

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 171

Country: Solomon Islands

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Sep-2021	Oct-2021	Nov-2021				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2021)	192.7	125.2	156.9	177.0	260.3	214.0	13/58
Henderson (1975-2021)	72.1	66.6	89.5	105.0	185.6	144.8	15/47
Honiara (1954-2021)	57.2	168.1	171.4	98.3	167.0	127.1	46/65
Kirakira (1965-2021)	342.6	290.6	364.4	172.6	282.3	228.2	47/54
Lata (1975-2021)	371.7	419.6	313.6	280.8	431.4	365.4	19/47
Munda (1962-2021)	312.2	207.5	210.2	185.1	271.2	235.0	26/60
Taro (1975-2021)	325.4	455.5	305.1	203.5	292.7	236.8	33/44

TABLE 2: Three-month Total Rainfall for September to November 2021

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Auki (1962-2021)	474.8	Below normal	594.0	694.2	648.0	8/58
Henderson (1975-2021)	228.2	Below normal	291.0	393.9	360.2	7/47
Honiara (1954-2021)	396.7	Normal	310.0	415.7	362.3	38/64
Kirakira (1965-2021)	997.6	Above normal	645.8	852.6	790.8	45/51
Lata (1975-2021)	1104.9	Normal	1000.2	1252.3	1067.2	26/47
Munda (1962-2021)	729.9	Normal	651.1	779.2	691.3	33/60
Taro (1975-2021)	1086.0	Above normal	752.5	878.3	814.3	38/42

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

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

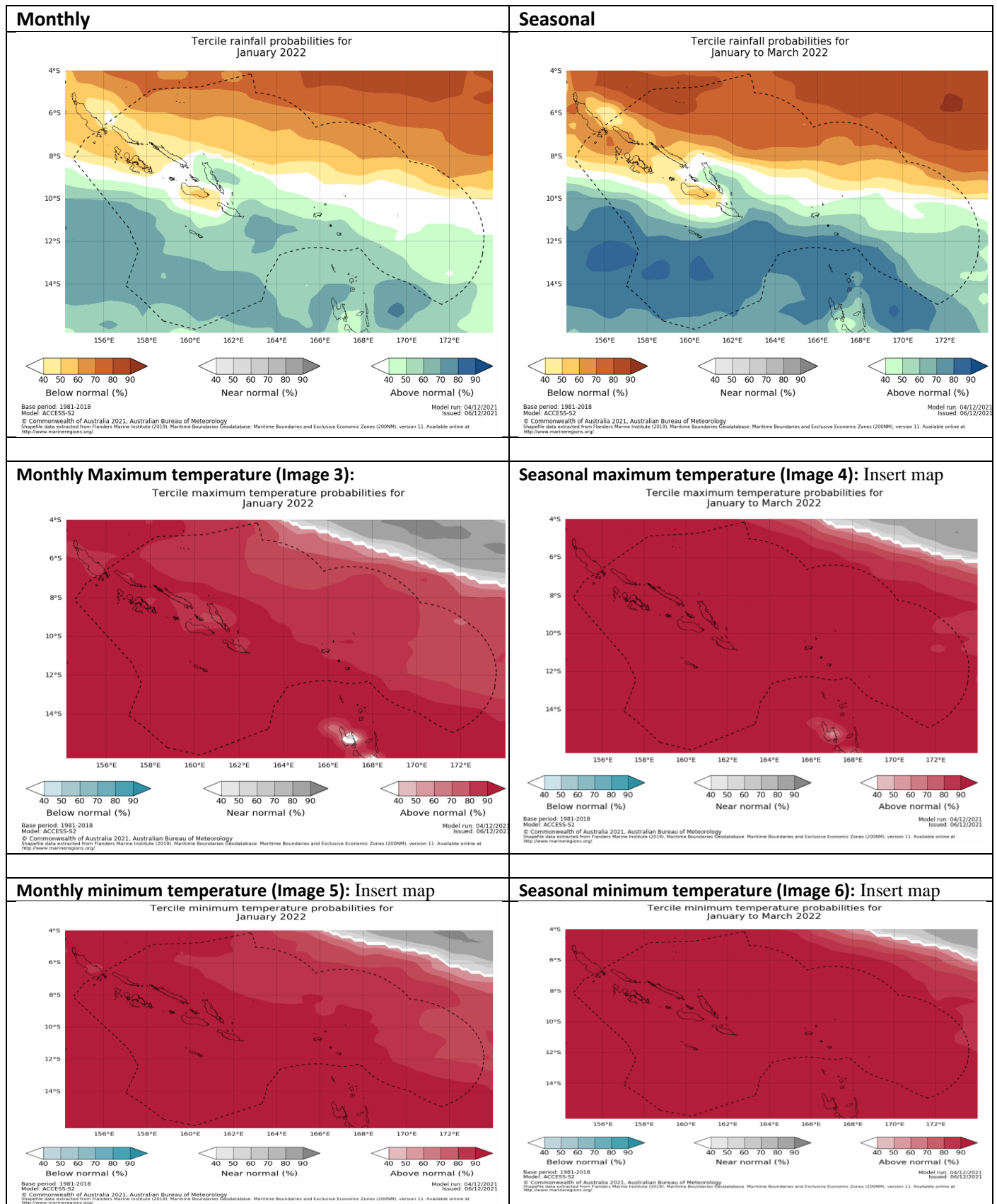
Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$ Exceptional: $X \geq 35$

