

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 189

Country: Nauru

Part 1: Recent climate

TABLE 1: Monthly Rainfall

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2023	Apr-2023	May-2023				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nauru (1893-2023)	18.2	72.0	340.8	259.0	357.7	303.0	66/71

TABLE 2: Three-month Total Rainfall for March to May 2023

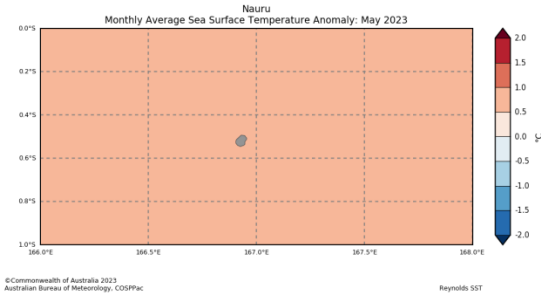
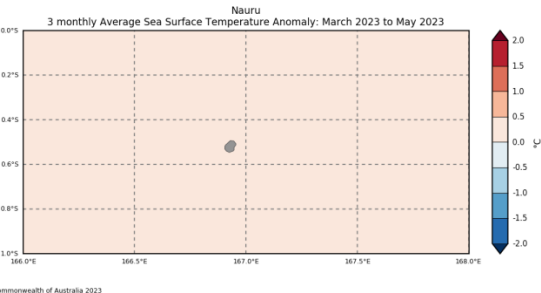
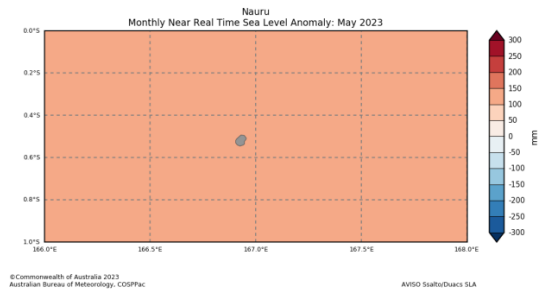
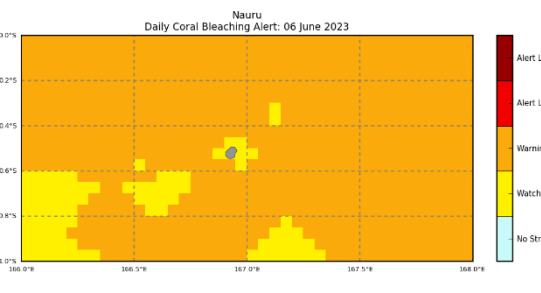
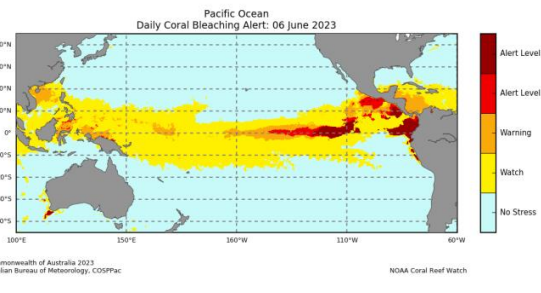
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nauru (1893-2023)	431.0	Normal	679.5	862.4	783.6	37/68

Part 1i. Monthly and Seasonal Outlooks for July and July to September 2023

Monthly: July	Seasonal: July to September
Rainfall (Image 1)	Rainfall (Image 2)
<p>Tercile rainfall probabilities for July 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology 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.maritimerregions.org/</p>	<p>Tercile rainfall probabilities for July to September 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology 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.maritimerregions.org/</p>
Monthly Maximum temperature (Image 3):	Seasonal maximum temperature (Image 4):
<p>Tercile maximum temperature probabilities for July 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology 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.maritimerregions.org/</p>	<p>Tercile maximum temperature probabilities for July to September 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology 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.maritimerregions.org/</p>
Monthly minimum temperature (Image 5):	Seasonal minimum temperature (Image 6):
<p>Tercile minimum temperature probabilities for July 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology 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.maritimerregions.org/</p>	<p>Tercile minimum temperature probabilities for July to September 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology 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.maritimerregions.org/</p>

