

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 168

Country: Solomon Islands

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2021	Jul-2021	Aug-2021				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2021)	124.1	157.1	235.8	154.5	237.4	201.0	39/60
Henderson (1975-2021)	30.6	122.4	148.6	70.0	102.4	85.6	41/47
Honiara (1954-2021)	26.1	81.2	178.2	65.3	100.7	89.0	62/66
Kirakira (1965-2021)	591.0	340.8	467.0	192.2	336.4	258.3	45/54
Lata (1975-2021)	460.8	513.6	303.8	276.1	405.0	322.9	21/47
Munda (1962-2021)	236.8	189.5	302.2	202.0	310.9	266.7	38/60
Taro (1975-2021)	239.8	256.8	358.1	265.8	363.4	293.8	29/44

TABLE 2: Three-month Total Rainfall for June to August 2021

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Auki (1962-2021)	517.0	Below normal	553.2	671.1	608.6	17/59
Henderson (1975-2021)	301.6	Normal	229.6	316.5	256.4	30/47
Honiara (1954-2021)	285.5	Normal	235.4	317.3	274.2	36/65
Kirakira (1965-2021)	1398.8	Above normal	727.1	982.8	887.6	51/54
Lata (1975-2021)	1278.2	Above normal	876.0	1192.0	1047.0	35/47
Munda (1962-2021)	728.5	Below normal	755.4	961.5	828.2	16/60
Taro (1975-2021)	854.7	Normal	831.5	1004.3	888.0	17/43

