Pacific Islands - Online Climate Outlook Forum (OCOF) No. 162

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Dec-2020	Jan-2021	Feb-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2021)	272.4	300.7	763.6	324.1	472.7	393.6	**59/60**
Henderson (1975-2021)	83.5	205.3	365.4	210.3	317.7	247.5	34/47
Honiara (1954-2021)	185.2	251.6	406.8	219.4	317.8	280.1	53/67
Kirakira (1965-2021)	195.4	537.0	390.8	272.1	365.4	326.2	40/54
Lata (1975-2021)	176.1	344.8	666.0	327.4	486.6	397.5	**46/47**
Munda (1962-2021)	166.3	226.8	416.4	297.1	488.2	343.2	36/60
Taro (1975-2021)	351.7	304.0	245.6	215.5	301.3	251.2	22/45

TABLE 2: Three-month Rainfall for December 2020 to February 2021

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 September-October 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2021)	1336.7	Above normal	916.2	1185.9	1038.6	47/57	29	20	51	6	Consistent
Henderson (1975-2021)	654.2	Normal	591.3	858.8	759.6	22/46	16	34	50	9	Near-consistent
Honiara (1954-2021)	843.6	Normal	629.3	889.2	706.7	41/63	17	33	50	13	Near-consistent
Kirakira (1965-2021)	1123.2	Above normal	803.7	1079.7	966.5	37/51	11	34	55	22	Consistent
Lata (1975-2021)	1186.9	Normal	1063.6	1243.6	1149.9	26/46	20	28	52	8	Near-consistent
Munda (1962-2021)	809.5	Below normal	939.0	1234.5	1099.6	12/59	46	20	34	2	Consistent
Taro (1975-2021)	901.3	Above normal	620.8	764.2	670.2	22/41	19	32	49	7	Consistent

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

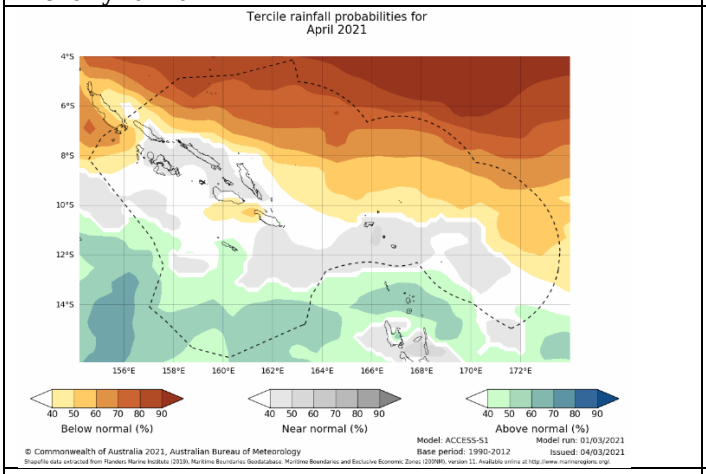
Predictor and Period used: NINO3.4 for January to February 2021

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2021)	49	666.6	51		-2	24
Henderson (1975-2021)	32	341.7	68		9	60
Honiara (1954-2021)	43	376.0	57		1	50
Kirakira (1965-2021)	33	814.2	67		11	67
Lata (1975-2021)	35	981.0	65		3	56
Munda (1962-2021)	51	784.0	49		-2	56
Taro (1975-2021)	50	841.0	50		-3	23

