

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 180

Country: Solomon Islands

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2022	Jul-2022	Aug-2022				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2022)	206.0	123.6	185.6	155.7	236.7	210.0	28/61
Henderson (1975-2022)	68.3	31.2	136.7	70.5	104.1	87.0	37/48
Honiara (1954-2022)	88.2	22.9	169.3	66.6	104.1	89.1	62/67
Kirakira (1965-2022)	310.4	187.4	229.4	192.4	339.8	260.4	23/55
Lata (1975-2022)	289.3	134.4	432.2	280.9	402.8	320.1	37/48
Munda (1962-2022)	147.1	49.5	184.4	202.0	310.3	266.8	15/61
Taro (1975-2022)	172.5	201.5	277.4	269.9	361.6	297.5	16/45

TABLE 2: Three-month Total Rainfall for June to August 2022

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Auki (1962-2022)	515.2	Below normal	553.1	670.3	608.6	17/60
Henderson (1975-2022)	236.2	Normal	231.3	314.1	262.0	18/48
Honiara (1954-2022)	280.4	Normal	236.3	316.9	274.2	36/66
Kirakira (1965-2022)	727.2	Below normal	735.6	993.6	887.6	19/55
Lata (1975-2022)	855.9	Below normal	886.7	1199.9	1047.3	14/48
Munda (1962-2022)	381.0	Below normal	769.3	979.1	843.8	3/61
Taro (1975-2022)	651.4	Below normal	832.5	999.6	888.0	4/44

