

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 164

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2021	Mar-2021	Apr-2021				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2021)	763.6	334.9	227.6	223.7	280.1	257.0	24/60
Henderson (1975-2021)	365.4	268.0	307.6	112.4	193.2	170.0	41/47
Honiara (1954-2021)	406.8	181.6	249.6	140.9	208.0	172.8	52/67
Kirakira (1965-2021)	390.8	309.8	264.6	207.9	329.2	240.1	30/55
Lata (1975-2021)	666.0	665.5	383.8	268.8	369.5	323.2	33/46
Munda (1962-2021)	416.4	331.4	155.4	228.7	306.5	269.9	7/60
Taro (1975-2021)	245.6	439.6	442.2	235.3	343.6	292.9	42/46

TABLE 2: Three-month Rainfall for February to April 2021

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 November-December 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2021)	1326.1	Above normal	910.4	1111.0	1026.1	55/60	29	42	29	-2	Near-consistent
Henderson (1975-2021)	941.0	Above normal	636.6	815.4	717.2	37/47	20	31	49	8	Consistent
Honiara (1954-2021)	838.0	Normal	677.8	866.6	795.3	40/67	14	34	52	15	Near-consistent
Kirakira (1965-2021)	965.2	Normal	830.4	1099.4	989.6	24/53	12	28	60	23	Near-consistent
Lata (1975-2021)	1715.3	Above normal	1044.9	1272.3	1169.4	44/46	14	20	66	18	Consistent
Munda (1962-2021)	903.2	Below normal	957.6	1127.2	1044.3	15/60	48	24	28	3	Consistent
Taro (1975-2021)	1127.4	Above normal	777.9	932.0	813.2	40/45	27	20	53	3	Consistent

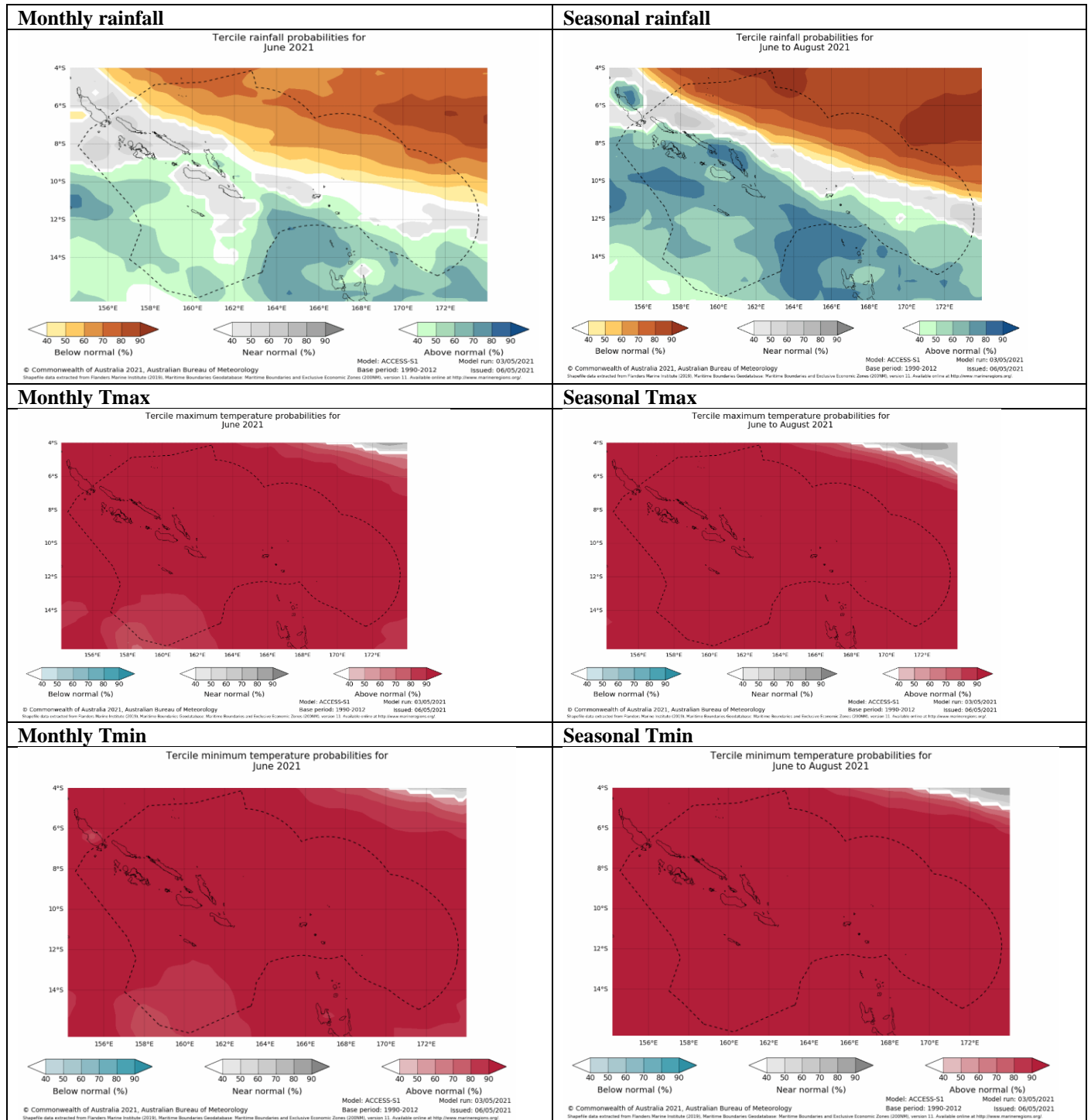
TABLE 3: Seasonal Climate Outlooks using SCOPIC for June to August 2021

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2021)	47	608.6	53		-1	47
Henderson (1975-2021)	37	256.4	63		4	59
Honiara (1954-2021)	49	274.2	51		-2	21
Kirakira (1965-2021)	40	887.6	60		3	64
Lata (1975-2021)	53	1047.0	47		-2	53
Munda (1962-2021)	57	828.2	43		0	55
Taro (1975-2021)	49	888.0	51		-3	22

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)	25	553.2	42	671.1	33	0	35
Henderson (1975-2021)	20	229.6	41	316.5	39	6	46
Honiara (1954-2021)	25	235.4	41	317.3	34	0	41
Kirakira (1965-2021)	11	727.1	49	982.8	40	13	51
Lata (1975-2021)	24	876.0	45	1192.0	31	-1	46
Munda (1962-2021)	40	755.4	31	961.5	29	0	41
Taro (1975-2021)	36	831.5	32	1004.3	32	-3	10

TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for June to August 2021



Summary Statements

Rainfall for April 2021:

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

Accumulated rainfall for February to April 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 January was verified as consistent for Henderson, Lata, Munda and Taro, and near-consistent for Auki, Honiara and Kirakira.

Outlooks for June to August 2021:

1. SCOPIC:

For Auki, Honiara, Kirakira and Lata the outlook shows normal rainfall as the most likely outcome, with above normal the next most likely. Below normal is the least likely.

For Munda the outlook shows below-normal rainfall as the most likely outcome, with normal the next most likely. Above normal is the least likely.

For Henderson, the outlook shows near-equal chances of normal and above normal, with below normal being the least likely.

For Taro 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 **June**, favours near-normal rainfall over most of the main islands and above normal for the southern parts of the EEZ and Malaita.

Monthly maximum and minimum temperatures:

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

Seasonal rainfall:

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

Seasonal maximum and minimum temperatures:

The outlook favours above normal temperatures for **June to August** 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: April 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