Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 204

Country: Cook Islands

Part 1: Recent climate

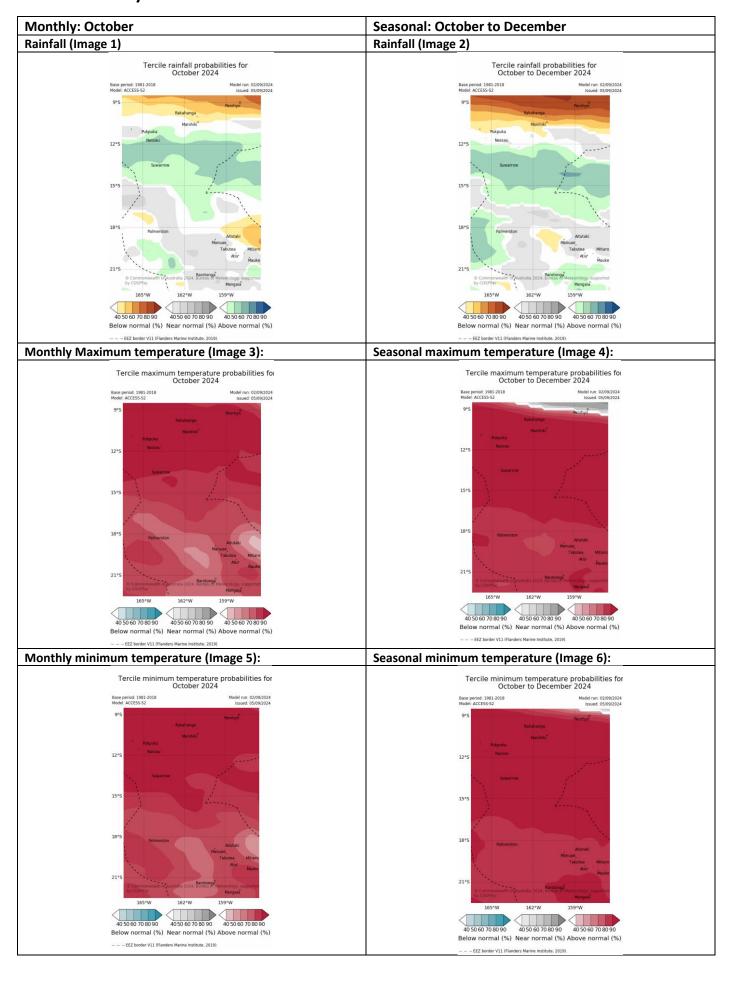
TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2024	Jul-2024	Aug-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)		Nalik			
Penrhyn (1937-2024)	144.2	91.0	225.0	78.3	137.7	106.7	69/87
Rarotonga (1899-2024)	82.0	58.4	49.4	75.7	124.0	101.6	26/126

TABLE 2: Three-month Total Rainfall for June to August 2024

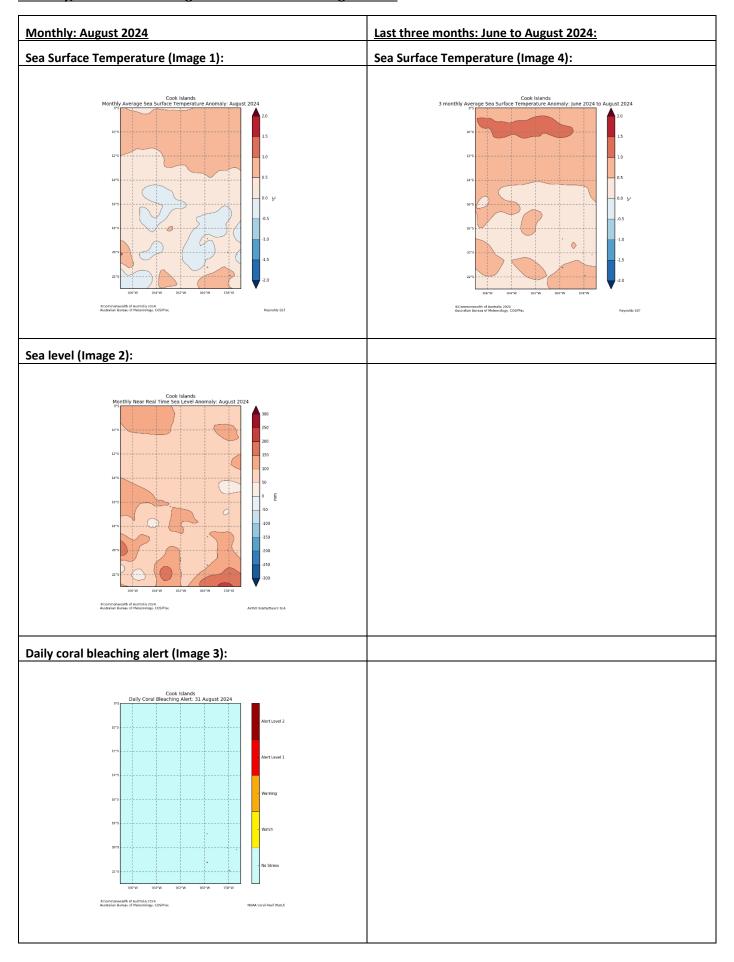
Station	Three-month Total		33%tile	67%tile	Median	Rank	
Penrhyn (1937-2024)	460.2	Normal	257.0	497.8	347.6	55/86	
Rarotonga (1899-2024)	189.8	Below normal	250.7	364.9	315.9	16/126	