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

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

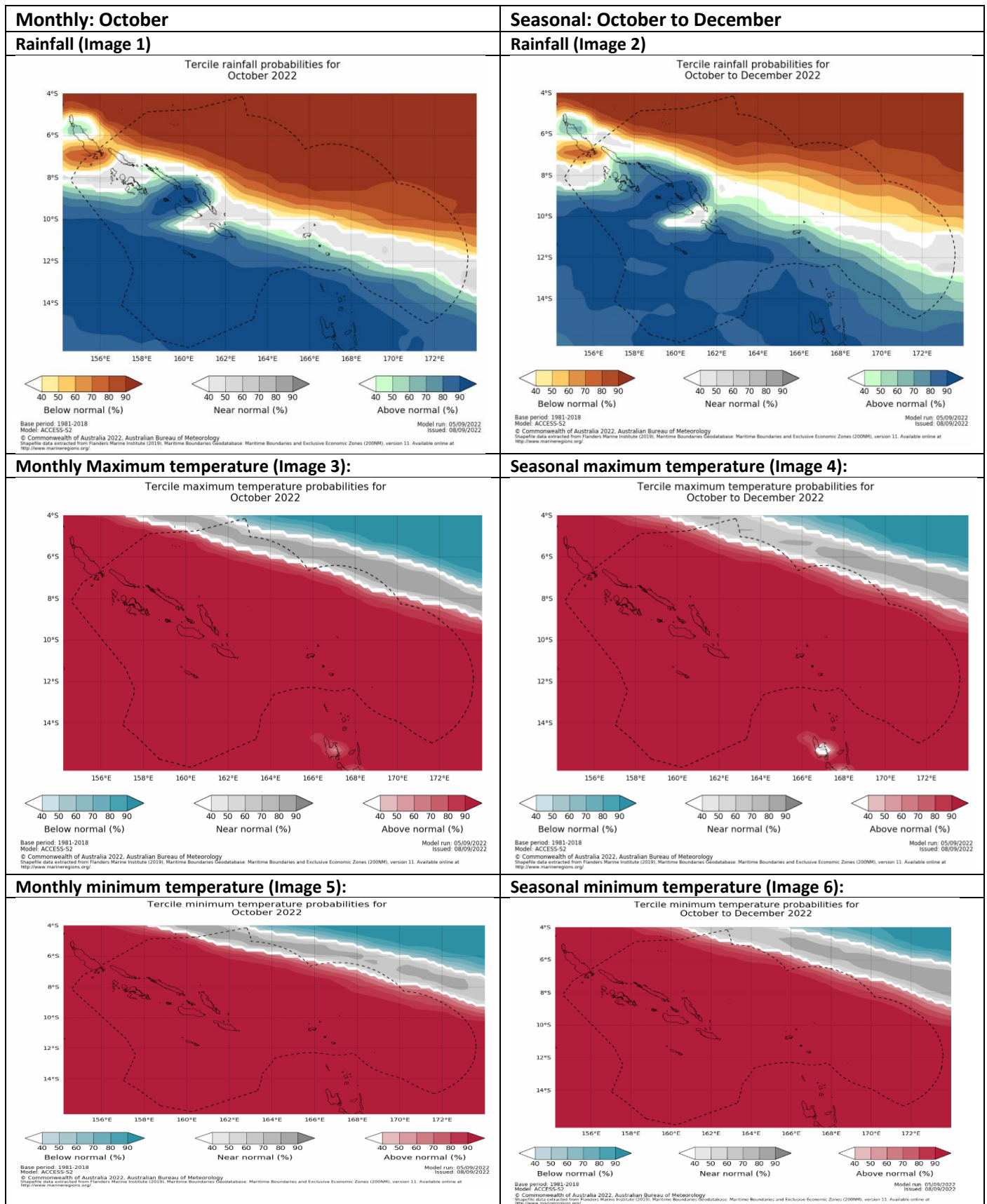
Moderate $5 \leq X < 10$

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 October and October to December 2022



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Part 2: Recent Ocean Observation

Monthly/Three months: August 2022 and June to August 2022

<p>Monthly: August</p>	<p>Last three months: June to August 2022:</p>
<p>Sea Surface Temperature (Image 1):</p>	<p>Sea Surface Temperature (Image 4):</p>
<p>Solomon Islands Monthly Average Sea Surface Temperature Anomaly: August 2022</p> <p>©Commonwealth of Australia 2022 Australian Bureau of Meteorology, COSPPac COMP Reynolds SST</p>	<p>Solomon Islands 3 monthly Average Sea Surface Temperature Anomaly: June 2022 to August 2022</p> <p>©Commonwealth of Australia 2022 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: August 2022</p> <p>©Commonwealth of Australia 2022 Australian Bureau of Meteorology, COSPPac COMP AVISO SeaLelDucks SLA</p>	
<p>Daily coral bleaching alert (Image 3):</p>	
<p>Pacific Ocean Daily Coral Bleaching Alert: 06 September 2022</p> <p>©Commonwealth of Australia 2022 Australian Bureau of Meteorology, COSPPac COMP NOAA Coral Reef Watch</p>	<p>Solomon Islands Daily Coral Bleaching Alert: 06 September 2022</p> <p>©Commonwealth of Australia 2022 Australian Bureau of Meteorology, COSPPac COMP NOAA Coral Reef Watch</p>

