Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 202

Country: Cook Islands

Part 1: Recent climate

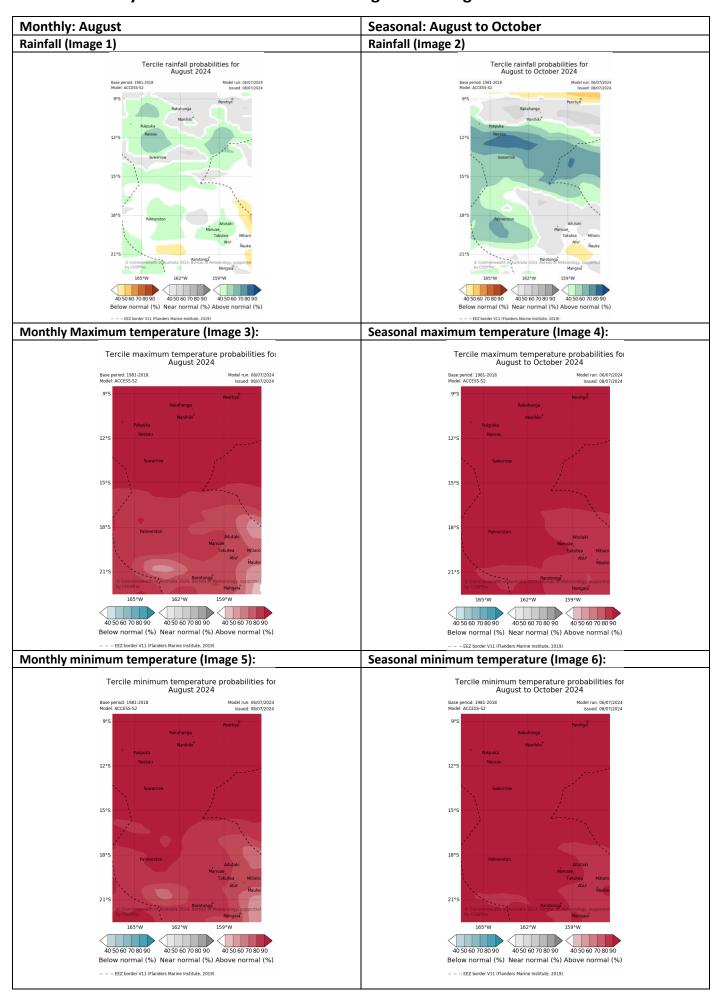
TABLE 1: Monthly Rainfall

	Apr- 2024	May- 2024	Jun-2024				
Station (include data period)			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Total Rainfall (mm)			Nalik	
Penrhyn (1937-2024)	224.0	134.4	144.2	97.0	167.8	128.0	52/86
Rarotonga (1899-2024)	220.3	80.6	82.0	63.0	114.0	88.6	53/126

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

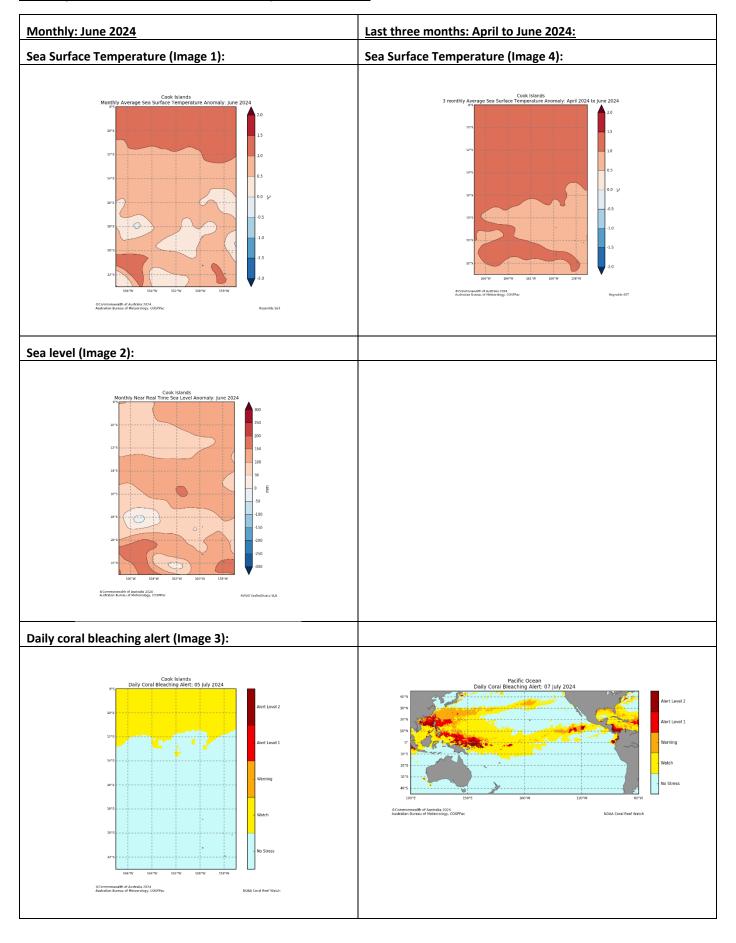
Station	Three-month Total		33%tile	67%tile	Median	Rank	
		Rai	infall (mm)				
Penrhyn (1937-2024)	502.6	Normal	313.5	529.3	394.4	54/84	
Rarotonga (1899-2024)	382.9	Below normal	390.4	482.0	426.5	45/126	