Part 1i. Monthly and Seasonal Outlooks for January and January to March 2022



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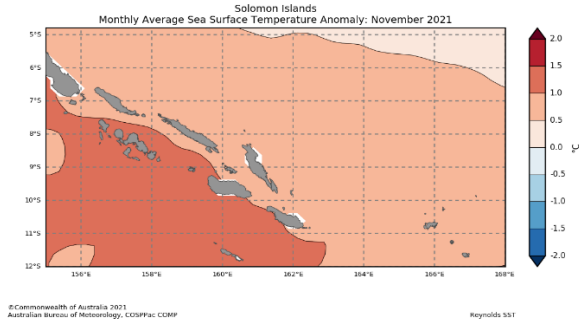
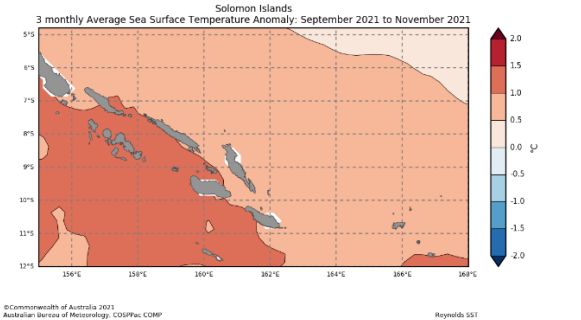
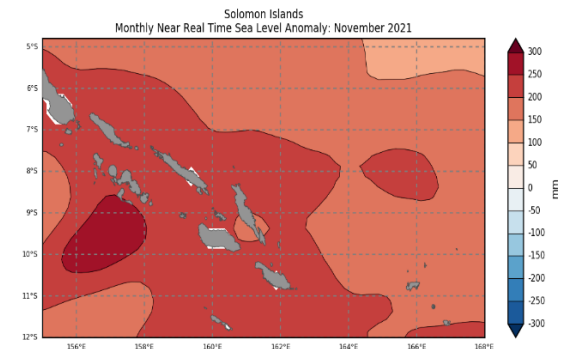
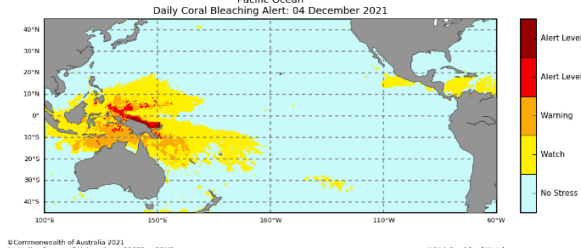
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Part 2: Recent Ocean summary statement

Monthly: November 2021

<p>Monthly: November</p>	<p>Last three months: September to November 2021:</p>
<p>Sea Surface Temperature (Image 1):</p>  <p>Solomon Islands Monthly Average Sea Surface Temperature Anomaly: November 2021</p> <p>©Commonwealth of Australia 2021 Australian Bureau of Meteorology, COSPPac COMP Reynolds SST</p>	<p>Sea Surface Temperature (Image 4):</p>  <p>Solomon Islands 3 monthly Average Sea Surface Temperature Anomaly: September 2021 to November 2021</p> <p>©Commonwealth of Australia 2021 Australian Bureau of Meteorology, COSPPac COMP Reynolds SST</p>
<p>Sea level (Image 2):</p>  <p>Solomon Islands Monthly Near Real Time Sea Level Anomaly: November 2021</p> <p>©Commonwealth of Australia 2021 Australian Bureau of Meteorology, COSPPac COMP AVISO SsaltoDuoCS SLA</p>	
<p>Daily coral bleaching alert (Image 3):</p>  <p>Pacific Ocean Daily Coral Bleaching Alert: 04 December 2021</p> <p>©Commonwealth of Australia 2021 Australian Bureau of Meteorology, COSPPac COMP NOAA Coral Reef Watch</p>	

