Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 196

Country: Cook Islands

Part 1: Recent climate

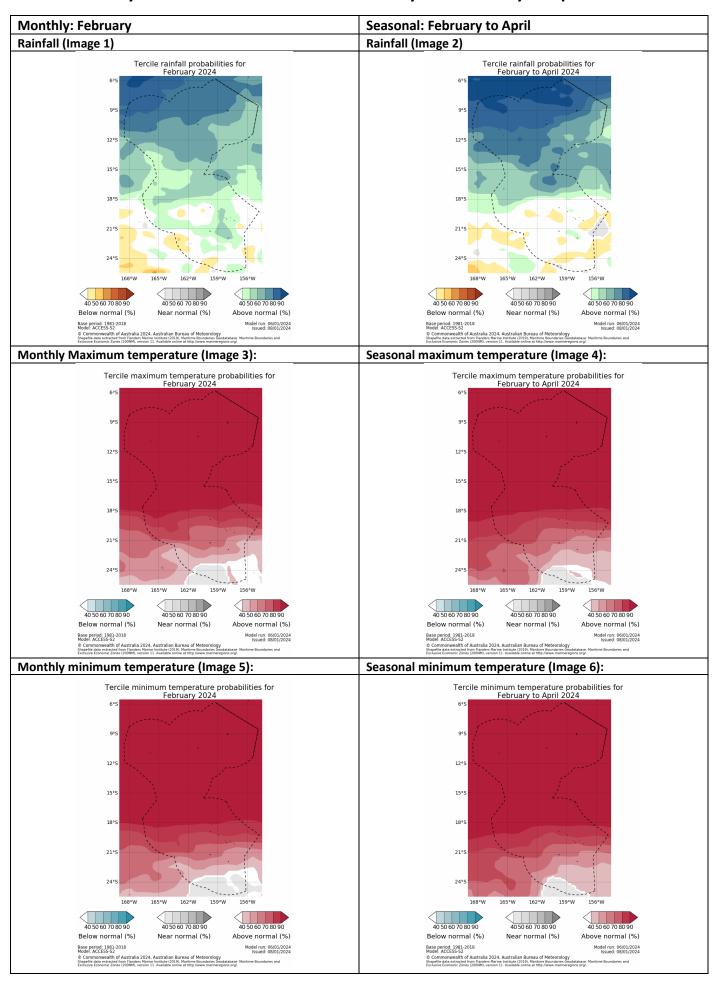
TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2023	Nov- 2023	Dec-2023				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Penrhyn (1937-2024)	107.2	289.4	73.2	107.0	244.8	182.0	22/86
Rarotonga (1899-2024)	93.2	11.3	49.9	135.0	257.0	213.0	12/125

TABLE 2: Three-month Total Rainfall for October to December 2023

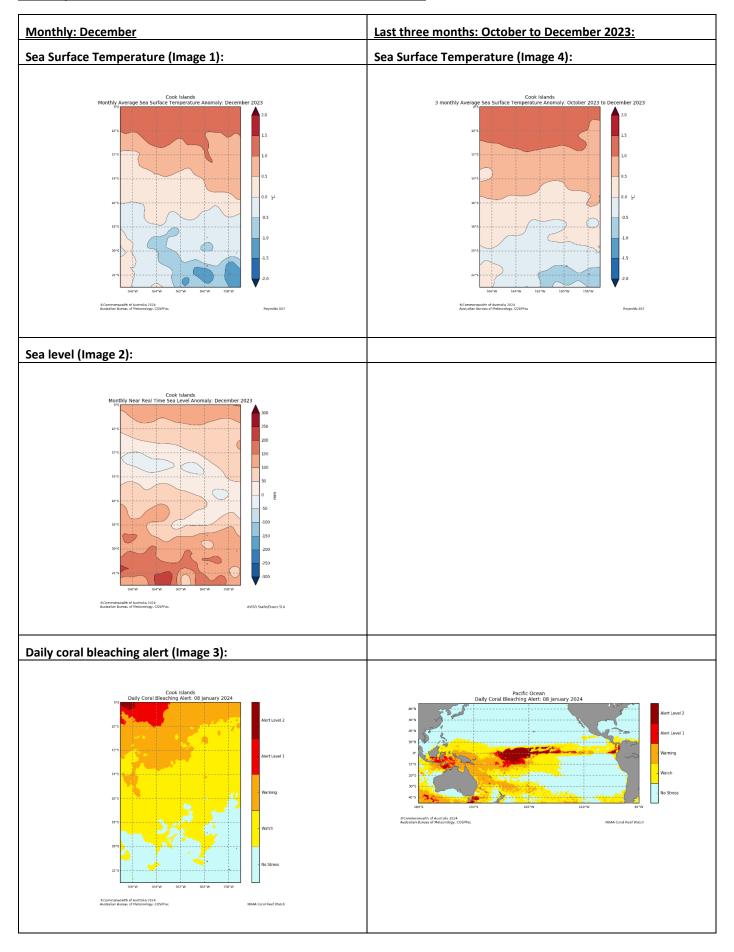
Station	Three-month Total		ree-month Total 33%tile 67%tile		Median	Rank	
Penrhyn (1937-2024)	469.8	Normal	355.4	627.0	480.5	43/85	
Rarotonga (1899-2024)	154.4	Below normal	358.0	524.0	469.0	2/125	

