Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 195

Country: Cook Islands

Part 1: Recent climate

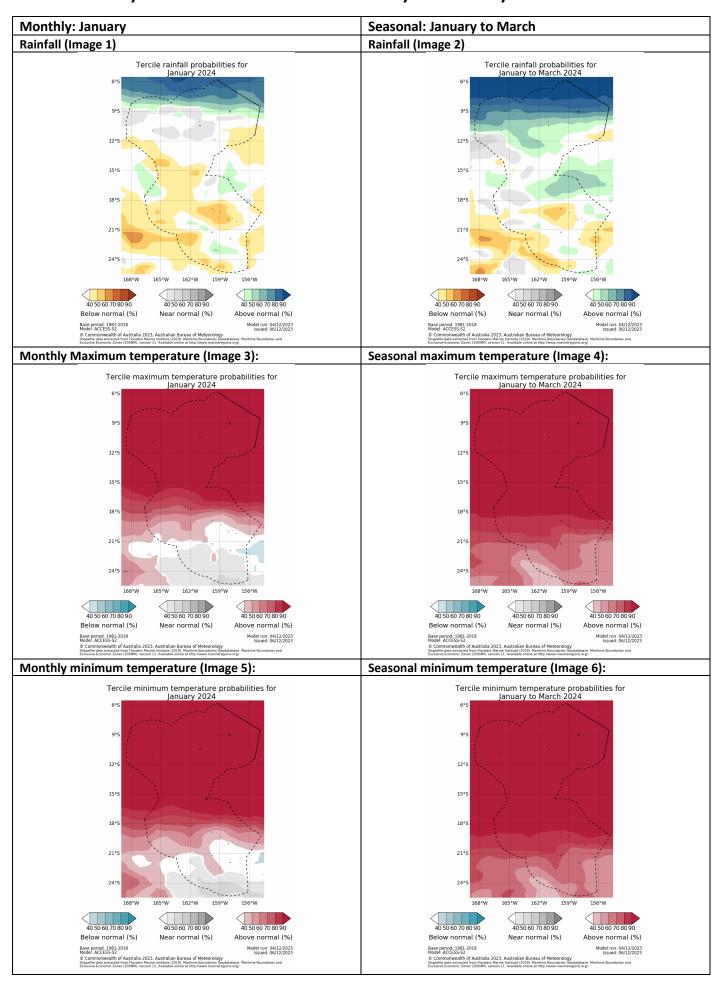
TABLE 1: Monthly Rainfall

	Sep- 2023	Oct-2023	Nov-2023				
Station (include data period)			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				, Nalik
Penrhyn (1937-2023)	74.2	107.2	289.4	94.0	188.0	145.9	73/86
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Rarotonga (1899-2023)	104.5	93.2	11.3	90.0	155.0	121.0	3/125

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

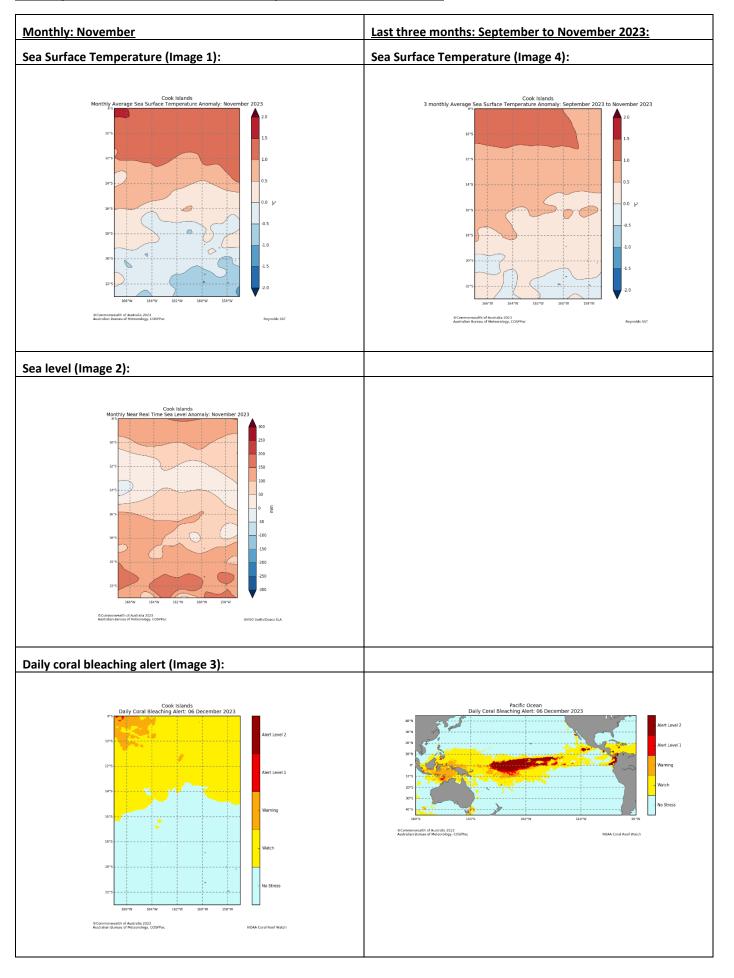
Station	Three-month Total		33%tile	67%tile	Median	Rank
		Rainfall (mm)				
Penrhyn (1937-2023)	470.8	Normal	299.3	480.0	365.0	55/84
Rarotonga (1899-2023)	209.0	Below normal	278.4	399.0	347.0	20/125

