

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 185

Country: Solomon Islands

Part 1: Recent climate

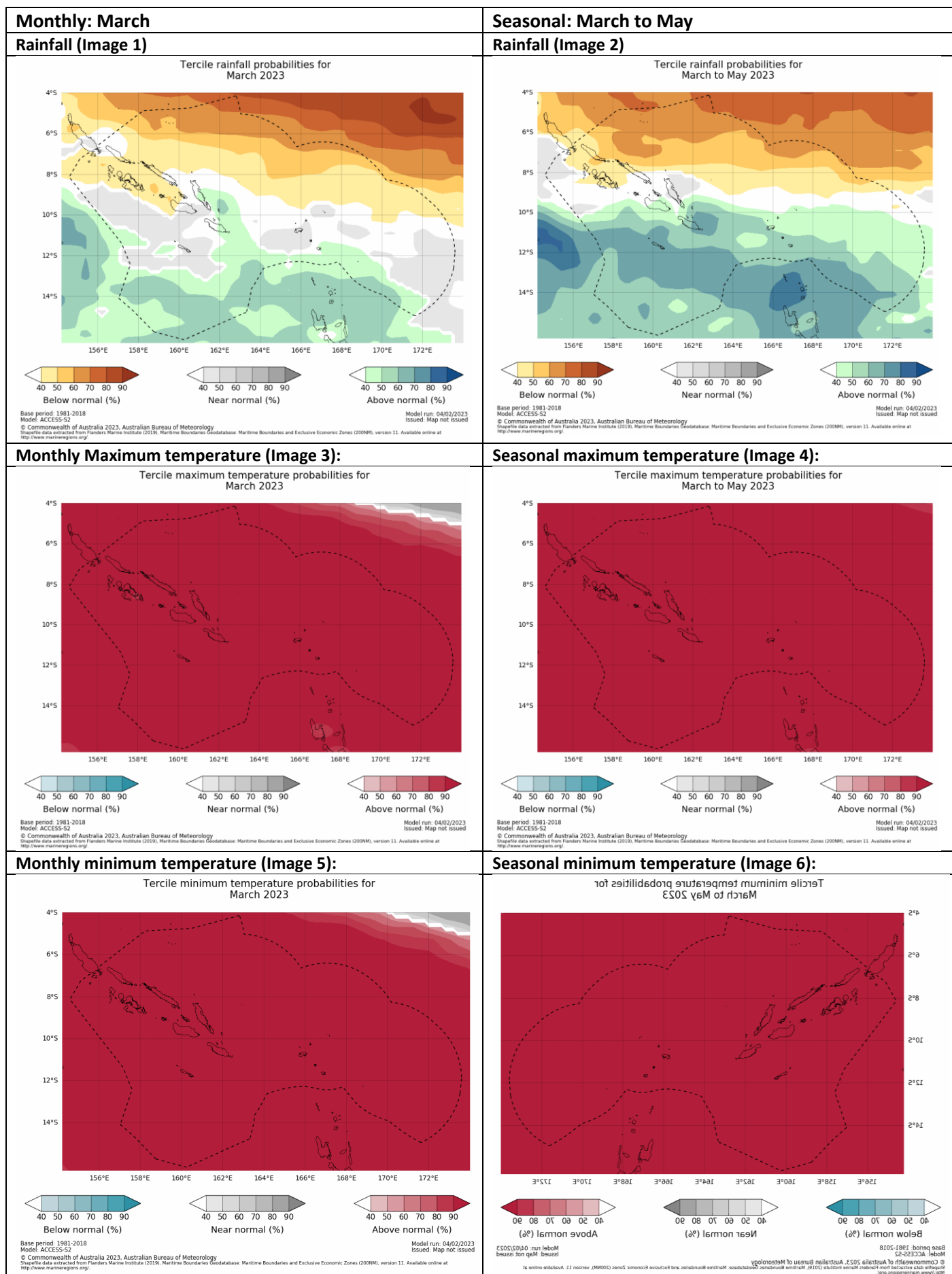
TABLE 1: Monthly Rainfall

Station (include data period)	Nov-2022	Dec-2022	Jan-2023				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
	Auki (1962-2023)	256.4	349.0	607.9	293.2	422.2	
Henderson (1975-2023)	262.4	219.3	393.5	184.8	266.2	214.5	44/49
Honiara (1954-2023)	280.7	251.6	271.4	193.1	300.0	251.6	40/67
Kirakira (1965-2023)	320.6	485.8	611.4	236.2	422.0	319.4	52/56
Lata (1975-2023)	342.6	236.2	725.0	339.9	451.0	374.2	45/49
Munda (1962-2023)	261.2	269.8	340.5	285.4	416.6	369.0	27/62
Taro (1975-2023)	234.9	329.7	278.3	212.6	277.4	239.6	31/45