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

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

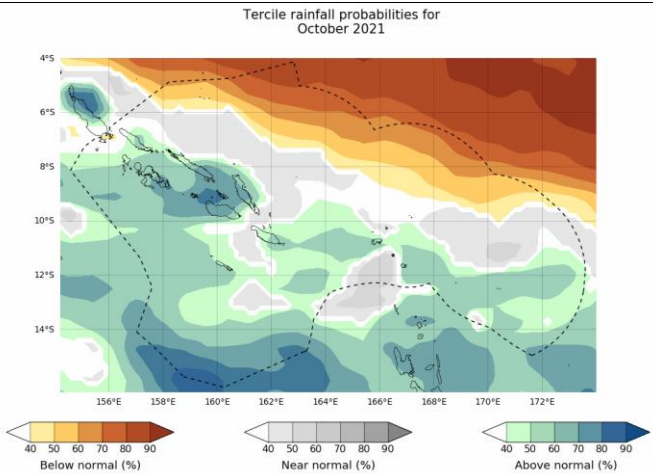
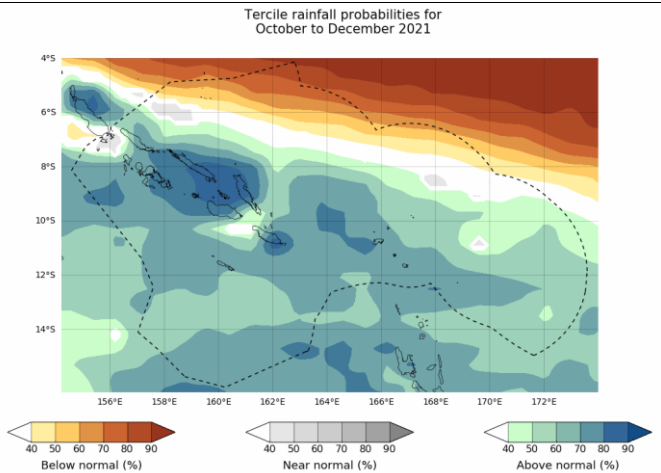
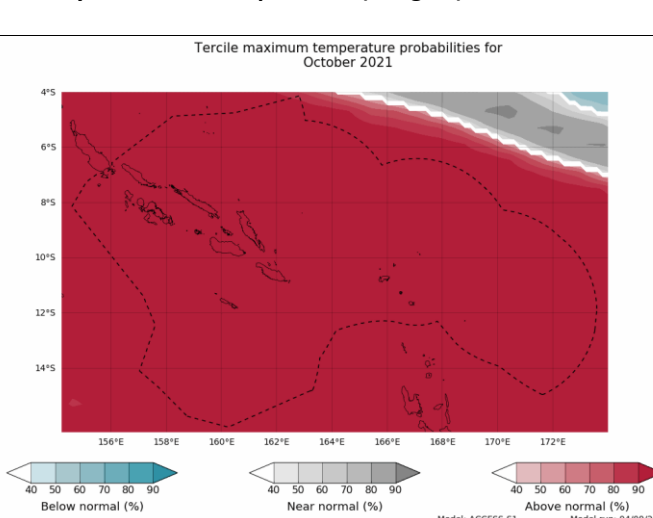
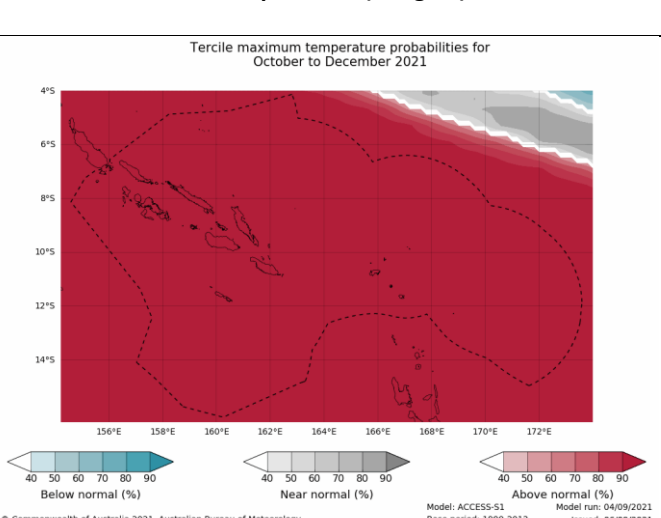
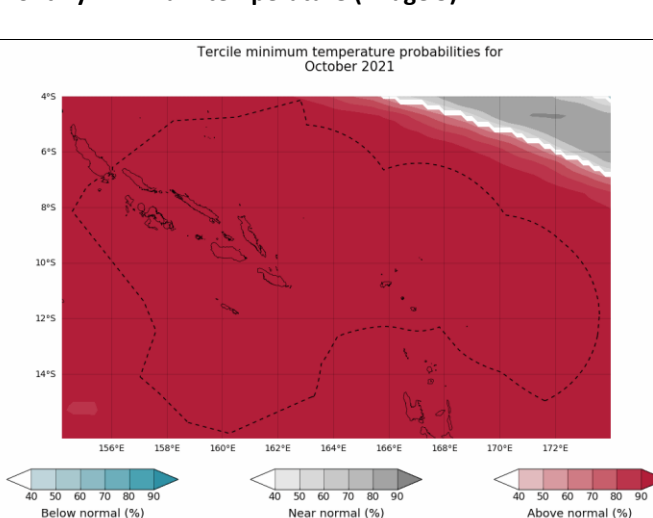
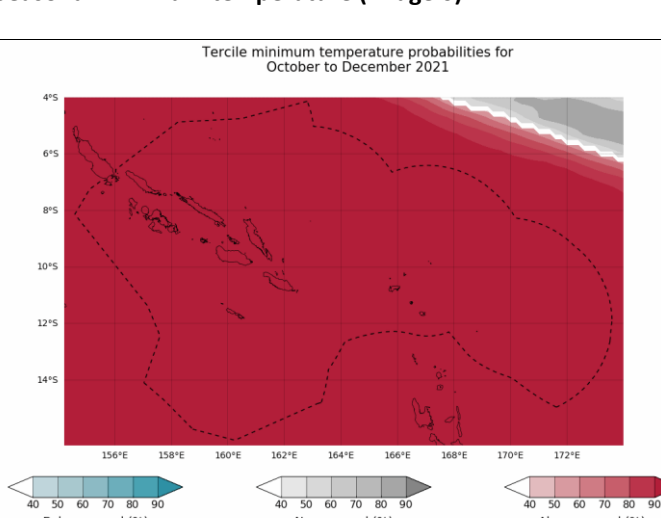
Moderate $5 \leq X < 10$

