

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 184

Country: Solomon Islands

Part 1: Recent climate

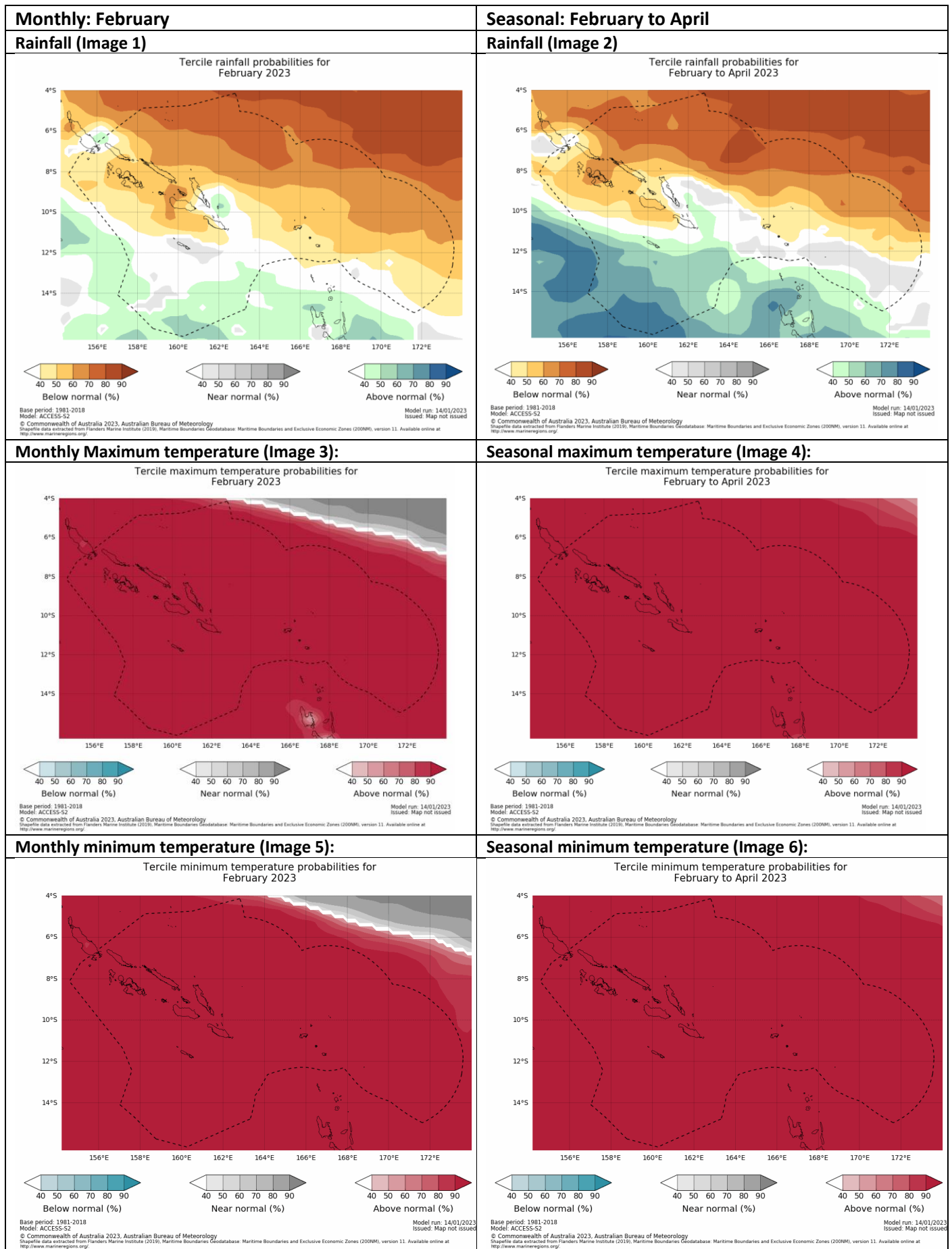
TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2022	Nov-2022	Dec-2022				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2022)	196.1	256.4	349.0	210.5	317.8	266.2	43/59
Henderson (1975-2022)	113.8	262.4	219.3	114.7	250.1	170.8	28/48
Honiara (1954-2022)	54.5	280.7	251.6	136.8	259.7	180.6	44/67
Kirakira (1965-2022)	240.6	320.6	485.8	208.2	350.4	246.8	44/55
Lata (1975-2022)	235.6	342.6	236.2	285.4	409.9	353.4	13/48
Munda (1962-2022)	223.3	261.2	269.8	213.8	323.6	278.3	30/61
Taro (1975-2022)	124.1	234.9	329.7	163.0	241.6	202.9	41/45