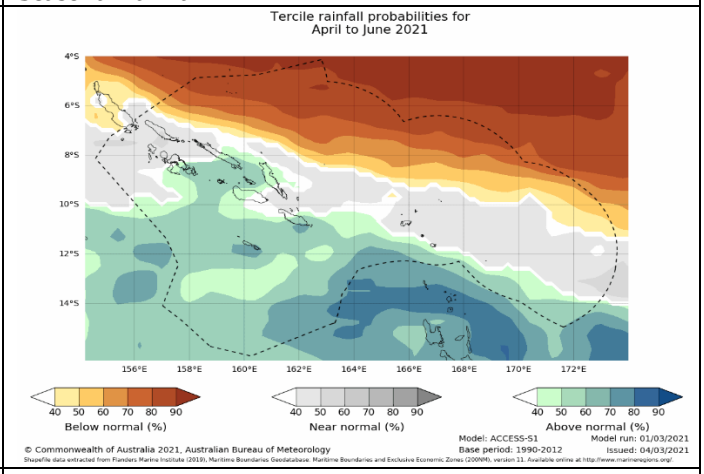
Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2021)	31	601.2	35	722.1	34	-2	22
Henderson (1975-2021)	19	302.7	40	372.2	41	6	40
Honiara (1954-2021)	24	333.5	35	471.1	41	2	36
Kirakira (1965-2021)	20	709.2	30	958.7	50	11	44
Lata (1975-2021)	22	870.0	27	1078.9	51	7	47
Munda (1962-2021)	33	712.7	30	865.0	37	-2	31
Taro (1975-2021)	30	763.0	37	887.2	33	-2	40