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 2021

Monthly	Seasonal
<p>Rainfall (Image 1)</p> <p>Tercile rainfall probabilities for October 2021</p>  <p>© Commonwealth of Australia 2021, Australian Bureau of Meteorology <small>Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marinegovernor.org/</small></p>	<p>Rainfall (Image 2)</p> <p>Tercile rainfall probabilities for October to December 2021</p>  <p>© Commonwealth of Australia 2021, Australian Bureau of Meteorology <small>Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marinegovernor.org/</small></p>
<p>Monthly Maximum temperature (Image 3):</p> <p>Tercile maximum temperature probabilities for October 2021</p>  <p>© Commonwealth of Australia 2021, Australian Bureau of Meteorology <small>Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marinegovernor.org/</small></p>	<p>Seasonal maximum temperature (Image 4):</p> <p>Tercile maximum temperature probabilities for October to December 2021</p>  <p>© Commonwealth of Australia 2021, Australian Bureau of Meteorology <small>Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marinegovernor.org/</small></p>
<p>Monthly minimum temperature (Image 5):</p> <p>Tercile minimum temperature probabilities for October 2021</p>  <p>© Commonwealth of Australia 2021, Australian Bureau of Meteorology <small>Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marinegovernor.org/</small></p>	<p>Seasonal minimum temperature (Image 6):</p> <p>Tercile minimum temperature probabilities for October to December 2021</p>  <p>© Commonwealth of Australia 2021, Australian Bureau of Meteorology <small>Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marinegovernor.org/</small></p>

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Part 2: Recent Ocean summary statement

Monthly: August 2021

Monthly: August	Last three months: June to August 2021:
<p>Sea Surface Temperature (Image 1):</p>	<p>Sea Surface Temperature (Image 4):</p>
<p>Solomon Islands Monthly Average Sea Surface Temperature Anomaly: August 2021</p> <p>©Pacific Community (SPC) 2021 Geoscience Energy and Maritime Division, COSPPac SPP Reynolds SST</p>	<p>Solomon Islands 3 monthly Average Sea Surface Temperature Anomaly: June 2021 to August 2021</p> <p>©Pacific Community (SPC) 2021 Geoscience Energy and Maritime Division, COSPPac SPP Reynolds SST</p>
<p>Sea level (Image 2):</p>	
<p>Solomon Islands Monthly Near Real Time Sea Level Anomaly: August 2021</p> <p>©Pacific Community (SPC) 2021 Geoscience Energy and Maritime Division, COSPPac SPP AVISO SeaWiFS/QuikSCAT SLA</p>	
<p>Daily coral bleaching alert (Image 3):</p>	
<p>Pacific Ocean Daily Coral Bleaching Alert: 06 September 2021</p> <p>©Pacific Community (SPC) 2021 Geoscience Energy and Maritime Division, COSPPac SPP NOAA Coral Reef Watch</p>	

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Part 2i. Monthly and Seasonal Outlooks for October and October to December 2021

