

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 156

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2020	Jul-2020	Aug-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2020)	93.6	215.9	341.6	153.2	236.1	200.2	54/59
Henderson (1975-2020)	23.5	41.0	69.4	71.1	103.3	87.0	14/46
Honiara (1954-2020)	62.4	48.5	47.2	68.0	102.4	89.1	14/65
Kirakira (1965-2020)	168.0	430.6	229.4	192.0	338.0	260.5	23/53
Lata (1975-2020)	211.9	584.5	369.9	273.1	405.6	320.1	27/46
Munda (1962-2020)	126.8	189.5	393.7	201.9	309.6	264.0	51/59
Taro (1975-2020)	148.4	271.3	575.8	264.3	349.0	293.6	43/43

TABLE 2: Three-month Rainfall for June to August 2020

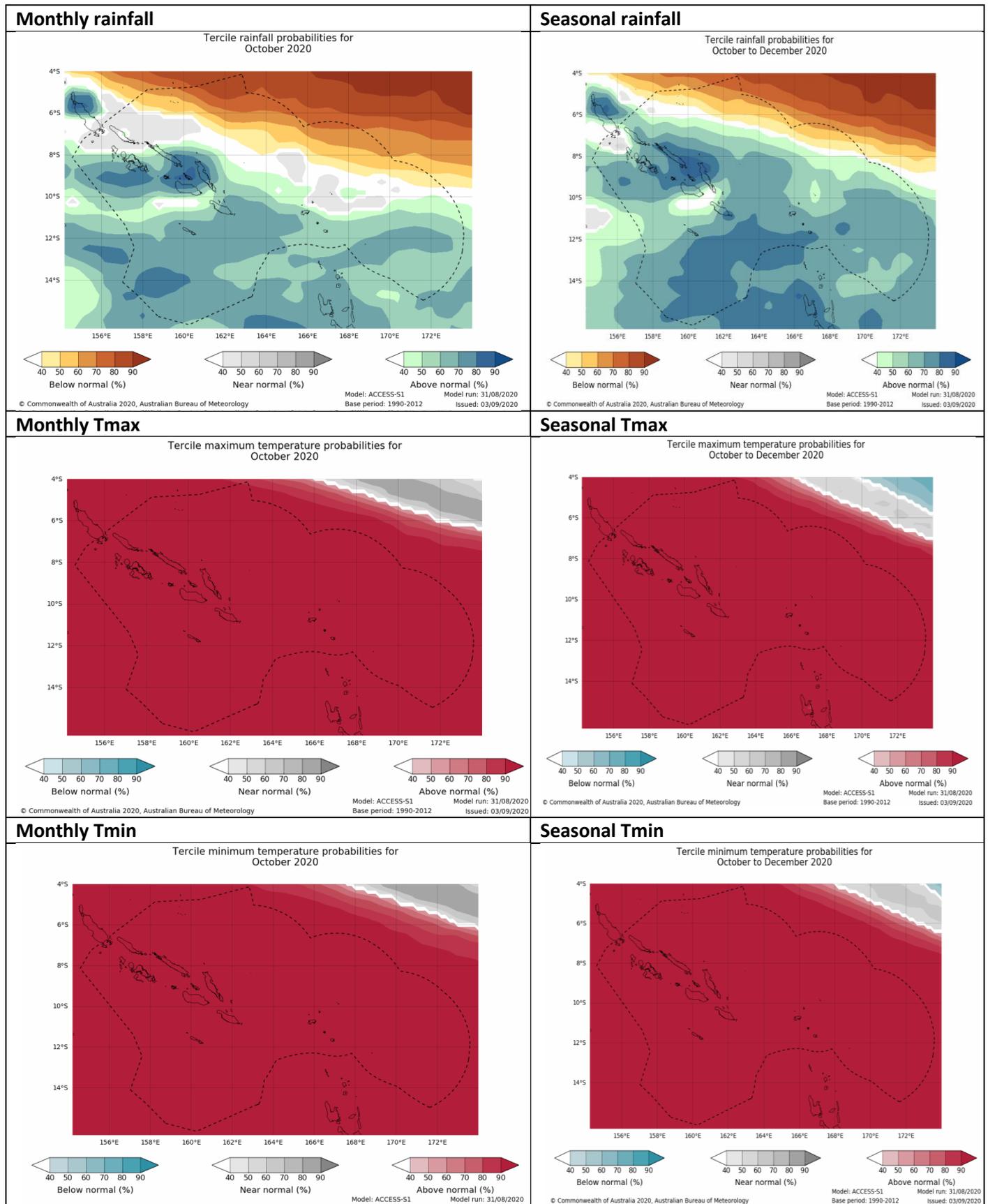
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 March-April 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2019)	651.1	Normal	553.1	676.8	608.6	34/58	42	24	34	0	Near-consistent
Henderson (1975-2020)	133.9	Below normal	233.1	318.4	262.0	5/46	46	24	30	5	Consistent
Honiara (1954-2020)	158.1	Below normal	237.3	321.4	274.2	11/64	39	28	33	-1	Consistent
Kirakira (1965-2020)	828.0	Normal	718.5	984.0	887.6	24/53	55	19	26	14	Near-consistent
Lata (1975-2020)	1166.3	Normal	870.4	1196.0	1042.0	29/46	41	23	36	-1	Near-consistent
Munda (1962-2020)	710.0	Below normal	759.9	976.1	834.0	15/59	25	38	37	2	Near-consistent
Taro (1975-2020)	995.5	Normal	830.4	1009.1	888.0	27/42	32	34	34	-3	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2020
Predictor and Period used: NINO3.4 for July to August 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2020)	45	695.8	55		6	59
Henderson (1975-2020)	45	424.6	55		2	62
Honiara (1954-2020)	43	446.5	57		12	66
Kirakira (1965-2020)	43	728.8	57		9	61
Lata (1975-2020)	45	1123.2	55		3	53
Munda (1962-2020)	44	762.2	56		6	60
Taro (1975-2020)	40	711.6	60		10	63

