# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 205

**Country: Cook Islands** 

**Part 1: Recent climate** 

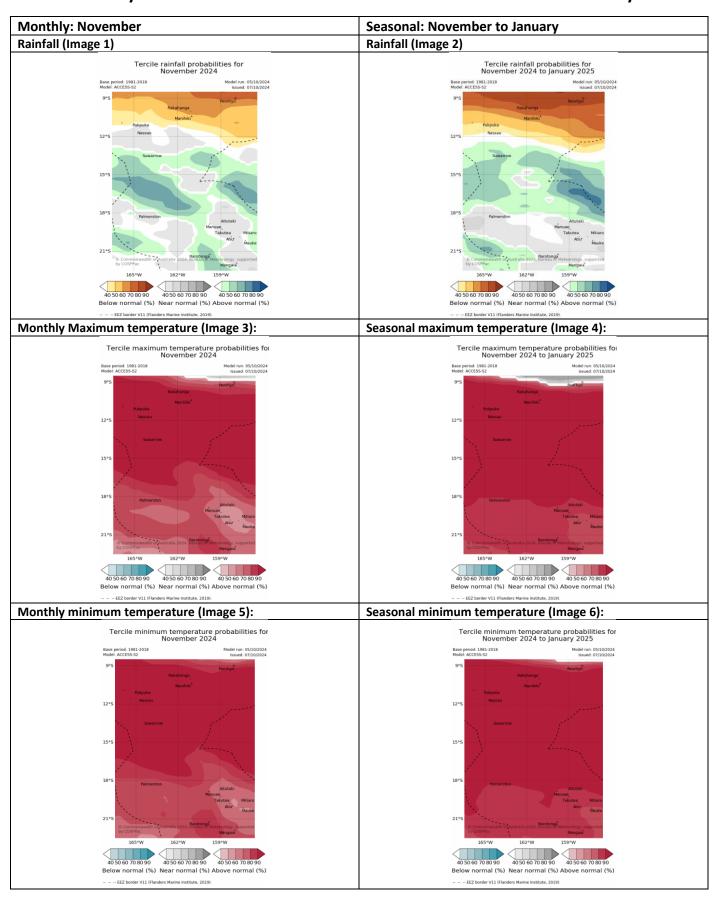
**TABLE 1: Monthly Rainfall** 

Station (include data period)	Jul-2024	Aug- 2024	Sep-2024					
			Total (mm)	33%tile	67%tile	Median	Rank	
	Total (mm)	Total (mm)		Nank				
Penrhyn (1937-2024)	91.0	225.0	113.2	74.0	126.0	111.0	47/86	
Rarotonga (1899-2024)	58.4	49.4	175.6	69.8	114.0	89.0	105/126	

**TABLE 2: Three-month Total Rainfall for July to September 2025** 

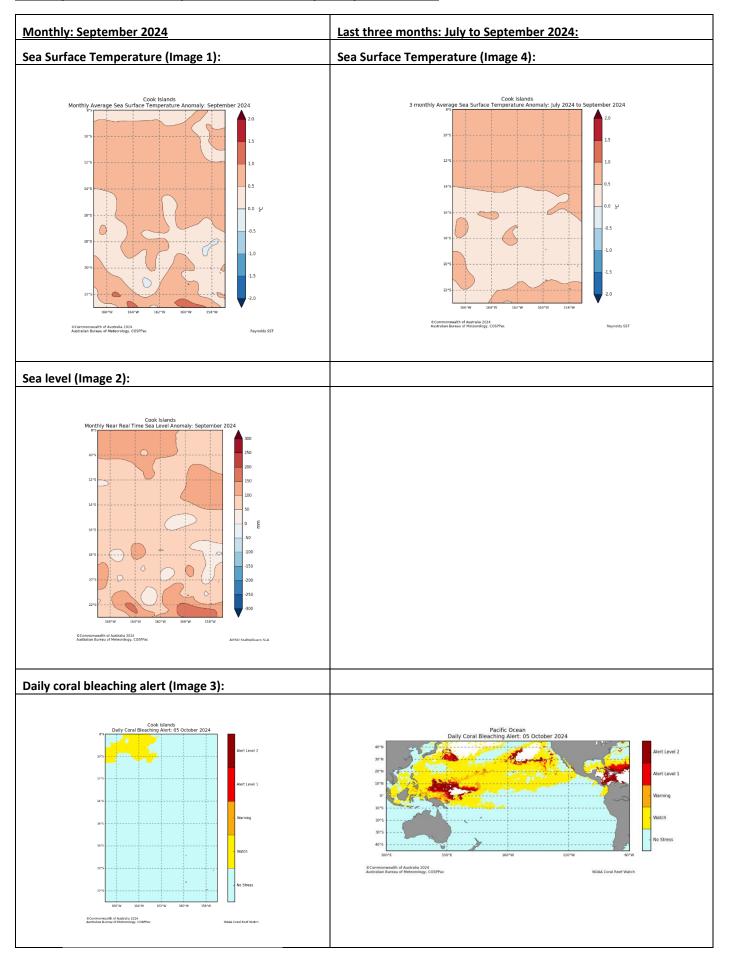
Station	Three-n	nonth Total	33%tile	67%tile	Median	Rank	
	Rainfall (mm)						
Penrhyn (1937-2024)	429.2	Normal	281.2	433.0	337.0	56/86	
Rarotonga (1899-2024)	283.4	Normal	252.3	350.0	296.0	53/126	