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2024

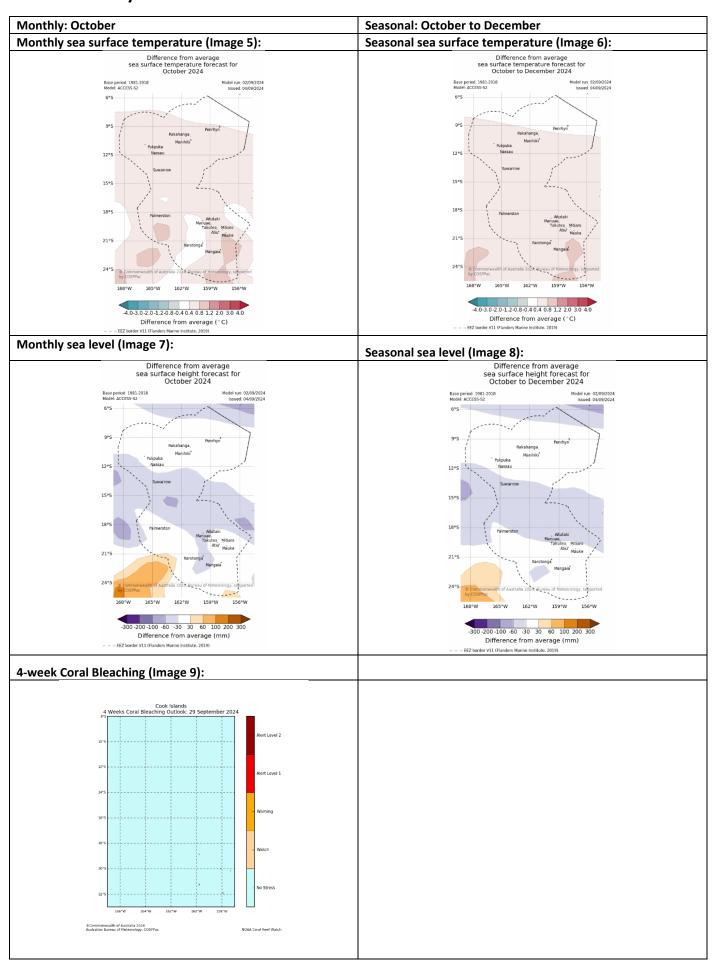


Part 2: Recent Ocean Observation

Monthly/Three months: August 2024 and June to August 2024



Part 2i. Monthly and Seasonal Outlooks for October and October to December 2024



Summary Statement

Monthly and last three months: August 2024/June to August 2024 statement

The rainfall for August was above normal over Penrhyn and below normal at Rarotonga. Meanwhile, rainfall over the past three months of June to August was near-normal over Penrhyn and below normal over Rarotonga.

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2024

Monthly /Seasonal rainfall and temperature Outlook statements

October rainfall is likely or very likely to be below normal in the north, including Penrhyn, and near-normal in much of the south, including Rarotonga. Above normal October rainfall is likely in the central Cook Islands.

The outlook for October to December is similar, although Rarotonga is included in a small region where above normal rainfall is likely.

Maximum and minimum temperatures during October and averaged over October to December are very likely to be above normal across the Cook Islands.

Part 2: Recent Ocean summary statement

Monthly and last three months: August 2024/June to August 2024

August and June to August Ocean temperatures were 0.5 to 1.0°C above normal around Penrhyn and 0.0 to 0.5°C near normal for Rarotonga, respectively.

August 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 October and October to December 2024

Ocean Variable statement

October ocean temperatures were 0.4 to 0.8°C above normal and -0.4 to 0.4°C near normal around Penrhyn and Rarotonga, respectively. Averaged over October to December, ocean temperatures were -0.4 to 0.4°C near normal and 0.4 to 0.8°C above normal around Penrhyn and Rarotonga, respectively. October and averaged over October to December sea levels around both Penrhyn and Rarotonga are predicted to be -30mm to 30mm near-normal.

IN BRIEF for Teleconference

- Rainfall: Penrhyn above normal in August and near-normal for June to August. Rarotonga below normal for August and June to August.
- October to December rainfall is very likely to be below normal at Penrhyn, but it is likely to be above normal at Rarotonga.
- SSTs were near normal to above normal for August and June to August. The outlook shows continued nearnormal to above normal SSTs.
- Sea-surface heights (SSHs) were above normal in August. The outlook for the one and next three months shows near normal SSHs
- Coral bleaching levels for Cooks, suggest 'No Stress'

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

Product	Date: August 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	4	6	?	?	
Ocean Outlook								
Climate data request		Ministry of Marine Resources, Local Newspaper, To Tatou Vai	5	2	3	?	?	
	Total		58	6	9	?	?	