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)	23	621.7	37	798.9	40	15	48
Henderson (1975-2020)	28	348.0	32	497.9	40	8	51
Honiara (1954-2020)	29	382.7	33	561.0	38	13	47
Kirakira (1965-2020)	30	672.9	34	849.9	36	0	37
Lata (1975-2020)	19	1008.4	41	1208.4	40	11	51
Munda (1962-2020)	21	715.4	39	815.7	40	10	38
Taro (1975-2020)	20	654.8	38	805.5	42	12	38

Table 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for October to December 2020



Summary Statements

Rainfall for August 2020:

Rainfall in August was above normal for Auki in the central region and Munda and Taro in the western region. Normal rainfall occurred at Kirakira in the central region and Lata in the eastern region, while below normal totals were observed for the rest of the country. Taro recorded its wettest August, Auki its sixth wettest and Munda its ninth wettest on record.

Accumulated rainfall for June to August 2020, including outlook verification:

Normal rainfall was recorded at Auki and Kirakira in the central region, Taro in the western region and Lata in the eastern region. Henderson and Honiara in the central region, and Munda in the western region recorded below normal rainfall. The outlook issued in May was verified as consistent for Henderson and Honiara while the rest of the stations were near-consistent.

Outlooks for October to December 2020:

1. SCOPIC:

For Auki, Henderson and Taro the outlook shows above normal rainfall is the most likely outcome, with normal the next most likely. Below normal is the least likely. For Lata and Munda, the outlook shows near-equal likelihood of above normal and normal rainfall. For Honiara and Kirakira, the outlook offers little guidance as the chances of below normal, normal and above normal rainfall are similar.

2. ACCESS-S:

Monthly rainfall:

Above normal rainfall is favoured for most of the main islands across the country, but in some areas, mostly in the west and northeast of the EEZ, below normal or near-normal rainfall is favoured.

Monthly maximum and minimum temperatures:

The outlook favours above normal temperatures for October for the whole country.

Seasonal rainfall:

Above normal rainfall is favoured for most of the main Islands across the country, while below normal rainfall is favoured in the far north to northeast of the EEZ for October to December.

Seasonal maximum and minimum temperatures:

The outlook favours above normal temperatures for October to December 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: August 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
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			125	94	31