

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 152

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2020	Mar-2020	Apr-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2020)	638.0	263.8	363.3	222.7	277.2	255.2	52/59
Henderson (1975-2020)	317.7	343.0	280.7	111.8	188.2	167.5	39/46
Honiara (1954-2020)	326.3	354.5	293.0	140.6	204.2	171.2	56/66
Kirakira (1965-2020)	301.0	256.0	462.2	207.3	323.1	237.4	42/54
Lata (1975-2020)	660.8	248.2	243.7	270.9	370.7	323.3	12/45
Munda (1962-2020)	553.5	196.0	328.5	228.6	300.6	266.8	43/59
Taro (1975-2020)	270.0	404.0	340.1	233.9	345.7	292.2	30/45

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 November-December 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2019)	1265.1	Above normal	906.4	1107.1	1024.4	51/59	37	27	36	-2	Inconsistent
Henderson (1975-2020)	941.4	Above normal	629.2	813.4	713.4	37/46	40	36	24	11	Inconsistent
Honiara (1954-2020)	973.8	Above normal	671.3	863.7	795.0	56/66	44	36	20	18	Inconsistent
Kirakira (1965-2020)	1019.2	Normal	830.1	1100.8	983.5	29/52	44	39	17	22	Near-consistent
Lata (1975-2020)	1152.7	Normal	1040.3	1274.2	1170.3	20/45	42	41	17	21	Near-consistent
Munda (1962-2020)	1078.0	Normal	954.2	1127.3	1043.0	33/59	25	37	38	4	Near-consistent
Taro (1975-2020)	1014.1	Above normal	772.2	929.0	811.4	36/44	37	39	24	3	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for June to August 2020

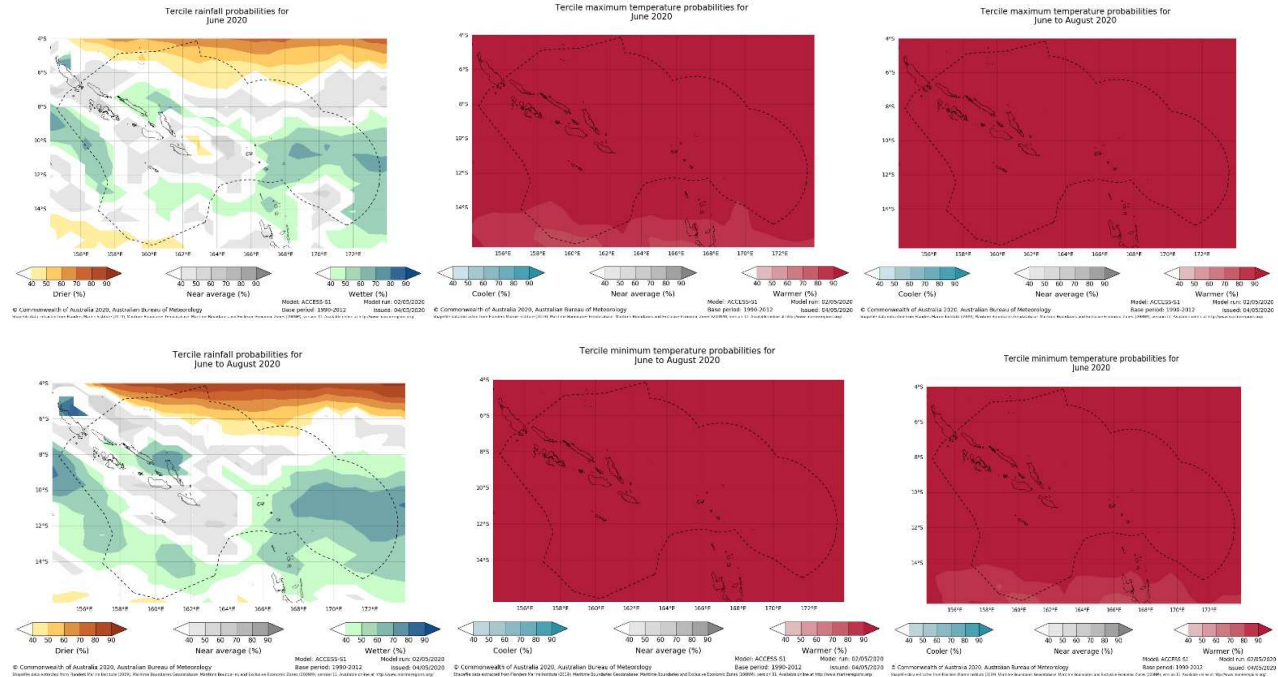
Predictor and Period used: NINO3.4 for March to April 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2020)	52	608.6	48		-2	47
Henderson (1975-2020)	62	262.0	38		5	60
Honiara (1954-2020)	51	274.2	49		-2	29
Kirakira (1965-2020)	60	887.6	40		3	64
Lata (1975-2020)	51	1042.0	49		-2	36
Munda (1962-2020)	44	834.0	56		0	55
Taro (1975-2020)	50	888.0	50		-3	17

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2020)	42	553.1	24	676.8	34	0	39
Henderson (1975-2020)	46	233.1	24	318.4	30	5	36
Honiara (1954-2020)	39	237.3	28	321.4	33	-1	38
Kirakira (1965-2020)	55	718.5	19	984.0	26	14	52
Lata (1975-2020)	41	870.4	23	1196.0	36	-1	49
Munda (1962-2020)	25	759.9	38	976.1	37	2	50
Taro (1975-2020)	32	830.4	34	1009.1	34	-3	24

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

The maps are provided in the PowerPoint document labelled ACCESS-S outlooks_2020-04



Summary Statements

Rainfall for April 2020:

Rainfall in April was above normal for Auki, Henderson, Honiara and Kirakira in the central region, and Munda in the western region. Taro in the western region, recorded normal-rainfall and Lata in the eastern region recorded below-normal rainfall.

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

Rainfall was above normal at Auki, Henderson and Honiara in the central region, and at Taro in the western region. Kirakira in the central region, Lata in the eastern region and Munda in the western region recorded normal rainfall. The verification of the outlook issued in January was near consistent for Kirakira, Lata, Munda and Taro and inconsistent for the rest of the stations.

Outlooks for June to August 2020:

1. SCOPIC:

For Auki, Henderson, Kirakira and Lata the outlook shows below normal rainfall as the most likely outcome, with above-normal the next most likely. Normal is the least likely.

At Munda, the outlook shows near equal likelihood of above-normal and normal rainfall.

At Honiara and Taro, the outlook offers little guidance as the chances of below normal, normal and above normal rainfall are similar.

2. ACCESS-S:

Monthly rainfall:

Above average rainfall is favoured for the northern parts of the western and central region. The outlook shows near average rainfall for the rest of the country.

Monthly maximum and minimum temperatures:

The outlook favours a warmer than average month for the whole country.

Seasonal rainfall:

The outlook favours wetter than average for the eastern region, western region and northern part of the central region, and near-average for the southern part of the western and central region.

Seasonal maximum and minimum temperatures:

The outlook favours above average seasonal daytime and night-time temperatures for the whole country.

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 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin		Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Glodridge Mining, Ministry of Mines and Energy, MEHRD	13	12	1
EAR Watch		Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Goldridge Mining, Ministry of Mines and Energy, MEHRD	13	12	1
Monthly Climate Briefing					
Ocean Bulletin		Climate Change, NDMO, Environment, Tourism, Trade Co., Fisheries, Nature Conservancy, South Pacific Community	14	9	5
MalaClim		MEHRD, Prime Minister's Office, SIBC, Solomon star Newspaper	7	7	0
Total			47	40	7