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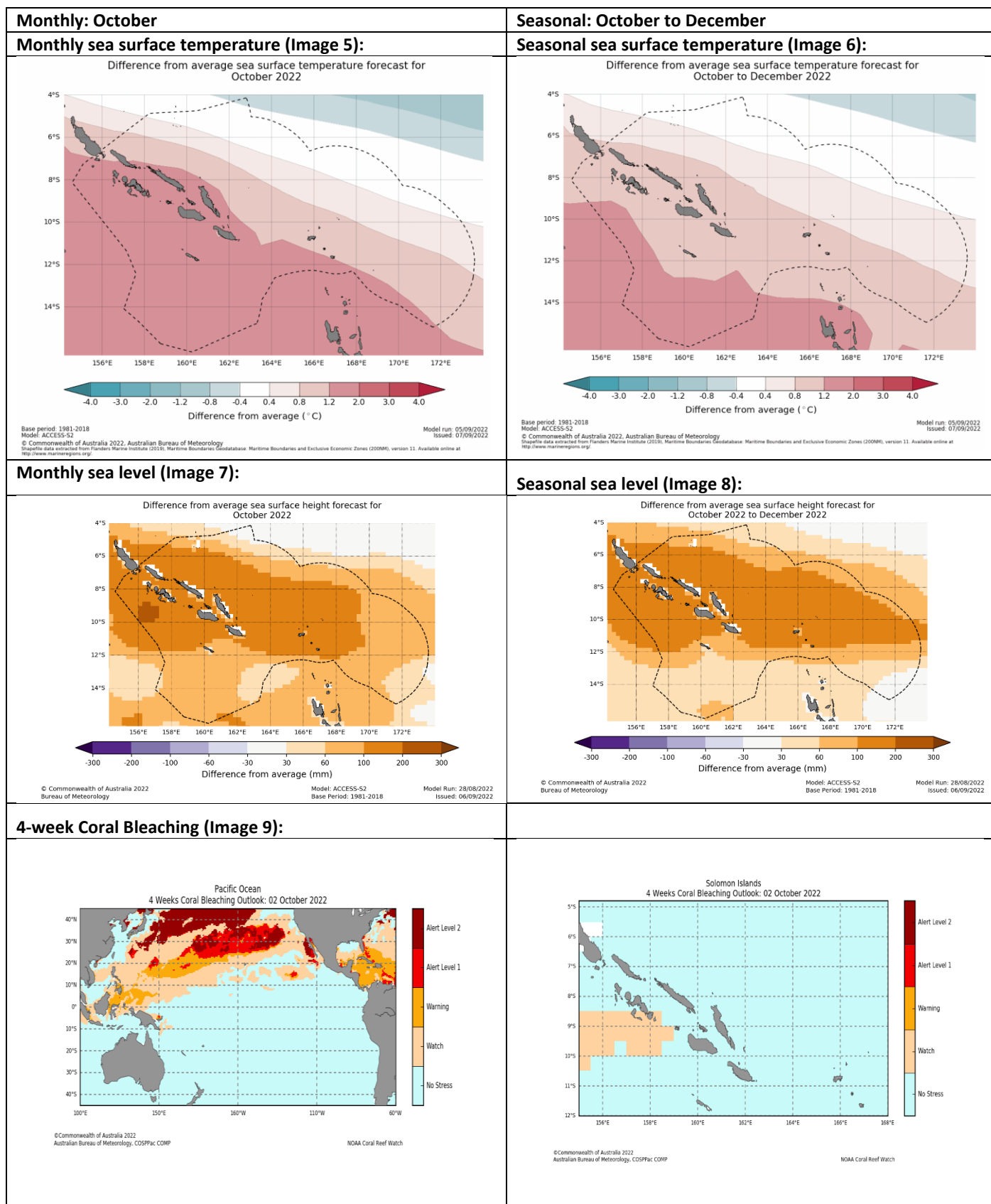
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Part 2i. Monthly and Seasonal Outlooks for October and October to December 2022



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Summary Statement

Monthly and last three months: August 2022/June to August 2022 statement (*Highly significant changes*)

Monthly (August 2022)

In the central region, Auki and Kirakira recorded normal rainfall and above-normal for Henderson and Honiara and Lata in the eastern region. In the western region Taro recorded normal rainfall and below normal for Munda. Honiara recorded its sixth wettest August in record.

Three months – June to August 2022

Below normal rainfall was observed across the country, except for Henderson and Honiara in the central region which recorded normal-rainfall. Munda and Taro recorded their third and fourth driest June to August on record.

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2022

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

Monthly rainfall and temperature Outlook statements

October rainfall is very likely to be above normal over Isabel, Malaita, the eastern parts of the Western province and most parts of Guadalcanal, Makira and Temotu Province. The northern part of the eastern region and the far west of the western region shows near-normal is more likely. Above normal temperatures are very likely for October.

Seasonal Rainfall and temperature Outlook statements

The rainfall outlook for October to December is very likely to be above-normal over the country except for the far west of the western region which is likely to be near-normal. The temperature outlook for October to December for the country is very likely to be above-normal.

Part 2: Recent Ocean summary statement

Monthly and last three months: August/June to August 2022 (*Highly significant changes*)

For August 2022 and the past three months, June to August 2022, Solomon Islands experienced above average sea surface temperatures of 0.5-2.0 degrees Celsius, but mainly around 0.5 to 1.5°C above average around the main islands. The sea level was above normal over all of Solomon Islands in August, mostly in the range from 150 mm to 250mm near the main islands.

Part 2i. Monthly and Seasonal Outlooks for October and October to December 2022

Ocean Variable statement (*Highly significant changes*)

The monthly and seasonal outlooks show SSTs above normal by around 0.8 to 2°C.

The monthly and seasonal sea level anomaly forecasts show above normal heights ranging from 150 to 250 mm for majority of Solomon Islands.

Coral bleaching outlook is on 'Watch Level' for most of the western region and the eastern region. 'No Stress' for the waters around the central region of Solomon Islands for the next four weeks.

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

Product	Date: August 2022	Stakeholder	Total Number of Participants	Number of males	Number of females
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
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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