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

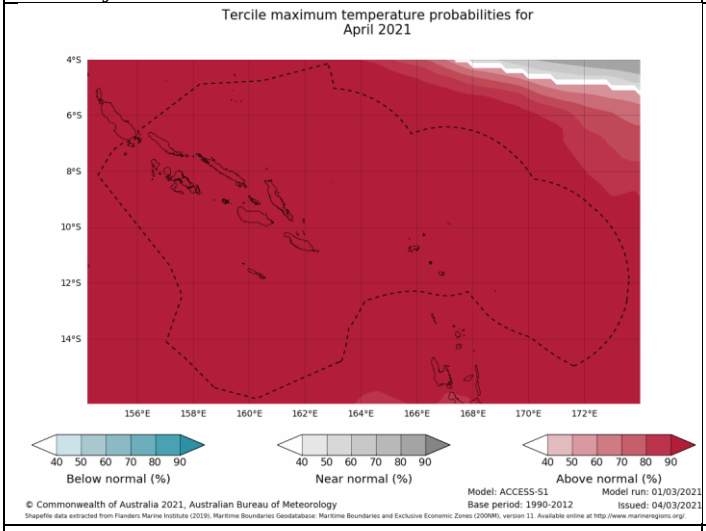
Monthly rainfall



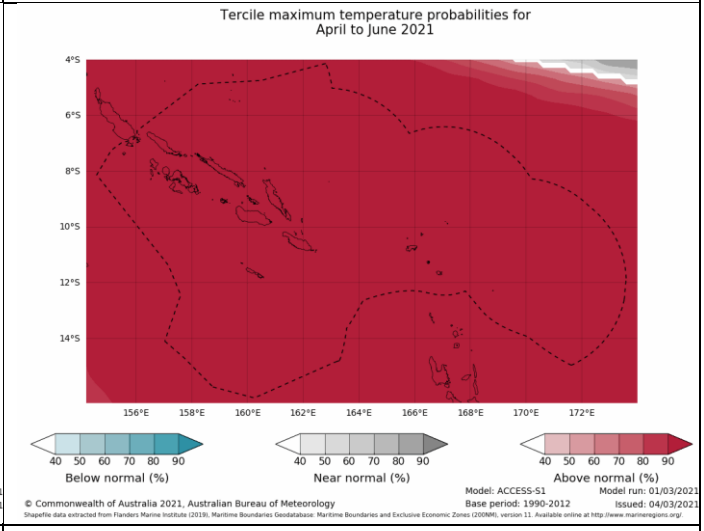
Seasonal rainfall



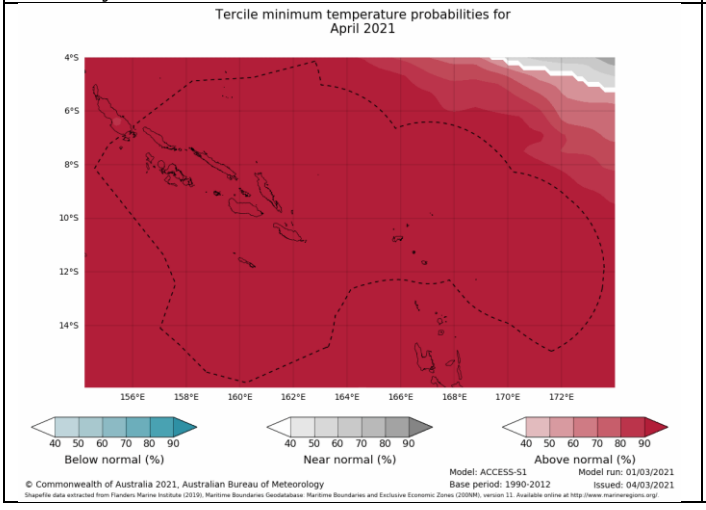
Monthly Tmax



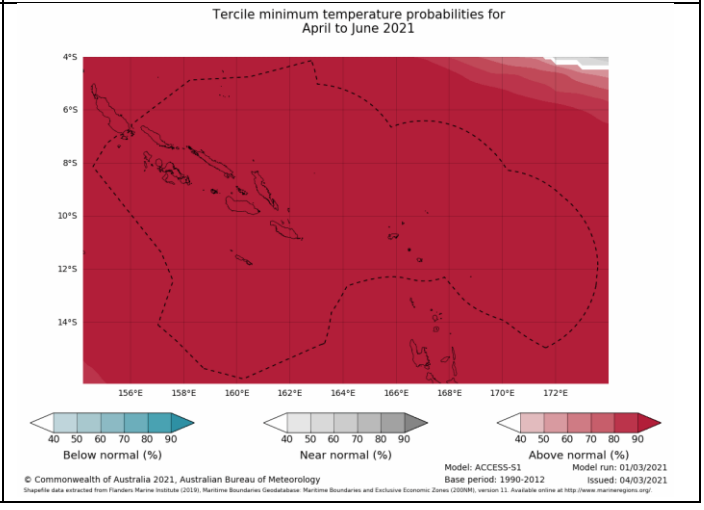
Seasonal Tmax



Monthly Tmin



Seasonal Tmin



Summary Statements

Rainfall for February 2021:

Rainfall in February was above normal in the central and eastern regions, and normal in the western region. Auki and Lata recorded their second highest rainfall in record.

Accumulated rainfall for December 2020 to February 2021, including outlook verification:

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

Outlooks for April to June 2021:

1. **SCOPIC:**
   Kirakira and Lata: The outlook favours above normal rainfall.

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

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

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

2. **ACCESS-S:**

   Monthly rainfall:

   The outlook for **April**, favours near-normal rainfall over most parts of the western region, as well as in Malaita, Isabel, parts of Guadalcanal, Makira and the eastern region. Below normal rainfall is favoured for the eastern part of Guadalcanal, the western part of Makira and the northern part of the EEZ.

   Monthly maximum and minimum temperatures:

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

   Seasonal rainfall:

   The outlook pattern for **April to June** favours near-normal rainfall over the western parts of the western region, and much of the eastern half of the EEZ, including Lata and nearby islands, while above normal is favoured for most parts of the central region.

   Seasonal maximum and minimum temperatures:

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

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0 Low: 0 ≤ X < 5 Moderate 5 ≤ X < 10 Good: 10 ≤ X < 15 High: 15≤ X < 25

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

TABLE 5: Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: February 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin		Red Cross, NDMO, Ministryof 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, Ministryof 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, Ministryof 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, Ministryof Agriculture, SIBC,Hydrology, Solomon star, Paoa FM, World Vision, Glodridge Mining, Ministry of Mines and Energy, MEHRD	14	9	5
		Total	**183**	**140**	**43**