

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 153

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2020	Apr-2020	May-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2020)	263.8	363.3	296.4	175.1	248.0	223.0	49/58
Henderson (1975-2020)	343.0	280.7	147.6	76.0	137.5	103.4	32/45
Honiara (1954-2020)	354.5	293.0	127.4	90.8	135.7	119.6	39/66
Kirakira (1965-2020)	256.0	462.2	163.8	226.6	349.5	269.0	7/54
Lata (1975-2020)	248.2	243.7	472.7	302.1	398.3	338.6	36/46
Munda (1962-2020)	196.0	328.5	324.8	202.6	285.8	246.4	44/59
Taro (1975-2020)	404.0	340.1	233.0	239.3	306.1	272.8	14/43

TABLE 2: Three-month Rainfall for March to May 2020

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 December 19-January 20				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2019)	923.5	Normal	744.8	950.3	853.8	36/58	35	30	35	-2	Near-consistent
Henderson (1975-2020)	771.3	Above normal	451.7	619.2	547.6	38/45	40	38	22	10	Inconsistent
Honiara (1954-2020)	774.9	Above normal	544.5	714.6	613.5	50/66	40	36	24	6	Inconsistent
Kirakira (1965-2020)	882.0	Normal	853.7	1062.6	909.4	23/53	38	36	26	4	Near-consistent
Lata (1975-2020)	964.6	Below normal	999.4	1182.7	1130.0	12/45	43	38	19	19	Consistent
Munda (1962-2020)	849.3	Normal	808.8	1004.1	913.3	23/59	35	37	28	0	Consistent
Taro (1975-2020)	977.1	Above normal	750.9	918.2	858.4	34/43	37	35	28	2	Inconsistent

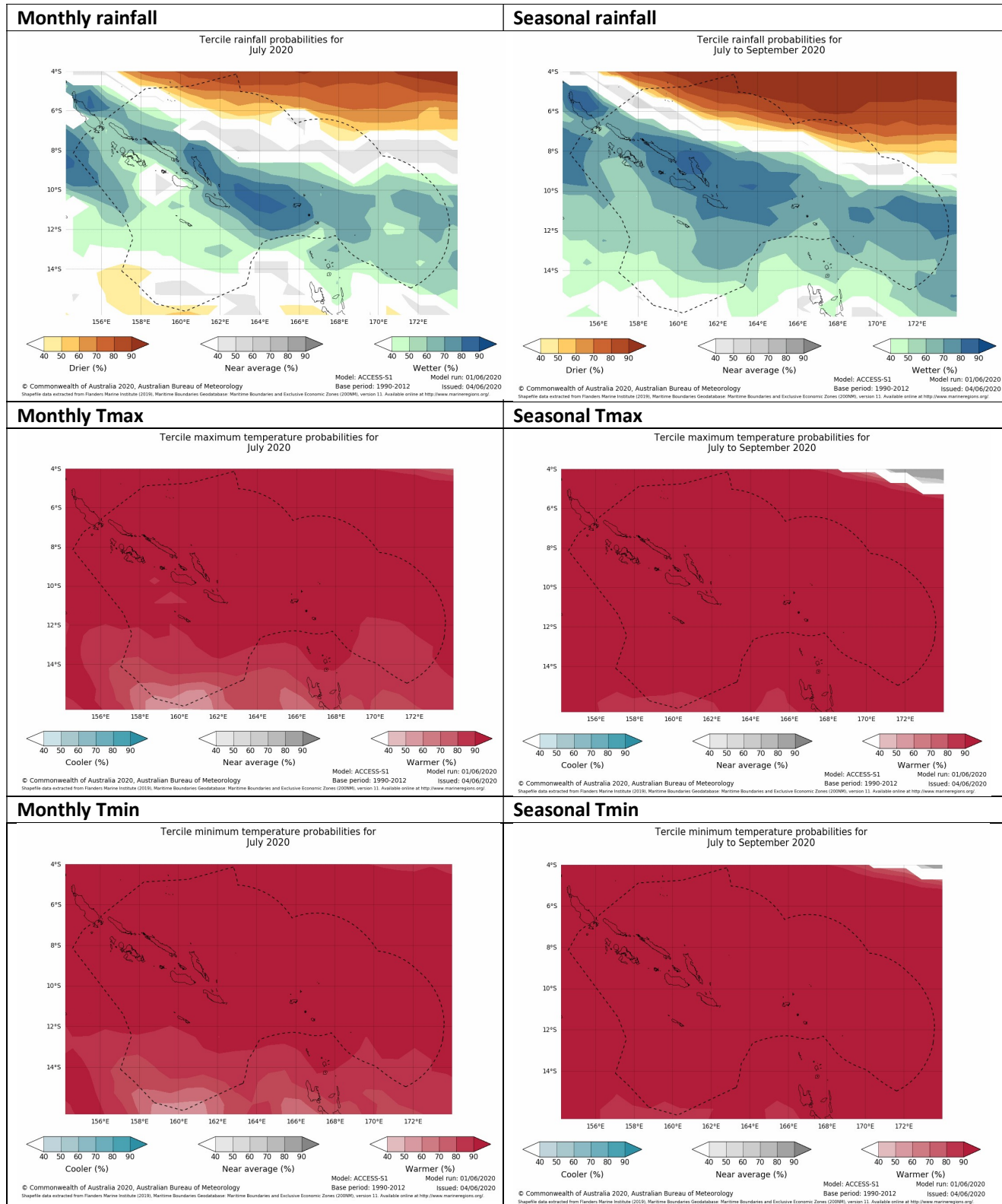
TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2020

