

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 155

Country: Vanuatu

TABLE 1: Monthly Rainfall

Station (include data period)	May-2020	Jun-2020	Jul-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2020)	171.6	718.0	595.2	158.0	313.0	243.9	45/46
Pekoa (1971-2020)	155.5	240.3	65.5	59.5	115.1	83.0	23/50
Lamap (1961-2020)				57.8	116.2	75.6	
Southern Region							
Bauerfield (1972-2020)	101.3	114.7	38.8	46.3	89.4	61.4	13/48
Port Vila (1953-2020)	105.1	76.5	27.5	49.7	126.8	75.2	10/68
Whitegrass (1972-2020)	140.3	9.5	9.5	27.4	58.6	40.2	7/48
Aneityum (1952-2020)	260.3	68.5	146.4	76.3	138.2	101.0	49/69

TABLE 2: Three-month Rainfall for May to July 2020

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 February-March 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Northern Region											
Sola (1971-2020)	1484.8	Above normal	745.3	1171.5	923.8	44/45	38	36	26	4	Inconsistent
Pekoa (1971-2020)	461.3	Normal	316.3	560.2	463.2	24/50	41	31	28	9	Near-consistent
Lamap (1961-2020)			307.1	453.9	375.5		38	35	27	2	
Southern Region											
Bauerfield (1972-2020)	254.8	Below normal	310.2	521.7	417.1	10/48	41	35	24	9	Consistent
Port Vila (1953-2020)	209.1	Below normal	301.1	477.9	390.0	11/68	47	30	23	17	Consistent
Whitegrass (1972-2020)	159.3	Below normal	181.2	262.6	220.7	15/48	41	39	20	9	Consistent
Aneityum (1952-2020)	475.2	Normal	358.6	524.2	443.0	42/68	39	34	27	6	Near-consistent

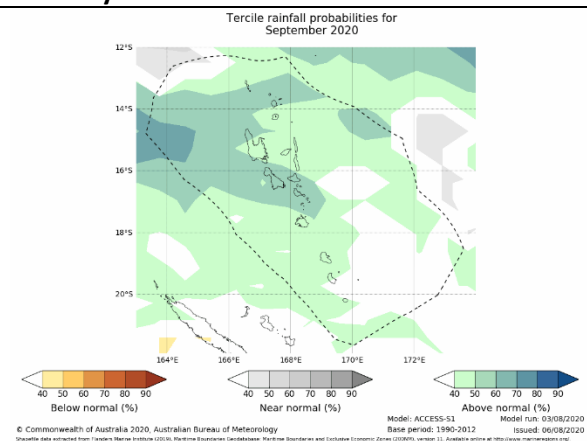
TABLE 3: Seasonal Climate Outlooks using SCOPIC for September to November 2020**Predictor and Period used: NINO3.4 for June to July 2020**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Northern Region						
Sola (1971-2020)	46	1019.2	54		12	61
Pekoa (1971-2020)	43	428.3	57		32	74
Lamap (1961-2020)	47	326.9	53		8	66
Southern Region						
Bauerfield (1972-2020)	42	306.3	58		28	77
Port Vila (1953-2020)	45	301.6	55		34	81
Whitegrass (1972-2020)	45	145.4	55		22	70
Aneityum (1952-2020)	46	347.0	54		22	69

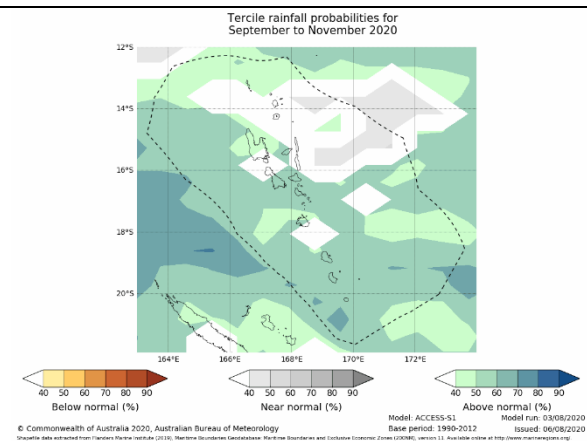
Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Northern Region							
Sola (1971-2020)	28	871.1	36	1146.8	36	8	39
Pekoa (1971-2020)	22	328.4	42	520.0	36	27	59
Lamap (1961-2020)	29	274.5	36	404.7	35	11	42
Southern Region							
Bauerfield (1972-2020)	24	234.2	39	432.7	37	21	55
Port Vila (1953-2020)	24	229.3	40	390.2	36	20	51
Whitegrass (1972-2020)	27	115.5	41	213.8	32	34	64
Aneityum (1952-2020)	24	264.1	41	423.8	35	24	52

Monthly and Seasonal Climate Outlooks using ACCESS-S for September to November 2020

