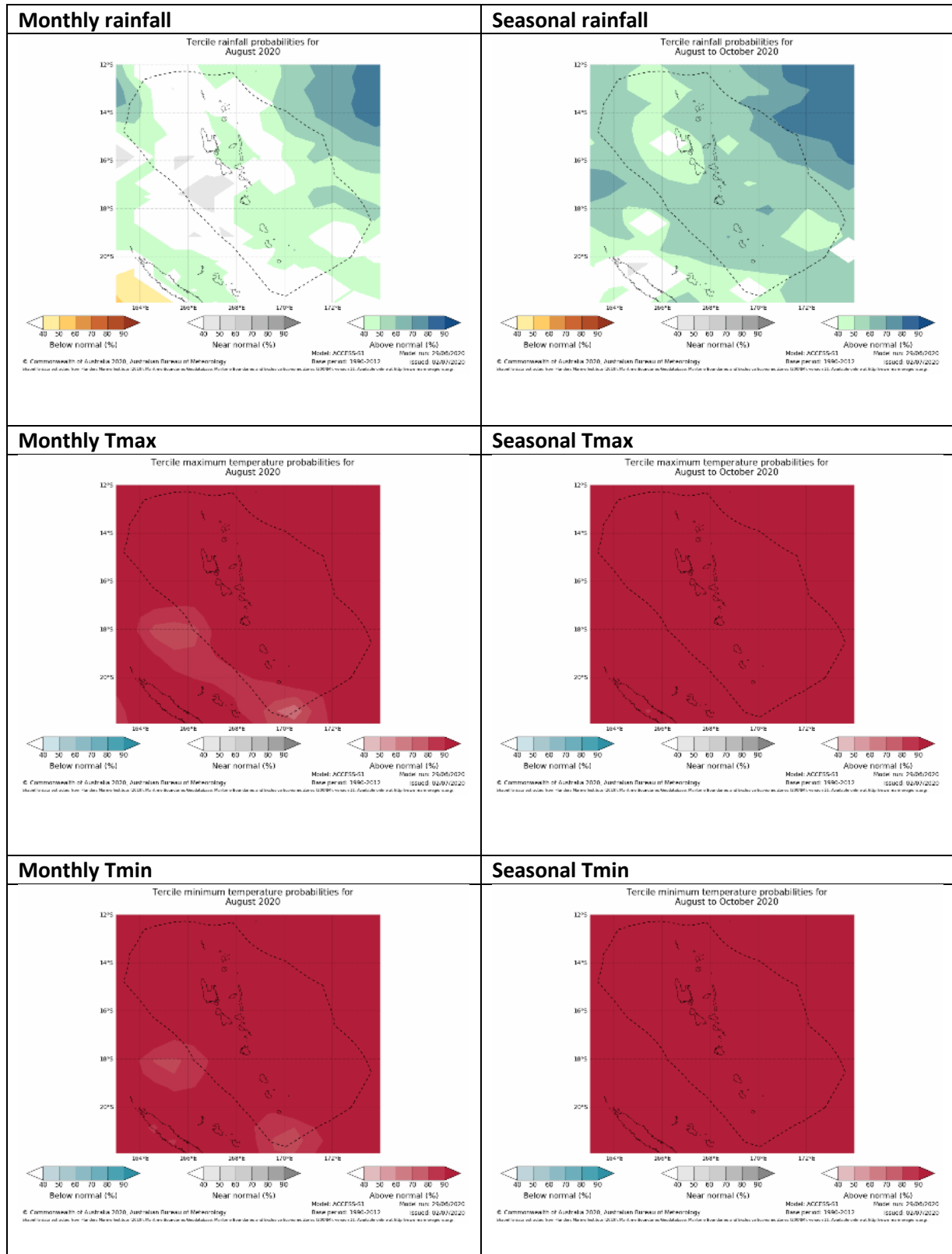
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 January-February 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Northern Region											
Sola (1971-2020)	1895.1	Above normal	1034.9	1261.8	1176.7	46/46	39	36	25	9	Inconsistent
Pekoa (1971-2020)	1516.5	Above normal	472.6	765.9	633.0	50/50	40	31	29	3	Inconsistent
Lamap (1961-2020)			389.8	585.2	501.5		41	30	29	7	
Southern Region											
Bauerfield (1972-2020)	420.9	Below normal	453.8	744.8	578.7	15/48	36	39	25	2	Near-consistent
Port Vila (1953-2020)	350.4	Below normal	415.9	634.5	532.4	13/68	40	35	25	10	Consistent
Whitegrass (1972-2020)	336.4	Above normal	208.2	329.2	264.2	34/49	43	35	22	12	Inconsistent
Aneityum (1952-2020)	701.9	Above normal	430.6	651.7	572.6	54/68	40	31	29	5	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for August to October 2020**Predictor and Period used: NINO3.4 for May to June 2020**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Northern Region						
Sola (1971-2020)	45	813.4	55		8	61
Pekoa (1971-2020)	45	331.5	55		13	57
Lamap (1961-2020)	47	261.8	53		7	58
Southern Region						
Bauerfield (1972-2020)	43	273.7	57		16	62
Port Vila (1953-2020)	45	293.6	55		18	61
Whitegrass (1972-2020)	47	147.6	53		9	62
Aneityum (1952-2020)	47	336.0	53		8	57