TABLE 2: Three-month Total Rainfall for October to December 2022

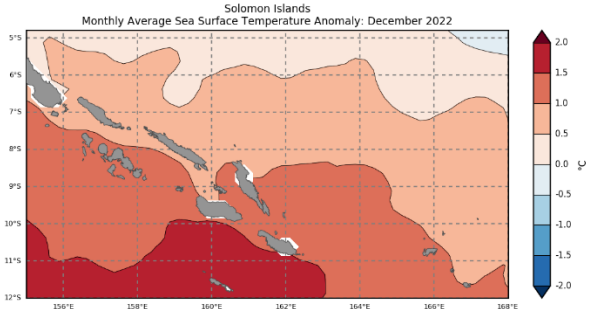
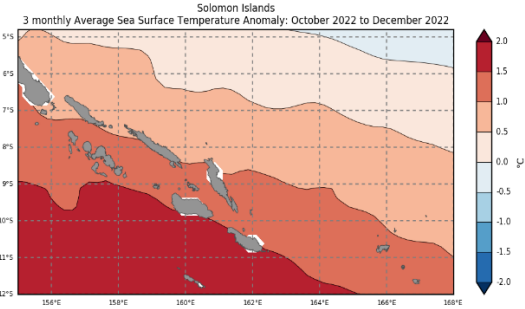
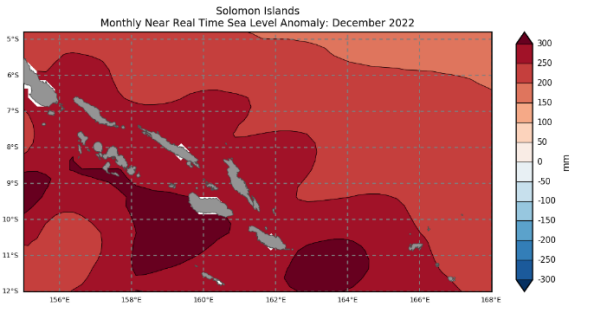
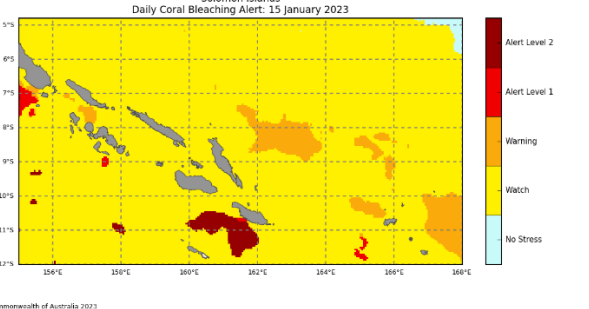
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Auki (1962-2022)	801.5	Normal	621.8	802.8	705.5	39/59
Henderson (1975-2022)	595.5	Above normal	350.2	498.7	424.6	35/48
Honiara (1954-2022)	586.8	Above normal	386.2	563.0	452.4	44/65
Kirakira (1965-2022)	1047.0	Above normal	675.5	891.5	731.0	42/54
Lata (1975-2022)	814.4	Below normal	996.9	1209.2	1123.2	8/48
Munda (1962-2022)	754.3	Normal	709.6	814.6	759.9	30/61
Taro (1975-2022)	688.7	Normal	663.6	819.9	743.1	20/43

