

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 163

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jan-2021	Feb-2021	Mar-2021				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2021)	300.7	763.6	334.9	292.7	447.6	357.8	24/60
Henderson (1975-2021)	205.3	365.4	268.0	190.2	330.6	266.2	24/47
Honiara (1954-2021)	251.6	406.8	181.6	235.5	344.1	299.9	15/66
Kirakira (1965-2021)	537.0	390.8	309.8	280.5	394.6	355.6	22/54
Lata (1975-2021)	344.8	666.0	665.5	345.7	526.5	408.9	40/46
Munda (1962-2021)	226.8	416.4	331.4	271.6	426.6	338.0	30/60
Taro (1975-2021)	304.0	245.6	439.6	236.7	311.0	277.4	42/46

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 October-November 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2021)	1399.2	Above normal	990.0	1264.1	1121.6	49/60	24	39	37	1	Near-consistent
Henderson (1975-2021)	838.7	Normal	675.8	904.2	782.7	27/47	16	30	54	11	Near-consistent
Honiara (1954-2021)	840.0	Normal	701.4	936.5	849.8	33/65	13	37	50	14	Near-consistent
Kirakira (1965-2021)	1237.6	Above normal	872.4	1152.0	1001.8	39/53	7	19	74	35	Consistent
Lata (1975-2021)	1676.3	Above normal	1133.5	1374.4	1274.5	41/46	13	29	58	14	Consistent
Munda (1962-2021)	974.6	Below normal	1041.4	1305.0	1142.0	16/60	35	26	39	-2	Inconsistent
Taro (1975-2021)	989.2	Above normal	704.6	865.1	768.7	39/44	31	14	55	2	Consistent

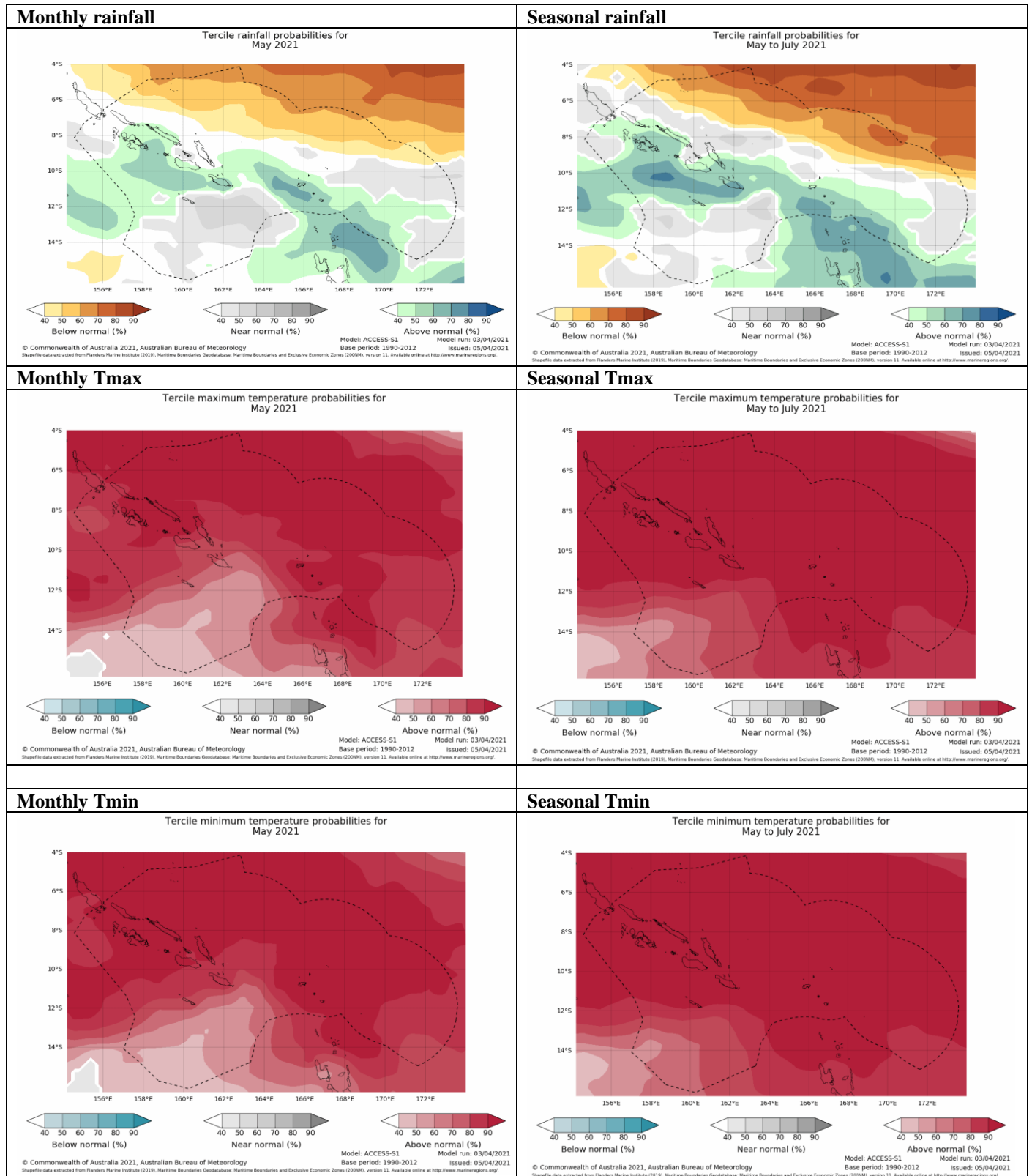
TABLE 3: Seasonal Climate Outlooks using SCOPIC for May to July 2021