Monthly: October	Seasonal: October to December
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):
<p>Difference from average sea surface temperature forecast for October 2021</p> <p>Difference from average (°C)</p> <p>Model: ACCESS-S1 Base period: 1990-2012 Model run: 04/09/2021 Issued: 06/09/2021</p> <p><small>© Commonwealth of Australia 2021, Australian Bureau of Meteorology Shapefile data extracted from Flinders Marine Institute (2019); Maritime Boundaries Geodatabase; Maritime Boundaries and Exclusive Economic Zones (2008M), version 11. Available online at http://www.marine.gov.au/</small></p>	<p>Difference from average sea surface temperature forecast for October to December 2021</p> <p>Difference from average (°C)</p> <p>Model: ACCESS-S1 Base period: 1990-2012 Model run: 04/09/2021 Issued: 06/09/2021</p> <p><small>© Commonwealth of Australia 2021, Australian Bureau of Meteorology Shapefile data extracted from Flinders Marine Institute (2019); Maritime Boundaries Geodatabase; Maritime Boundaries and Exclusive Economic Zones (2008M), version 11. Available online at http://www.marine.gov.au/</small></p>
Monthly sea level (Image 7): Insert map	Seasonal sea level (Image 8): Insert map
<p>Difference from average sea surface height forecast for October 2021</p> <p>Difference from average (mm)</p> <p>Model: ACCESS-S1 Base Period: 1990-2012 Model Run: 27/08/2021 Issued: Map not issued</p> <p><small>© Commonwealth of Australia 2021 Bureau of Meteorology</small></p>	<p>Difference from average sea surface height forecast for October 2021 to December 2021</p> <p>Difference from average (mm)</p> <p>Model: ACCESS-S1 Base Period: 1990-2012 Model Run: 27/08/2021 Issued: Map not issued</p> <p><small>© Commonwealth of Australia 2021 Bureau of Meteorology</small></p>
4-week Coral Bleaching (Image 9): Insert map	
<p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 03 October 2021</p> <p>Alert Level 2 Alert Level 1 Warning Watch No Stress</p> <p><small>©Pacific Community (SPC) 2021 Geoscience Energy and Maritime Division, COSPPa: SPP NOAA Coral Reef Watch</small></p>	

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Summary Statement

Monthly and last three months: August 2021/June to August statement

Monthly (August 2021)

Normal rainfall was recorded at Auki in the central region, Lata in the eastern region and Munda and Taro in the western region. Above normal rainfall was recorded at Henderson, Honiara and Kirakira in the central region. Henderson and Honiara recorded their seventh and fifth wettest August on record respectively.

Three months - June to August 2021

Below normal rainfall was recorded at Auki in the central region and Munda in the western region. Normal rainfall was recorded at Henderson and Honiara in the central region and Taro in the western region. Above normal rainfall was registered at Kirakira in the central region and Lata in the eastern region. Kirakira recorded its fourth wettest June-August period on record.

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2021

Monthly /Seasonal rainfall and temperature Outlook statements

Monthly rainfall Outlook statements

The outlook for October is very likely to be above normal across the country except for the western part of Makira which is likely to be near normal.

Seasonal Rainfall Outlook statements

The seasonal outlook for October to December is very likely to be above normal over the country.

Maximum and minimum Monthly and Seasonal temperature outlooks

The maximum and minimum temperature outlooks for Solomon Islands for October and October to December is very likely to be above normal.

Part 2: Recent Ocean summary statement

Monthly and last three months: August/June to August 2021

Above average SST recorded in the month of August and June to August 2021 across the country. Above normal sea level experienced across the Solomon Islands, with the southern groups experiencing an increase of up to 250mm from normal.

Part 2i. Monthly and Seasonal Outlooks for October and October to December 2021

Ocean Variable statement

The outlook for Solomon Islands shows a significant temperature difference of 0.8 – 1.2 °C for October and October to December.

Most of Solomon Islands EEZ is likely to have sea level anomalies between 100 to 200 mm above average

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

Product	Date: August 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin		<i>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</i>	58	46	12
EAR Watch		<i>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</i>	53	39	14
Monthly Climate Briefing					
Ocean Bulletin		<i>Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Glodridge Mining, Ministry of Mines and Energy, MEHRD</i>	14	9	5
Total			125	94	31

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