Part 1i. Monthly and Seasonal Outlooks for January and January to March 2024

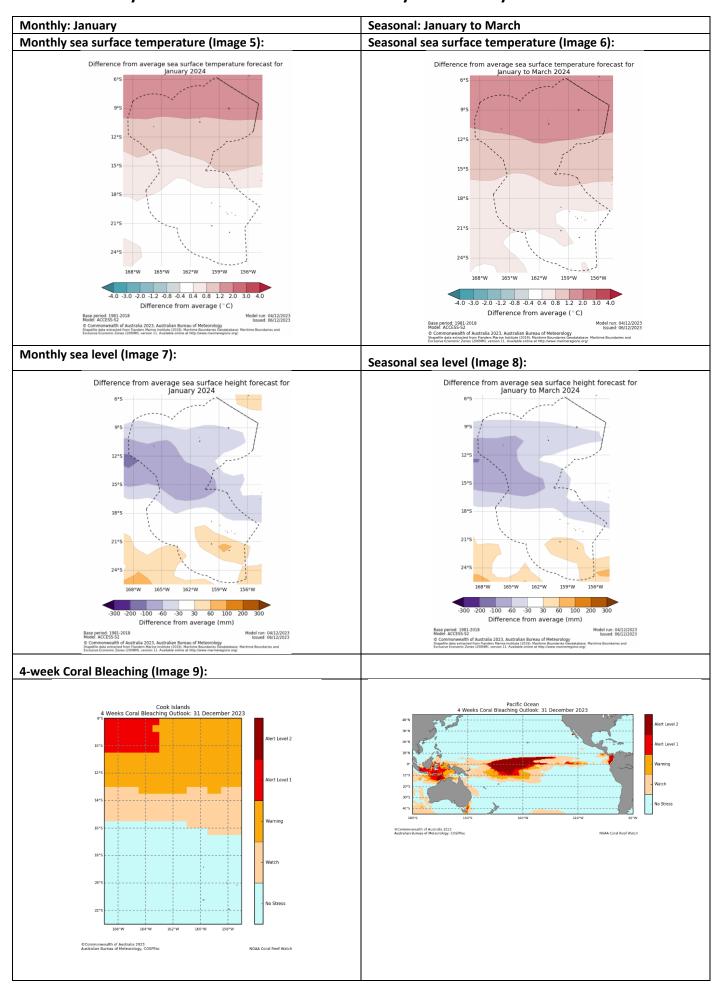


Part 2: Recent Ocean Observation

Monthly/Three months: November and September to November 2023



Part 2i. Monthly and Seasonal Outlooks for January and January to March 2024



Summary Statement

Monthly and last three months: November 2023/September to November 2023 statement

The rainfall for November was above normal over Penrhyn and below normal at Rarotonga, which had its third driest November in 125 years of record. For the past three months, rainfall was near-normal over Penrhyn and below normal for Rarotonga.

Part 1i. Monthly and Seasonal Outlooks for January and January to March 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for January 2024 is likely to be above normal over Penrhyn, but there is little guidance for the rest of the Northern Cooks. In the south, the outlook offers little guidance for Rarotonga and Mangaia, but below normal is likely for the rest of the Southern Cooks. Above normal rainfall is favoured for Penrhyn and the Northern Cooks for January – March 2024, but there is little guidance for Rarotonga and most Southern Cook Islands.

Maximum and minimum temperatures during January 2024 are very likely to be above normal over the northern Cook Is, and likely to be above normal at Palmerston in the south. At most remaining southern islands, the outlook offers little guidance for January temperatures.

Maximum and minimum temperatures averaged over January to March 2024 are very likely to be above normal across the country.

Part 2: Recent Ocean summary statement

Monthly and last three months: November 2023/September to November 2023

November ocean temperatures around Penrhyn and the Northern Cooks was 0.0 to 1.5°C above normal, and near normal for Rarotonga and the Southern Cooks. Averaged September to November ocean temperatures around the Cooks were 0.0 to 1.5°C above normal

November sea levels around the Cooks were 0.0mm to 150.0mm above normal.

Coral bleaching alert status at 'Watch' for Penrhyn and parts of Northern Cook Islands.

Part 2i. Monthly and Seasonal Outlooks for January and January to March 2024

Ocean Variable statement

January ocean temperatures around Penrhyn are predicted to be 1.2 to 2.0°C above normal, and near normal for Rarotonga.

Averaged over January to March 2024, ocean temperatures around Penrhyn are predicted to be 1.2 to 2.0°C above normal, and 0.4 to 0.8°C above normal for Rarotonga.

Monthly and seasonal sea levels around Penrhyn are predicted to be near normal and 30mm to 60mm above normal for Rarotonga.

Coral bleaching outlook predicted at 'Warning' for the Northern Cook Islands.

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

Product	Date: November 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate Bulletin						
EAR Watch		Red Cross, Island Council and Executive Officers, To Tatou Vai, etc	39	?	?	
Monthly Climate Briefing		Climate Change	8	?	?	
Ocean Outlook						
Climate data request		Ministry of Marine Resources	1		1	
Total			48		1	