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2023



Part 2: Recent Ocean Observation

Monthly/Three months: December 2022 and October to December 2022

Monthly: December	Last three months: October to December 2022:
<p>Sea Surface Temperature (Image 1):</p>	<p>Sea Surface Temperature (Image 4):</p>
 <p>Solomon Islands Monthly Average Sea Surface Temperature Anomaly: December 2022</p> <p>Reynolds SST</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPac COMP</p>	 <p>Solomon Islands 3 monthly Average Sea Surface Temperature Anomaly: October 2022 to December 2022</p> <p>Reynolds SST</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPac COMP</p>
<p>Sea level (Image 2):</p>	
 <p>Solomon Islands Monthly Near Real Time Sea Level Anomaly: December 2022</p> <p>AVISO SeaWiFS/SIA</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPac COMP</p>	
<p>Daily coral bleaching alert (Image 3):</p>	
 <p>Solomon Islands Daily Coral Bleaching Alert: 15 January 2023</p> <p>NDAK Coral Reef Watch</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPac COMP</p>	

Part 2i. Monthly and Seasonal Outlooks for February and February to April 2023

<p>Monthly: February</p>	<p>Seasonal: February to April</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 February 2023</p> <p>Difference from average (°C)</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Geospatial data extracted from Australia's Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marine.gov.au/</p> <p>Model run: 14/01/2023 Issued: 16/01/2023</p>	<p>Difference from average sea surface temperature forecast for February to April 2023</p> <p>Difference from average (°C)</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Geospatial data extracted from Australia's Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marine.gov.au/</p> <p>Model run: 14/01/2023 Issued: 16/01/2023</p>
<p>Monthly sea level (Image 7):</p>	<p>Seasonal sea level (Image 8):</p>
<p>Difference from average sea surface height forecast for February 2023</p> <p>Difference from average (mm)</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Geospatial data extracted from Australia's Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marine.gov.au/</p> <p>Model run: 14/01/2023 Issued: 16/01/2023</p>	<p>Difference from average sea surface height forecast for February to April 2023</p> <p>Difference from average (mm)</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Geospatial data extracted from Australia's Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marine.gov.au/</p> <p>Model run: 14/01/2023 Issued: 16/01/2023</p>
<p>4-week Coral Bleaching (Image 9):</p>	
<p>4 Week Coral Bleaching Outlook: 15 February 2023</p> <p>© Commonwealth of Australia 2023, Australian Bureau of Meteorology Geospatial data extracted from Australia's Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marine.gov.au/</p>	

Summary Statement

Monthly and last three months: December 2022/October to December 2022 statement

Monthly rainfall: December 2022

December rainfall was above normal for Auki and Kirakira in the central region, and at Taro in the western region. Henderson and Honiara in the central region recorded near-normal totals, as did Munda in the western, but Lata in the eastern region recorded below normal.

Three months rainfall: October to December 2022

In the central region, Auki recorded near-normal, while Henderson, Honiara and Kirakira registered above normal. Lata in the eastern region recorded below normal rainfall, and Munda and Taro in the western region posted near-normal totals.

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2023

Monthly /Seasonal rainfall and temperature Outlook statements

February and February to April rainfall are likely to be below normal across most of the more populated islands, except for Malaita and Makira at the three-month period for which the outlook offers little guidance.

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

Part 2: Recent Ocean summary statement

Monthly and last three months: December/October to December 2022

Ocean temperatures in December and averaged over October to December around the Solomon Islands were higher than normal ranging from 0.5°C to 2.0°C.

December sea levels around the Solomon Islands were above normal with the main islands having sea levels 200 mm to 300 mm above normal.

Coral bleaching alert is on 'Watch level' status for Solomon Islands.

Part 2i. Monthly and Seasonal Outlooks for February and February to April 2023

Ocean Variable statement

February ocean temperatures around Solomon Islands are predicted to be 0.4 to 1.2°C above normal.

Averaged over February to April, ocean temperatures around Solomon Islands are predicted to be 0.4 to 1.2°C above normal.

February and the averaged February to April Sea levels around Solomon Islands are forecasted to be 60 mm to 300 mm above normal.

4 weeks Coral bleaching outlook indicates warning for most of Solomon Islands with alert levels 1 and 2 in the northern and western regions.

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

Product	Date: December 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, 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