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2024

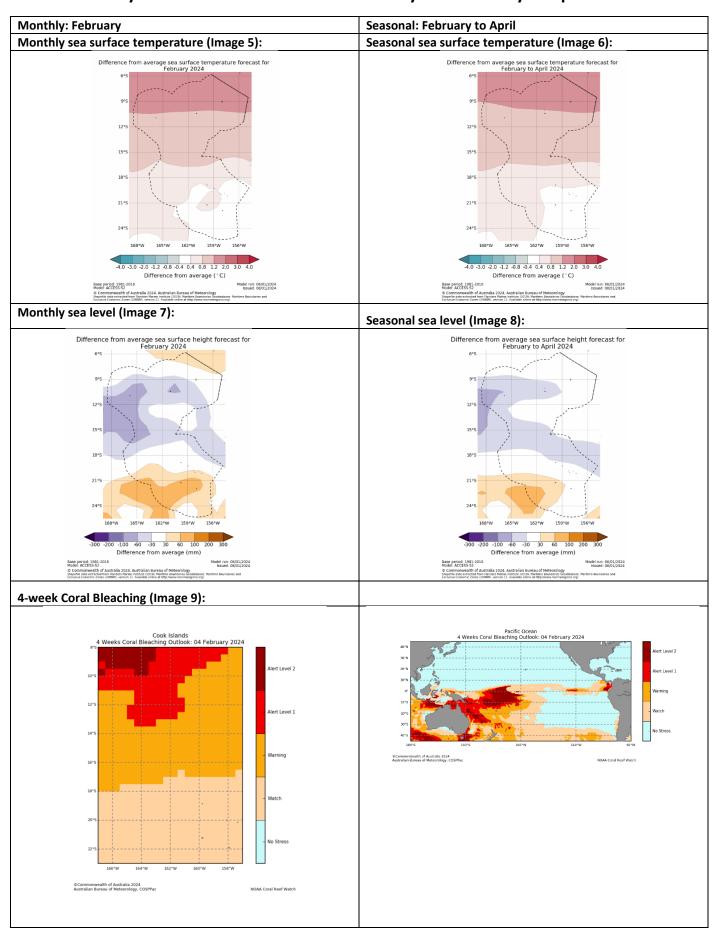


Part 2: Recent Ocean Observation

Monthly/Three months: December and October to December 2023



Part 2i. Monthly and Seasonal Outlooks for February and February to April 2024



Summary Statement

Monthly and last three months: December 2023/October to December 2023 statement

The rainfall for December was below normal over both Penrhyn and Rarotonga. For October – December 2023, rainfall was normal over Penrhyn and below normal for Rarotonga. This was the second driest October – December period for Rarotonga.

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for February 2024 is likely or very likely to be above normal over the northern and central Cook Islands, and most of the main islands in the south, except for Aitutkai where there is little guidance.

The rainfall for February to April 2024 is likely or very likely to be above normal over the northern and central Cooks, including Penrhyn, but the outlook offers little guidance in the south, incuding Rarotonga.

Maximum and minimum temperatures during February 2024 and averaged over February to April 2024, are very likely to be above normal for all but the far south of the Cook Islands.

Part 2: Recent Ocean summary statement

Monthly and last three months: December 2023/October to December 2023

December and averaged October to December ocean temperatures around Penrhyn and the Northern Cooks was upmost 1.5°C above normal, and till 1.0 below normal for Rarotonga and the Southern Cooks.

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

Coral bleaching alert at 'Warning' for Penrhyn and most Northern Cook Islands.

Part 2i. Monthly and Seasonal Outlooks for February and February to April 2024

Ocean Variable statement

February 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.

Averaged over February to April 2024, ocean temperatures around Penrhyn are predicted to be 1.2 to 2.0°C above normal, and near normal for Rarotonga.

Monthly and 3 monthly sea levels around Penrhyn predict near normal sea levels and 30mm to 60mm above normal for Rarotonga.

Coral bleaching outlook at Alert 1 and Warning for the Northern Cook Islands and Watch for the Southern Cook Islands.

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

Product	Date: December 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	