TABLE 2: Three-month Total Rainfall for November 2022 to January 2023

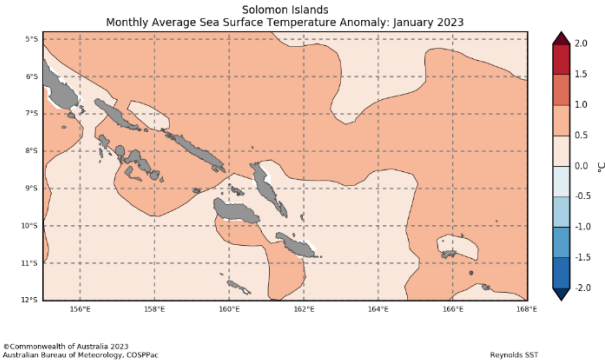
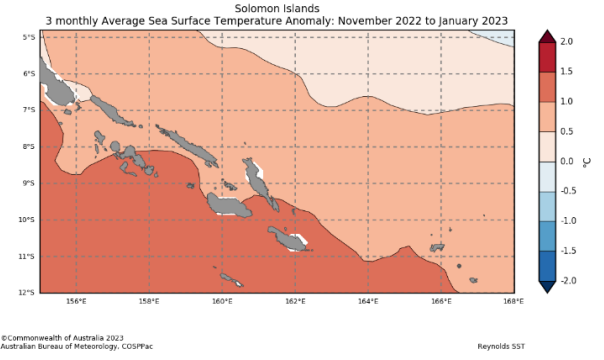
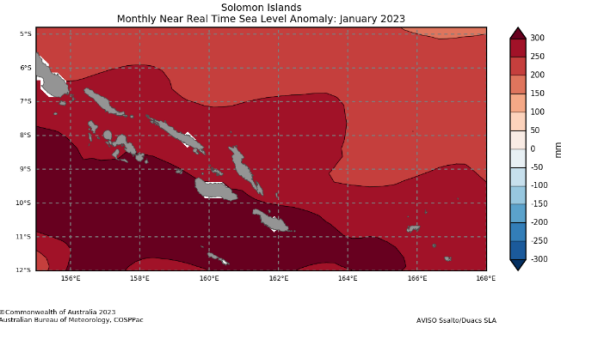
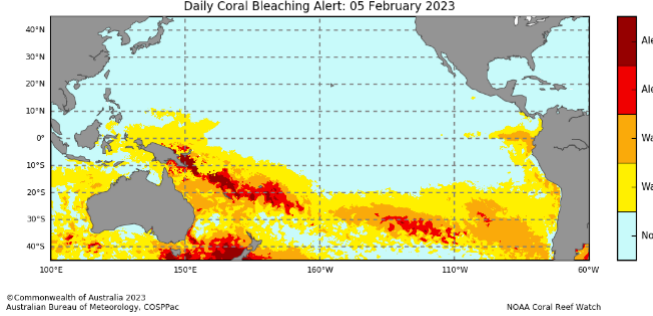
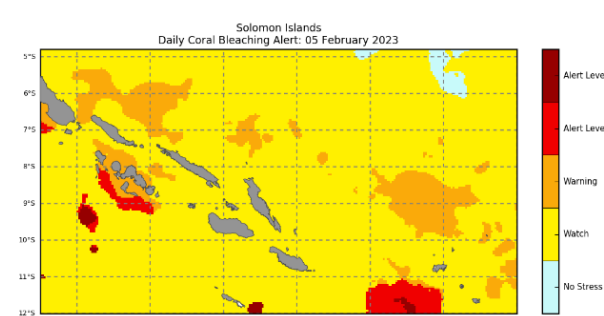
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Auki (1962-2023)	1213.3	Above normal	777.8	976.8	874.8	51/59
Henderson (1975-2023)	875.2	Above normal	459.9	731.4	592.2	42/48
Honiara (1954-2023)	803.7	Above normal	511.3	694.4	590.1	53/65
Kirakira (1965-2023)	1417.8	Above normal	710.8	945.8	829.5	48/54
Lata (1975-2023)	1303.8	Above normal	1044.1	1291.5	1120.6	33/48
Munda (1962-2023)	871.5	Normal	810.5	1024.2	863.3	32/61
Taro (1975-2023)	842.9	Above normal	629.4	788.8	705.3	37/42

