

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 159

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Sep-2020	Oct-2020	Nov-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2020)	543.8	249.5	205.0	175.8	261.2	218.4	28/57
Henderson (1975-2020)	270.3	106.2	164.8	102.4	187.0	144.0	25/46
Honiara (1954-2020)	209.0	72.7	196.4	97.9	166.1	124.0	48/64
Kirakira (1965-2020)	338.2	320.8	435.6	171.8	276.0	213.9	51/53
Lata (1975-2020)	438.0	231.1	344.5	277.4	433.9	367.8	20/46
Munda (1962-2020)	300.3	264.0	205.4	184.0	272.0	237.6	23/59
Taro (1975-2020)	286.6	365.7	225.7	202.6	293.2	240.8	20/43

TABLE 2: Three-month Rainfall for September to November 2020

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 June-July 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2019)	998.3	Above normal	593.5	692.0	647.5	56/57	28	36	36	7	Near-consistent
Henderson (1975-2020)	541.3	Above normal	290.7	391.4	358.4	41/46	28	35	37	11	Consistent
Honiara (1954-2020)	478.1	Above normal	307.5	412.6	362.2	52/63	30	35	35	6	Near-consistent
Kirakira (1965-2020)	1094.6	Above normal	643.3	852.3	771.2	45/50	24	38	38	7	Near-consistent
Lata (1975-2020)	1013.6	Normal	998.7	1260.1	1072.8	17/46	28	36	36	4	Near-consistent
Munda (1962-2020)	769.7	Normal	650.0	782.1	690.1	38/59	30	35	35	3	Near-consistent
Taro (1975-2020)	878.0	Normal	750.0	878.4	812.2	27/41	29	36	35	3	Consistent

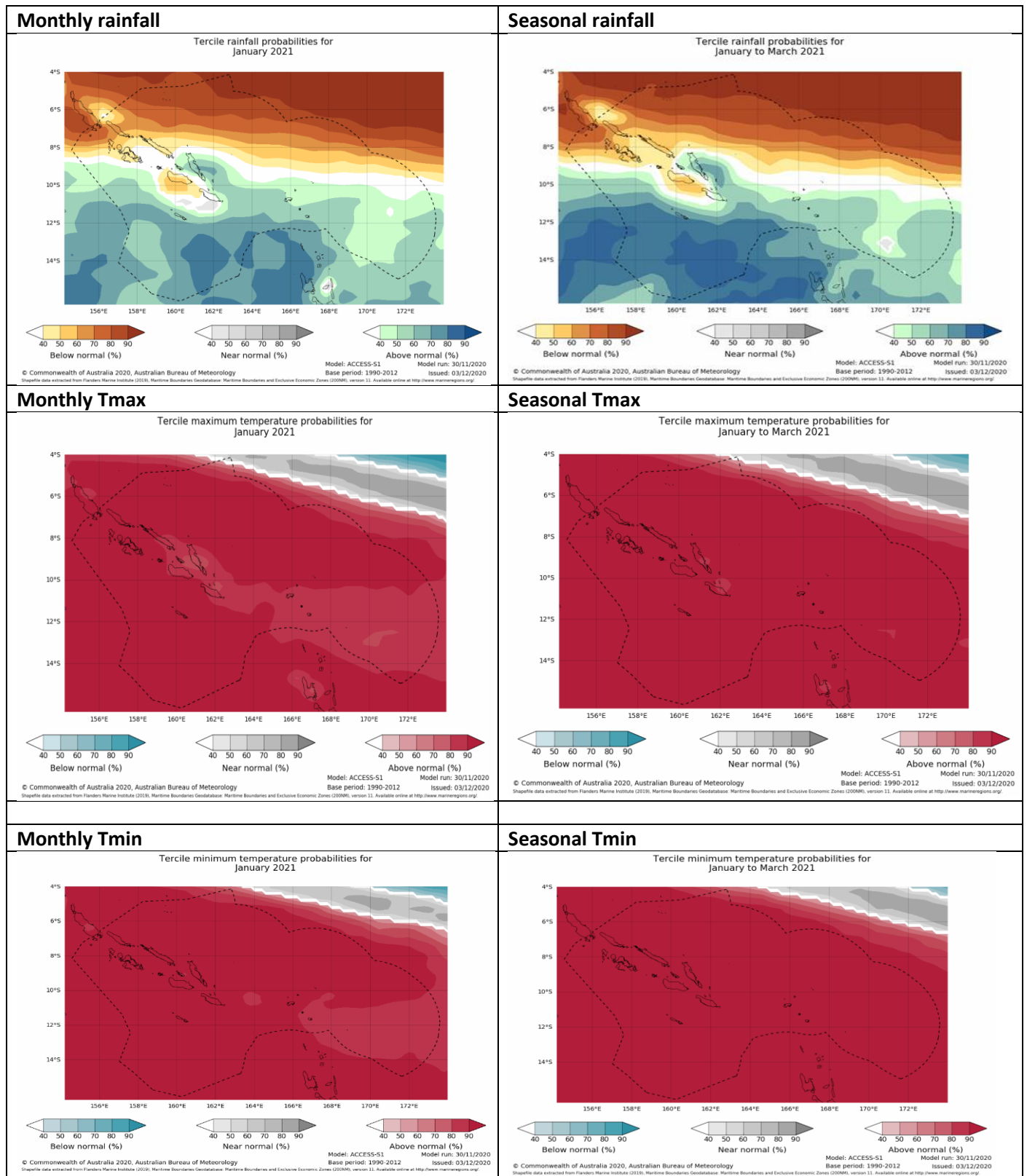
TABLE 3: Seasonal Climate Outlooks using SCOPIC for January to March 2021

