Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 203

Country: Cook Islands

Part 1: Recent climate

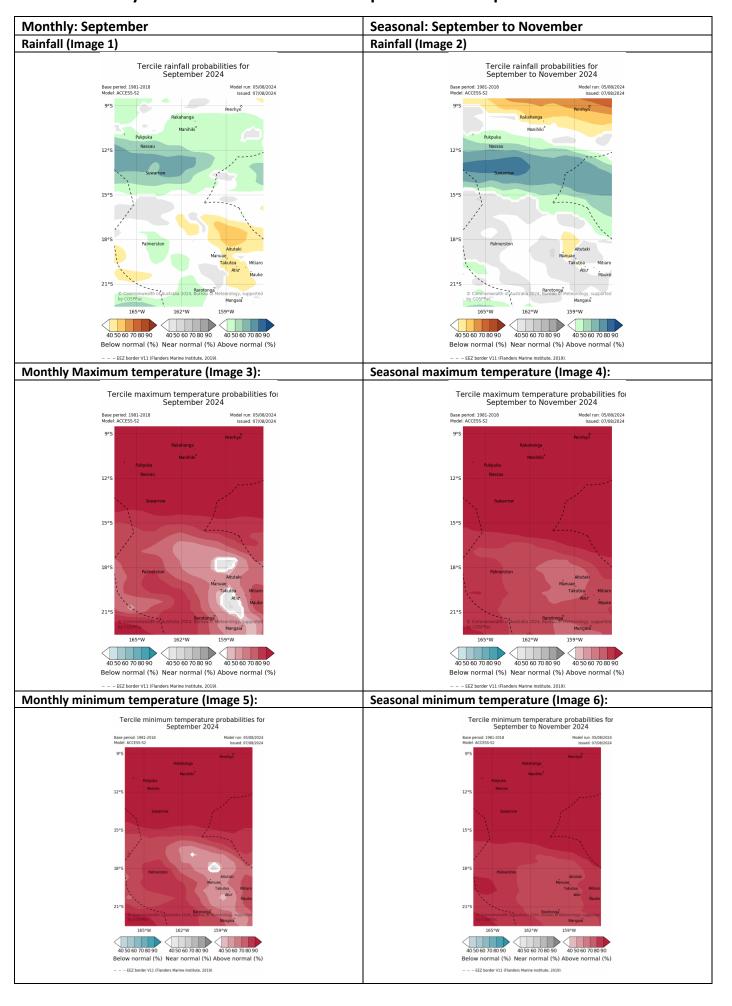
TABLE 1: Monthly Rainfall

Station (include data period)	May- 2024	Jun-2024	Jul-2024					
			Total (mm)	33%tile	67%tile	Median	Rank	
	Total (mm)	Total (mm)		Naiik				
Penrhyn (1937-2024)	134.4	144.2	91.0	72.2	135.1	108.0	36/88	
Rarotonga (1899-2024)	80.6	82.0	58.4	58.0	109.0	88.5	46/126	

TABLE 2: Three-month Total Rainfall for May to July 2024

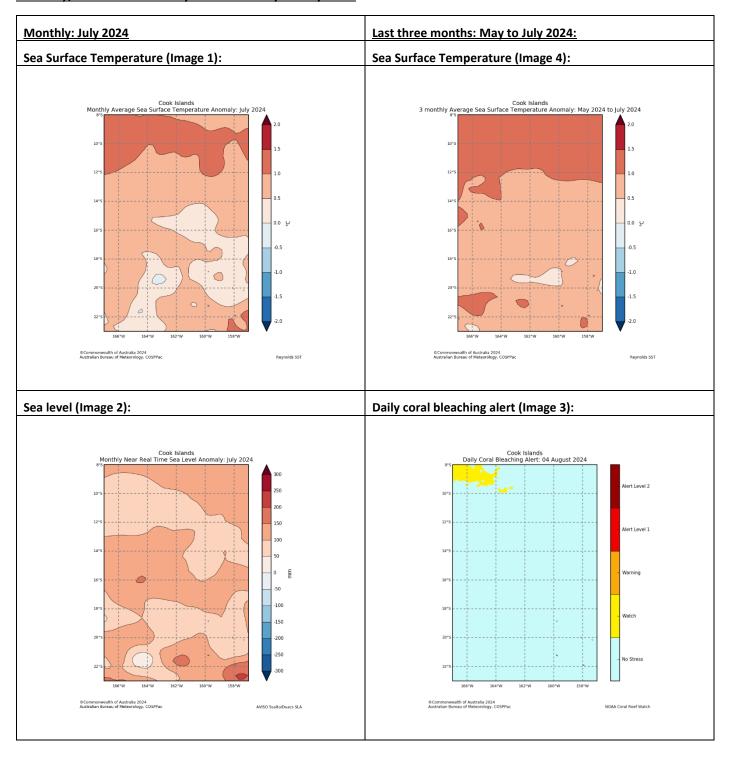
Station	Three-month Total		33%tile	67%tile	Median	Rank	
Penrhyn (1937-2024)	369.6	Normal	282.3	474.0	349.8	48/85	
Rarotonga (1899-2024)	221.0	Below normal	305.6	390.3	341.0	13/126	