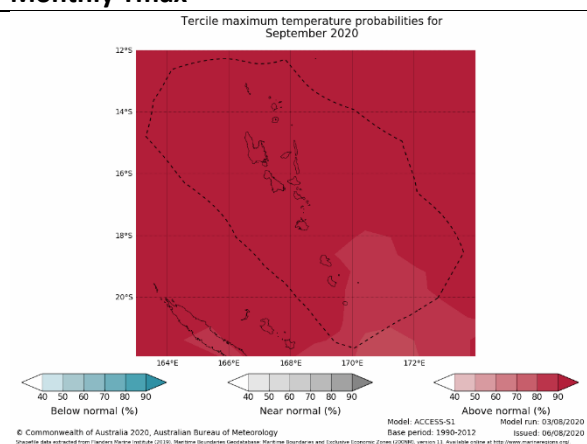
Monthly rainfall



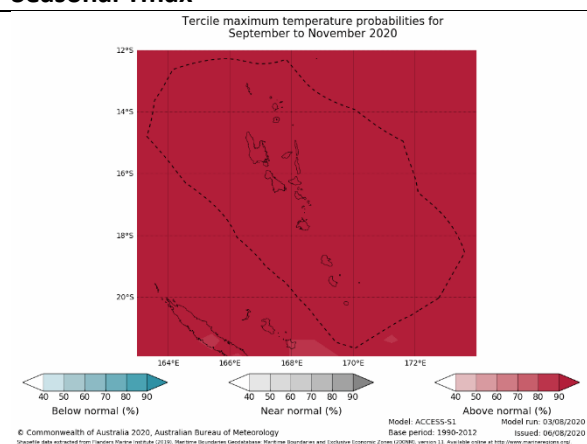
Seasonal rainfall



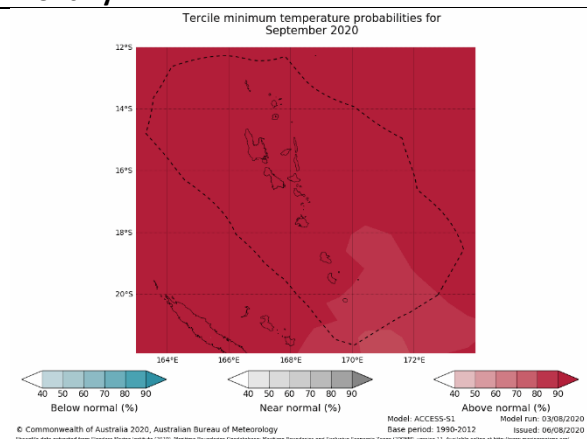
Monthly Tmax



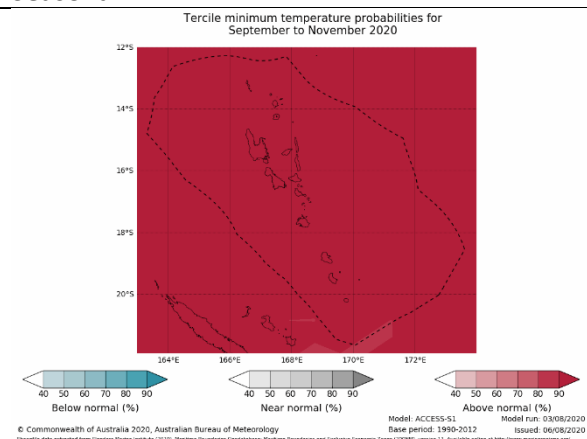
Seasonal Tmax



Monthly Tmin



Seasonal Tmin



Summary Statements

Rainfall for July 2020:

Rainfall was below normal at Bauerfield, Port Vila and Whitegrass, normal at Pekoa, and above normal at Sola and Aneityum. Rainfall for Lamap was not available.

Sola recorded its second wettest July in 46 years.

Accumulated rainfall for May to July 2020, including outlook verification:

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

Sola recorded its second wettest May to July period in 45 years.

The outlook issued in April was verified as consistent at three sites, near-consistent at two sites, and inconsistent at one site.

Outlooks for September to November 2020:

1. SCOPIC:

For Pekoa, Port Vila, Whitegrass and Aneityum, the outlook shows normal as the most likely outcome, with above normal the next most likely. Below normal is the least likely.

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

For Sola and Lamap, the outlook offers little guidance as the chances of below normal, normal or above normal rainfall are similar.

2. ACCESS-S:

Monthly rainfall:

The outlook for September favours above normal for Sola and Lamap, and shows above normal as the most likely outcome at Pekoa, Bauerfield, Port Vila, Whitegrass and Aneityum.

Monthly maximum and minimum temperature:

The outlook favours above normal for all stations for September.

Seasonal rainfall:

The outlook indicates above normal in most parts of the country, except for areas, mainly in the north and northeast, where there's little guidance. For Lamap, Bauerfield, Whitegrass and Aneityum, the outlook favours above normal, but at Sola, Pekoa and Port Vila, the outlook offers little guidance as the chances of below normal, near normal or above normal rainfall are similar.

Seasonal maximum and minimum temperature:

The outlook favours above normal for all stations for September to November.

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: July 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
EAR Watch	22 nd	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	22 nd	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	22 nd	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
Total			206	104	102