Part 2: Recent Ocean Observation

Monthly/Three months: May and March to May 2023

Monthly: May	Last three months: March to May 2023:
<p>Sea Surface Temperature (Image 1):</p>  <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>	<p>Sea Surface Temperature (Image 4):</p>  <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>
<p>Sea level (Image 2):</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>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</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 July and July to September 2023

Monthly: July	Seasonal: July to September
<p>Monthly sea surface temperature (Image 5):</p> <p>Difference from average sea surface temperature forecast for July 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapefile data extracted from Fisheries Marine Institute (2019), Maritime Boundaries Geodatabase, Maritime Boundaries and Exclusive Economic Zones (2004M), version 11. Available online at http://www.marine.gov.au</p> <p>Model run: 03/06/2023 Issued: 05/06/2023</p>	<p>Seasonal sea surface temperature (Image 6):</p> <p>Difference from average sea surface temperature forecast for July to September 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapefile data extracted from Fisheries Marine Institute (2019), Maritime Boundaries Geodatabase, Maritime Boundaries and Exclusive Economic Zones (2004M), version 11. Available online at http://www.marine.gov.au</p> <p>Model run: 03/06/2023 Issued: 05/06/2023</p>
<p>Monthly sea level (Image 7):</p> <p>Difference from average sea surface height forecast for July 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapefile data extracted from Fisheries Marine Institute (2019), Maritime Boundaries Geodatabase, Maritime Boundaries and Exclusive Economic Zones (2004M), version 11. Available online at http://www.marine.gov.au</p> <p>Model run: 05/06/2023 Issued: 07/06/2023</p>	<p>Seasonal sea level (Image 8):</p> <p>Difference from average sea surface height forecast for July to September 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapefile data extracted from Fisheries Marine Institute (2019), Maritime Boundaries Geodatabase, Maritime Boundaries and Exclusive Economic Zones (2004M), version 11. Available online at http://www.marine.gov.au</p> <p>Model run: 05/06/2023 Issued: 07/06/2023</p>
<p>4-week Coral Bleaching (Image 9):</p> <p>Nauru 4 Weeks Coral Bleaching Outlook: 02 July 2023</p> <p>Alert Level 2 Alert Level 1 Warning Watch No Stress</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>	<p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 02 July 2023</p> <p>Alert Level 2 Alert Level 1 Warning Watch No Stress</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>

Summary Statement

Monthly and last three months: May 2023/March to May 2023 statement

Nauru's rainfall was normal for May and below normal for March to May.

Part 1i. Monthly and Seasonal Outlooks for July and July to September 2023

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for July and July to September is very likely to be above normal over Nauru.

Maximum and minimum temperatures during July and averaged over July to September are very likely to be above normal over Nauru.

Part 2: Recent Ocean summary statement

Monthly and last three months: May 2023/March to May 2023

May ocean temperatures around Nauru were upmost 1.0°C above normal.

Averaged over March to May, ocean temperatures around Nauru were 0.0 to 0.5°C near normal.

May sea levels around May were 100mm to 150mm above normal.

Coral bleaching alert is at 'Warning' for most of Nauru waters.

Part 2i. Monthly and Seasonal Outlooks for July and July to September 2023

Ocean Variable statement

July ocean temperatures around Nauru are predicted to be 0.4 to 0.8°C near normal.

Averaged over July to September, ocean temperatures around Nauru are predicted to be 0.8 to 1.2°C above normal.

July sea levels around Nauru are predicted to be -30mm to 30mm near-normal.

Averaged over July to September, sea levels around Nauru are predicted to be -30mm to 30mm near-normal.

Coral bleaching outlook is at 'Warning' for Nauru waters.

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

Product	Date: May 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate Bulletin						
EAR Watch						
Monthly Climate Briefing						
Ocean Outlook						
Climate data request						
Total						