## Part 1i. Monthly and Seasonal Outlooks for November and November to January 2025

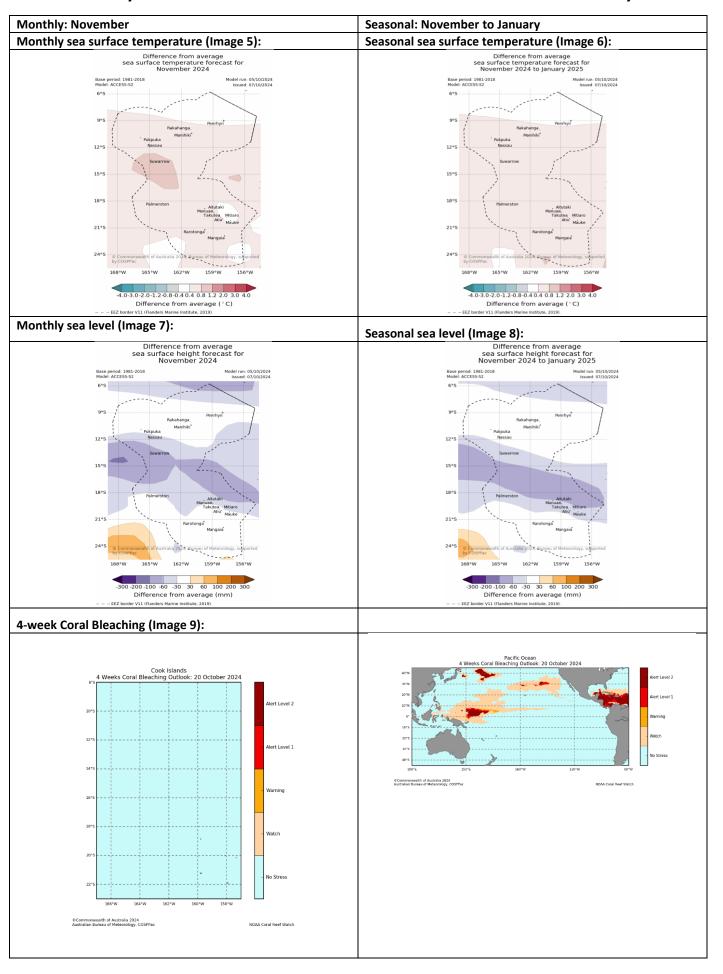


## **Part 2: Recent Ocean Observation**

## Monthly/Three months: September 2024 and July to September 2024



## Part 2i. Monthly and Seasonal Outlooks for November and November to January 2025



## **Summary Statement**

#### Monthly and last three months: September 2024/July to September 2024 statement

The rainfall for September was normal over Penrhyn and above normal for Rarotonga station. Meanwhile, rainfall over the past three months of July to September was normal over both Penrhyn and Rarotonga.

### Part 1i. Monthly and Seasonal Outlooks for November and November to January 2025

#### Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for November favours below normal very likely over Penrhyn, and shows above normal as most likely over Rarotonga station.

The rainfall for November 2024 to January 2025 for Penrhyn shows continued trend of below normal is very likely and to expect near normal rainfalls for Rarotonga.

Maximum and minimum temperatures during November and averaged over November 2024 to January 2025 are very likely to be above normal for all of the Cook Islands.

### Part 2: Recent Ocean summary statement

#### Monthly and last three months: September 2024/July to September 2024

September and averaged over July to September, ocean temperatures around Cook Islands were utmost 1.0°C above normal.

September sea levels around both Penrhyn and Rarotonga were 50mm to 100mm above normal.

'No Stress' coral bleaching for the Cooks.

## Part 2i. Monthly and Seasonal Outlooks for November and November to January 2025

#### **Ocean Variable statement**

November and averaged over November 2024 to January 2025 ocean temperatures around Penrhyn is expected to be near normal at -0.4 to 0.4°C and Rarotonga is predicted to be around 0.4 to 0.8°C above normal.

November and averaged over November 2024 to January 2025 sea levels around both Penrhyn and Rarotonga is predicted to be near normal at -30mm to 30mm.

#### **IN BRIEF for Teleconference**

- Rainfall: Normal rainfall was observed for Penrhyn while normal to above normal for Rarotonga.
- The rainfall outlook shows below normal rainfall very likely for Penrhyn and normal to above normal for Rarotonga next 1-3 month
- SSTs were above normal for September and averaged over July to September. The outlook shows near normal to above normal SSTs for the next one and three months.
- Sea-surface heights (SSHs) were showing near normal for September The outlook shows near normal to above normal SSHs for the next one and three months.
- Coral bleaching levels for Cooks, suggest 'No Stress'

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

Product	Date: September 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								Soon to be finalized
EAR Watch		Red Cross, Island Council and Executive Officers, To Tatou Vai, etc	58	?	?	?	?	
Monthly Climate Briefing		Climate Change	10	4	6	?	?	
Ocean Outlook								Soon to be finalized
Climate data request		Ministry of Marine Resources, Local Newspaper, To Tatou Vai	5	2	3	?	?	
	Total			?	?	?	?	