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

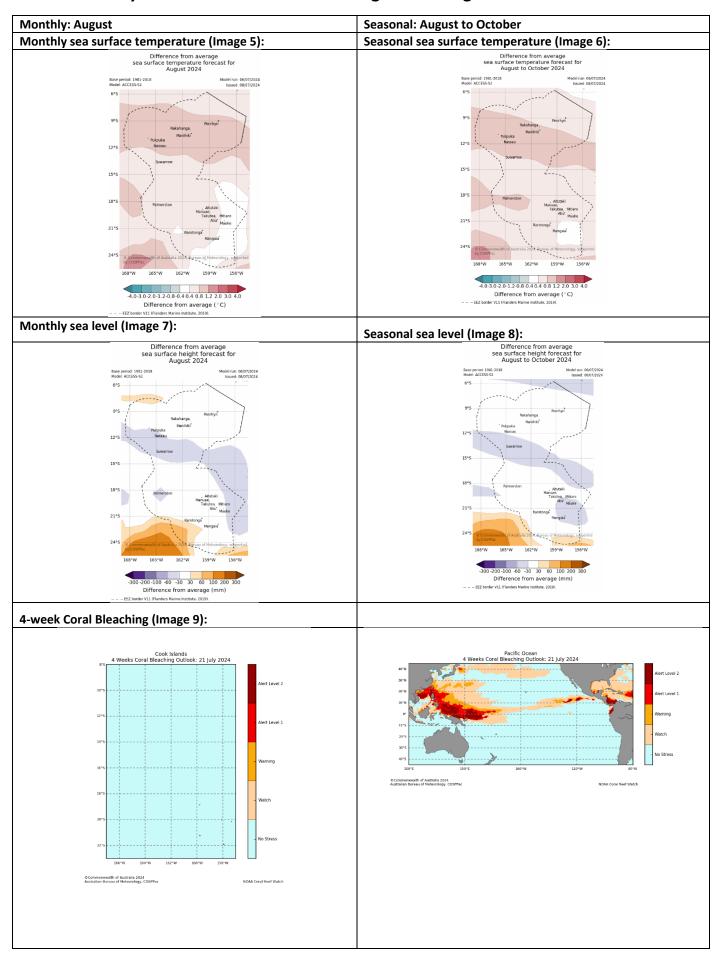


Part 2: Recent Ocean Observation

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



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



Summary Statement

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

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

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

Monthly /Seasonal rainfall and temperature Outlook statements

August rainfall is likely to be above normal over central to northern Cook Islands, and in a few patches of the south. Near-normal rainfall is likely in the far north, including Penrhyn, while the outlook offers little guidance for Rarotonga.

The rainfall for August to October is likely to be above normal in the lower north and central Cook Islands, as well as in the southwest. Near-normal rainfall is likely in the southeast and in the upper northern Cooks, except in the far northeast, including Penrhyn, where below normal rainfall is likely. Once again there is little guidance for Rarotonga.

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

Part 2: Recent Ocean summary statement

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

June and April to June Ocean temperatures around Penrhyn and Rarotonga were 0.5 to 1.5°C above normal.

June sea levels around both Penrhyn and Rarotonga were 50mm to 150mm above normal.

There is a coral bleaching 'Watch' for Penrhyn.

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

Ocean Variable statement

August ocean temperatures around Penrhyn is predicted to be 0.8 to 1.2°C above normal, and 0.4 to 0.8°C above normal around Rarotonga.

Averaged over August to October, ocean temperatures around both Penrhyn and Rarotonga is predicted to be 0.4 to 0.8°C above normal.

August and averaged August to October, sea levels around both Penrhyn and Rarotonga are predicted to be -30mm to 30mm near-normal.

IN BRIEF for Teleconference

- Rainfall in June and over April to June was mainly near-normal.
- Above normal rainfall is likely for the central to lower northern Cook Islands in August and August to October.
- SSTs were above normal for June and April to June. The outlook shows continued above-normal SSTs.

- Sea-surface heights (SSHs) showed above normal for June and April to June period. SSHs are predicted to be near-normal for the next one and three months.
- 'Watch' level coral bleaching for Penrhyn, outlook suggests 'No Stress'.

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

Product	Date: June 2024	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	43	?	?	
Monthly Climate Briefing		Climate Change	8	?	?	
Ocean Outlook						
Climate data request		Ministry of Marine Resources, Local Newspaper	2		2	
		Total	53	?	?	