Part 1i. Monthly and Seasonal Outlooks for September and September to November 2024

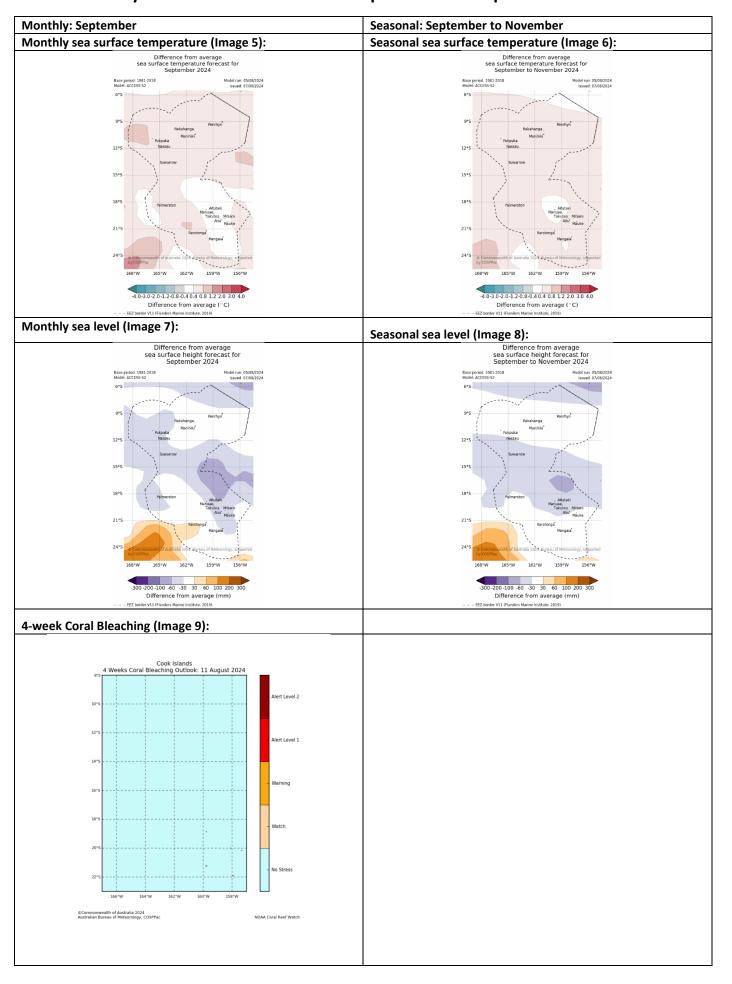


Part 2: Recent Ocean Observation

Monthly/Three months: July 2024 and May to July 2024



Part 2i. Monthly and Seasonal Outlooks for September and September to November 2024



Summary Statement

Monthly and last three months: July 2024/May to July 2024 statement

The rainfall for July was near normal over both Penrhyn and Rarotonga stations. Meanwhile, rainfall over the past three months of May to July was near normal over Penrhyn and below normal over Rarotonga.

Part 1i. Monthly and Seasonal Outlooks for September and September to November 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for September offers little guidance over Penrhyn, and Rarotonga station.

The rainfall for September to November shows below normal is most likely for Penrhyn and little guidance for Rarotonga.

Maximum and minimum temperatures during September and averaged over September to November are very likely to be above normal for all of the Cook Islands.

Part 2: Recent Ocean summary statement

Monthly and last three months: July 2024/May to July 2024

July and May to July Ocean temperatures around Penrhyn were 1.0 to 1.5°C above normal and 0.5 to 1.0°C above normal for Rarotonga.

July sea levels around both Penrhyn and Rarotonga were 100mm to 150mm above normal.

'No Stress' coral bleaching for the Cooks.

Part 2i. Monthly and Seasonal Outlooks for September and September to November 2024

Ocean Variable statement

September and averaged over September to November ocean temperatures around both Penrhyn and Rarotonga is predicted to be around 0.4 to 0.8°C above normal.

September and averaged over September to November sea levels around both Penrhyn and Rarotonga are predicted to be -30mm to 30mm normal.

IN BRIEF for Teleconference

- Rainfall: near normal for both Penrhyn and Rarotonga.
- The rainfall outlook generally offers little guidance for next month.
- SSTs were above normal for July and May to July. The outlook shows continued warming SST.
- Sea-surface heights (SSH) showing above normal.
- Coral bleaching levels for Cooks, suggest 'No Stress'.

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

Product	Date: July 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Disability	Age group	Comments (If there are comments from you Stakeholders)
Climate Bulletin								
EAR Watch		Red Cross, Island Council and Executive Officers, To Tatou Vai, etc	43	?	?			
Monthly Climate Briefing		Climate Change	10	?	?			
Ocean Outlook								
Climate data request		Ministry of Marine Resources, Local Newspaper	2		2			
	Total		55	?	?	?	?	