Predictor and Period used: NINO3.4 for October to November 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2020)	40	1121.6	60		2	59
Henderson (1975-2020)	39	782.7	61		2	61
Honiara (1954-2020)	32	849.8	68		8	60
Kirakira (1965-2020)	19	1001.8	81		28	71
Lata (1975-2020)	20	1274.5	80		23	76
Munda (1962-2020)	46	1142.0	54		-1	53
Taro (1975-2020)	41	768.7	59		0	58

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)	24	990.0	39	1264.1	37	1	34
Henderson (1975-2020)	16	675.8	30	904.2	54	11	48
Honiara (1954-2020)	13	701.4	37	936.5	50	14	48
Kirakira (1965-2020)	7	872.4	19	1152.0	74	35	60
Lata (1975-2020)	13	1133.5	29	1374.4	58	14	53
Munda (1962-2020)	35	1041.4	26	1305.0	39	-2	36
Taro (1975-2020)	31	704.6	14	865.1	55	2	49

TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for January to March 2021



Summary Statements

Rainfall for November 2020:

Rainfall in November was above normal for Honiara and Kirakira in the central region, and normal for the rest of the country. Kirakira recorded its third wettest November in 53 years.

Accumulated rainfall for September to November 2020, including outlook verification:

Above normal rainfall was recorded in the central region, while the western and eastern regions recorded normal rainfall. The outlook issued in August was verified as consistent for Henderson and Taro and near-consistent for Auki, Honiara, Kirakira, Lata and Munda.

Auki had its second highest September to November rainfall on record.

Outlooks for January to March 2021:

1. SCOPIC:

At Henderson, Honiara, Kirakira, Lata and Taro, the outlook favours above normal rainfall. At Munda, the outlook shows above normal as the most likely, with below normal the next most likely. Normal is the least likely. The outlook for Auki shows a near-equal likelihood of above normal and normal rainfall.

2. ACCESS-S:

Monthly rainfall:

The outlook for **January**, favours above normal rainfall for the northern part of the central region, the eastern region, and most of the southern half of the EEZ. Below normal rainfall is favoured in Guadalcanal and over the northern half of the EEZ, including islands in the western region.

Monthly maximum and minimum temperatures:

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

Seasonal rainfall:

The outlook pattern for **January to March** 2021 is almost identical to the monthly outlook for January: Above normal rainfall is favoured over the southern half of the EEZ plus Malaita, while below normal is favoured for the northern half of the country plus Guadalcanal.

Seasonal maximum and minimum temperatures:

The outlook favours above normal temperatures for **January to March** 2021 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: November 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, 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