Predictor and Period used: NINO3.4 for February to March 2021

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2021)	47	612.2	53		-1	57
Henderson (1975-2021)	38	271.8	62		3	56
Honiara (1954-2021)	37	292.9	63		5	54
Kirakira (1965-2021)	32	867.0	68		11	65
Lata (1975-2021)	45	1039.4	55		-1	48
Munda (1962-2021)	46	871.0	54		-1	51
Taro (1975-2021)	62	855.0	38		1	49

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 (1962-2021)	29	548.2	35	679.0	36	-1	38
Henderson (1975-2021)	17	249.2	37	311.4	46	7	31
Honiara (1954-2021)	16	262.0	42	333.0	42	8	37
Kirakira (1965-2021)	17	745.1	31	975.0	52	12	52
Lata (1975-2021)	18	878.0	52	1174.6	30	0	48
Munda (1962-2021)	33	702.1	32	987.1	35	-2	25
Taro (1975-2021)	33	767.5	44	928.6	23	-1	39

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



Summary Statements

Rainfall for March 2021:

Rainfall in March was above normal for Lata in the eastern region and Taro in the western region. Auki, Henderson and Kirakira in the central region and Munda in the western region recorded normal rainfall. Honiara in the central region recorded below normal rainfall. Lata recorded its seventh wettest and Taro its fifth wettest March on record, respectively.

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

Rainfall was generally normal to above normal across the Solomon Islands for the past three months, the exception being Munda in the western region where rainfall was below normal. The outlook issued in December was verified as consistent for Kirakira, Lata and Taro, and near-consistent for Auki, Henderson and Honiara. Munda's outlook was verified as inconsistent.

Outlooks for May to July 2021:

1. SCOPIC:

Kirakira: The outlook favours above normal rainfall.

Henderson: The outlook shows above normal rainfall as the most likely outcome, with normal the next most likely. Below normal is the least likely.

Honiara: The outlook for the season shows a near-equal likelihood of above normal and normal rainfall. Below normal is the least likely.

Lata: The outlook shows normal rainfall as the most likely outcome, with above normal the next most likely. Below normal is the least likely.

Taro: The outlook shows normal rainfall as the most likely outcome, with below normal the next most likely. Above normal is the least likely.

Auki and Munda: The outlook shows little guidance as the chances of above normal, normal and below normal rainfall are similar.

2. ACCESS-S:

Monthly rainfall:

The outlook for **May**, favours above normal rainfall over most of the main islands, although there is little guidance for Malaita, Rennell and Bellona.

Monthly maximum and minimum temperatures:

The outlook favours above normal temperatures for **May** for the whole country.

Seasonal rainfall:

The outlook pattern for **May to July** favours above normal rainfall over all the main islands.

Seasonal maximum and minimum temperatures:

The outlook favours above normal temperatures for **May to July** across 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: March 2021	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, Forestry, Ministry of Health, Solomon Water, MECDM, Live and Learn, Tourism, Maritime Service, People with Disability, MID, Ministry of Fisheries, Sol Tuna Ltd, UN Women, Council of Women, Community Representatives	58	46	12
NCOF		Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Glodridge Mining, Ministry of Mines and Energy, MEHRD, Forestry, Ministry of Health, Solomon Water, MECDM, Live and Learn, Tourism, Maritime Service, People with Disability, MID, Ministry of Fisheries, Sol Tuna Ltd, UN Women, Council of Women, Community Representatives	58	46	12
EAR Watch		Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Glodridge Mining, Ministry of Mines and Energy, MEHRD, Forestry, Ministry of Health, Solomon Water, MECDM, Live and Learn, Tourism, Maritime Service, People with Disability, MID, Ministry of Fisheries, UN Women, Council of Women	53	39	14
Monthly Climate Briefing					
Ocean Bulletin		Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Glodridge Mining, Ministry of Mines and Energy, MEHRD	14	9	5
Total			183	140	43