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 (1971-2020)	28	629.1	36	943.6	36	5	39
Pekoa (1971-2020)	25	256.1	38	422.4	37	16	47
Lamap (1961-2020)	26	218.2	37	338.2	37	13	44
Southern Region							
Bauerfield (1972-2020)	24	209.4	38	318.6	38	21	53
Port Vila (1953-2020)	29	219.5	37	333.9	34	19	49
Whitegrass (1972-2020)	25	111.9	38	179.2	37	14	45
Aneityum (1952-2020)	28	273.8	36	391.2	36	7	41

Monthly and Seasonal Climate Outlooks using ACCESS-S for August to October 2020



Summary Statements

Rainfall for June 2020:

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

Sola recorded its second wettest June in 46 years, while Whitegrass recorded its third driest June in 49 years.

Accumulated rainfall for April to June 2020, including outlook verification:

Accumulated rainfall was above normal at Sola, Pekoa, Whitegrass and Aneityum, and below normal at Bauerfield and Port Vila. Outlook verification was consistent at one site, near-consistent at one site, and inconsistent at four sites.

Sola and Pekoa recorded their wettest April to June in 46 and 50 years respectively.

Outlooks for August to October 2020:

1. SCOPIC:

For Pekoa, Lamap Bauerfield and Whitegrass, the outlook shows a near-equal likelihood of above normal and normal rainfall. Below-normal is the least likely.

The outlook offers little guidance for Sola, Port Vila and Aneityum as the chances of below normal, normal and above normal rainfall are similar.

2. ACCESS-S:

Monthly rainfall:

The outlook shows wetter than average as the most likely outcome at Pekoa, Saratamata, Bauerfield, Port Vila, Whitegrass and Aneityum.

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

Monthly maximum and minimum temperatures:

The outlook favours above average for all stations for August.

Seasonal rainfall:

The outlook favours a wetter than average August – October period for Sola, Saratamata, Bauerfield, Port Vila, Whitegrass and Aneityum.

At Pekoa and Lamap, the outlook shows wetter than average as the most likely outcome for the August – October period.

Seasonal maximum and minimum temperatures:

The 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: May 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
EAR Watch	25 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).	206	104	102
Vanuatu Ocean Outlook	25 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).	206	104	102
Vanuatu Climate Update	25 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).	206	104	102
Round island trip	25 th	Notice Boards: Pango, Eratap (13), Erakor, Teouma, Eton (9), Forari (1), Panpang (11), Epau, Ekiye (1), Epau, Onesua, Paunangisu (1), Emua, Sama, Siviri, Makatia (1), Malafau, Tanoliu, Mangaliliu, Mele (1).	38	4	34
Total			244	108	136