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Part 2i. Monthly and Seasonal Outlooks for January and January to March 2022

<p>Monthly: January</p>	<p>Seasonal: January to March</p>
<p>Monthly sea surface temperature (Image 5):</p>	<p>Seasonal sea surface temperature (Image 6):</p>
<p>Difference from average sea surface temperature forecast for January 2022</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2021. Australian Bureau of Meteorology Graphic data extracted from Forecast Marine Outlook (FMO). Metadata: Metadata: Metadata: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.metrom.gov.au</p> <p>Model run: 04/12/2021 Issued: 06/12/2021</p>	<p>Difference from average sea surface temperature forecast for January to March 2022</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2021. Australian Bureau of Meteorology Graphic data extracted from Forecast Marine Outlook (FMO). Metadata: Metadata: Metadata: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.metrom.gov.au</p> <p>Model run: 04/12/2021 Issued: 06/12/2021</p>
<p>Monthly sea level (Image 7):</p>	<p>Seasonal sea level (Image 8):</p>
<p>Difference from average sea surface height forecast for January 2022</p> <p>© Commonwealth of Australia 2021 Bureau of Meteorology</p> <p>Model: ACCESS-S2 Base Period: 1981-2018</p> <p>Model Run: 28/11/2021 Issued: 07/12/2021</p>	<p>Difference from average sea surface height forecast for January 2022 to March 2022</p> <p>© Commonwealth of Australia 2021 Bureau of Meteorology</p> <p>Model: ACCESS-S2 Base Period: 1981-2018</p> <p>Model Run: 28/11/2021 Issued: 07/12/2021</p>
<p>4-week Coral Bleaching (Image 9):</p>	
<p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 26 December 2021</p> <p>© Commonwealth of Australia 2021 Australian Bureau of Meteorology, COSPPac: COMP</p> <p>NOAA Coral Reef Watch</p>	

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Summary Statement

Monthly and last three months: November 2021/September to November statement (*Highly significant changes*)

Monthly (November 2021)

Below-normal rainfall was recorded at Auki and Henderson, normal at Lata and Munda and above-normal at Honiara, Kirakira and Taro.

Three months - September to November 2021

In the central region, Auki and Henderson recorded below-normal rainfall, normal for Honiara and above-normal for Kirakira. Lata in the eastern region and Munda in the western region recorded normal rainfall whereas Taro in the western region recorded above normal rainfall. Taro recorded its fifth wettest September to November on record.

Part 1i. Monthly and Seasonal Outlooks for January and January to March 2022

Monthly /Seasonal rainfall and temperature Outlook statements (*Highly significant changes*)

Monthly rainfall Outlook statements

The outlook for January 2022 is likely to be above normal for Malaita, Makira, Rennell and Bellona and whole of the eastern region where as the whole of the western region and Guadalcanal in the central region is likely to be below-normal.

Seasonal Rainfall Outlook statements

The seasonal outlook for January to March 2022 is very likely to be below- normal over the western part of the country including Guadalcanal in the central region. Malaita, Makira and Rennell and Bellona as well as the eastern region is likely to be above-normal rainfall.

Part 2: Recent Ocean summary statement

Monthly and last three months: November/September to November 2021 (*Highly significant changes*)

Above average SST recorded up to 1 °C above average in the month of November and September to November 2021 across the country. Sea level also above average up to 250 mm.

Coral bleaching as at 4th December shows southern Solomon Islands on warning alert while remainder of the group on watch alert.

Part 2i. Monthly and Seasonal Outlooks for January and January to March 2022

Ocean Variable statement (*Highly significant changes*)

The outlook for Solomon Islands shows a significant temperature difference of 0.4 – 0.8 °C for January and January to March 2022. Sea levels forecast to be up to 200 mm above average with the potential for tidal flooding during the spring tide cycle in early January.

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Coral bleaching outlook to 2nd January indicates Alert level 1 in south western, with warning alerts along the central island group and remaining north eastern on watch alert.

TABLE 3: Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: November 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
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

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