Part 1i. Monthly and Seasonal Outlooks for March and March to May 2023



Part 2: Recent Ocean Observation

Monthly/Three months: January 2023 and November 2022 to January 2023

Monthly: January	Last three months: November 2022 to January 2023:
<p>Sea Surface Temperature (Image 1):</p>  <p>Solomon Islands Monthly Average Sea Surface Temperature Anomaly: January 2023</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>	<p>Sea Surface Temperature (Image 4):</p>  <p>Solomon Islands 3 monthly Average Sea Surface Temperature Anomaly: November 2022 to January 2023</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>
<p>Sea level (Image 2):</p>  <p>Solomon Islands Monthly Near Real Time Sea Level Anomaly: January 2023</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>AVISO SeaWiFS/QuikSCAT SLA</p>	
<p>Daily coral bleaching alert (Image 3):</p>  <p>Pacific Ocean Daily Coral Bleaching Alert: 05 February 2023</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>	 <p>Solomon Islands Daily Coral Bleaching Alert: 05 February 2023</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>

Part 2i. Monthly and Seasonal Outlooks for March and March to May 2023

Monthly: March	Seasonal: March to May
<div>Monthly sea surface temperature (Image 5):</div> <div><p>Difference from average sea surface temperature forecast for March 2023</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapfile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.maritimerregions.org/</p><p>Model run: 11/02/2023 Issued: 13/02/2023</p></div>	<div>Seasonal sea surface temperature (Image 6):</div> <div><p>Difference from average sea surface temperature forecast for March to May 2023</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapfile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.maritimerregions.org/</p><p>Model run: 11/02/2023 Issued: 13/02/2023</p></div>
<div>Monthly sea level (Image 7):</div> <div><p>Difference from average sea surface height forecast for March 2023</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapfile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.maritimerregions.org/</p><p>Model run: 11/02/2023 Issued: 13/02/2023</p></div>	<div>Seasonal sea level (Image 8):</div> <div><p>Difference from average sea surface height forecast for March to May 2023</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapfile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.maritimerregions.org/</p><p>Model run: 11/02/2023 Issued: 13/02/2023</p></div>
<div>4-week Coral Bleaching (Image 9):</div> <div><p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 05 March 2023</p><p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>	<div><p>Solomon Islands 4 Weeks Coral Bleaching Outlook: 05 March 2023</p><p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>

Summary Statement

Monthly and last three months: January 2023/November 2022 to January 2023 statement

Monthly rainfall: January 2023

January rainfall was above normal for Auki, Henderson and Kirakira in the central region, Lata in the eastern region, and Taro in the western region. Honiara and Munda posted near-normal January totals.

Three months rainfall: November 2022 to January 2023

All stations recorded above normal rainfall, except for Munda in the western region which recorded normal rainfall.

Part 1i. Monthly and Seasonal Outlooks for March and March to May 2023

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for March is likely to be below normal over most of the western region and the western part of Guadalcanal. Near-normal is likely over the rest of Guadalcanal, the western part of Makira, Rennell and Bellona, and the eastern region. In the western part of Choiseul the outlook offers little guidance. Above normal is likely over the central part of Malaita and the rest of Makira.

The rainfall for March to May is likely to be below normal over the western region, above normal over the central and eastern parts of Guadalcanal, and the whole of Makira, Rennell and Bellona, and the eastern region. The outlook offers little guidance over the eastern part of Isabel, the whole of central province, Malaita and the western part of Guadalcanal.

Maximum and minimum temperatures during March and averaged over March to May are very likely to be above normal over the country.

Part 2: Recent Ocean summary statement

Monthly and last three months: January 2023/November 2022 to January 2023

Ocean temperatures in January and averaged over November 2022 to January 2023 around the Solomon Islands were between 0.5°C to 1.5°C above normal.

January sea levels around the Solomon Islands' main islands were 250 mm to over 300 mm above normal.

Coral bleaching alert is on 'Alert Level 1 and 2' status for western and far southern Solomon Islands.

Part 2i. Monthly and Seasonal Outlooks for March and March to May 2023

Ocean Variable statement

March and averaged March to May ocean temperatures around Solomon Islands are predicted to be 0.4 to 0.8°C above normal.

March and the averaged March to May sea levels around Solomon Islands are forecasted to be 60 mm to 300 mm above normal.

Coral bleaching outlook predicts 'Alert Level 1' for southwestern Solomon Islands.

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

Product	Date: January 2023	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, Goodridge 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, Goodridge Mining, Ministry of Mines and Energy, MEHRD	14	9	5
Total			125	94	31