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2020)	51	658.6	49		-2	49
Henderson (1975-2020)	53	287.9	47		1	64
Honiara (1954-2020)	50	282.9	50		-2	14
Kirakira (1965-2020)	54	887.2	46		4	68
Lata (1975-2020)	51	1106.6	49		-2	47
Munda (1962-2020)	49	830.2	51		-1	57
Taro (1975-2020)	50	922.9	50		-3	15

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)	34	587.4	35	710.1	31	-1	33.3
Henderson (1975-2020)	35	226.0	31	328.1	34	-2	42.2
Honiara (1954-2020)	35	246.2	30	326.2	35	-2	23.8
Kirakira (1965-2020)	37	736.1	31	1060.6	32	5	36.0
Lata (1975-2020)	34	929.8	35	1200.9	31	-2	40.0
Munda (1962-2020)	33	744.5	32	888.0	35	-2	27.6
Taro (1975-2020)	35	868.6	30	1031.7	35	-3	34.1

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



Summary Statements

Rainfall for May 2020:

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

Accumulated rainfall for March to May 2020, including outlook verification:

In the central region, Henderson and Honiara recorded above-normal rainfall and Taro in the western region. Auki and Kirakira in the central region and Munda in the western region recorded normal rainfall. Lata in the eastern region recorded below-normal rainfall. The verification was consistent for Lata and Munda, near-consistent for Auki and Kirakira and in-consistent for the rest of the stations.

Outlooks for July to September 2020:

1. SCOPIC:

For all stations the outlook offers little guidance as the chances of below-normal, normal and above normal are similar.

2. ACCESS-S:

Monthly rainfall:

Above-normal rainfall is favoured for the whole country except for parts of the central region which shows near-normal rainfall.

Monthly maximum temperature:

The outlook favoured warmer than average maximum temperature for the whole country.

Monthly minimum temperature:

The outlook favoured warmer than average minimum temperature for the whole country.

Seasonal rainfall:

The outlook favours wetter than average rainfall for the whole country.

Seasonal maximum temperature:

The outlook favours warmer than average maximum temperature for the whole country.

Seasonal minimum temperature:

The outlook favoured warmer than average minimum temperature 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: May 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