Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 200

Country: PNG

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2024	Mar-2024	Apr-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Momase Region							
Madang (1944-2024)				317.7	450.4	396.0	
Nadzab (1973-2024)				87.6	136.0	103.8	
Wewak (1956-2024)	188.8	145.8	216.0	159.1	233.9	186.4	40/66
Vanimo (1918-2024)	70.0	344.4	180.6	187.9	276.6	229.0	22/69
Highlands Region							
Goroka (1948-2024)		380.2	140.6	163.6	215.0	193.0	14/60
New Guinea Islands Region							
Momote (1949-2024)				229.5	292.7	265.5	
Kavieng (1916-2024)	387.2	561.8		268.7	326.0	295.9	
Southern Region							
Misima (1917-2024)				207.3	315.9	244.8	
Port Moresby (1875-2024)	247.8	289.1	80.5	83.6	141.0	106.0	46/132

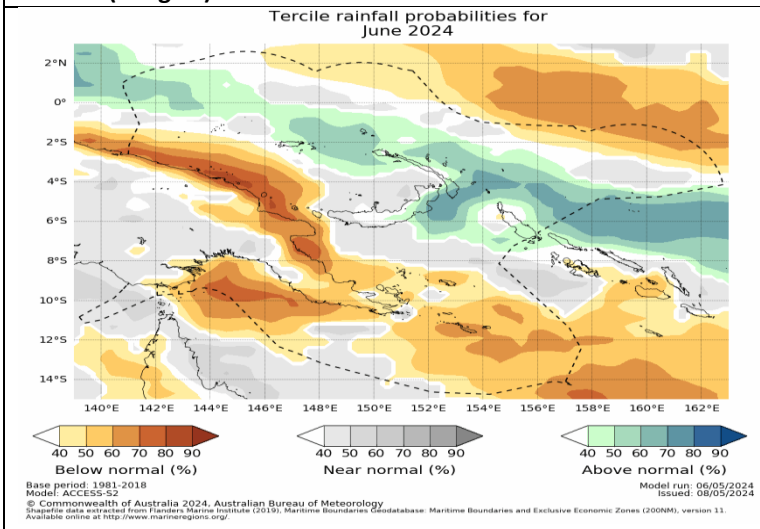
TABLE 2: Three-month Total Rainfall for February to April 2024

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Momase Region						
Madang (1944-2024)			945.2	1149.4	1046.4	
Nadzab (1973-2024)			381.6	493.9	454.0	
Wewak (1894-2024)	550.6	Above normal	431.6	519.8	475.9	47/65
Vanimo (1918-20243)	595.0	Below normal	736.6	911.8	835.6	10/67
Highlands Region						
Goroka (1948-2024)			612.0	746.2	673.4	
New Guinea Islands Region						
Momote (1949-2024)			748.9	901.7	797.9	
Kavieng (1917-2024)			823.4	958.1	893.6	
Southern Region						
Misima (1917-2024)			709.9	940.9	827.2	
Port Moresby (1875-2024)	617.4	Above normal	467.6	587.8	535.6	100/131

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

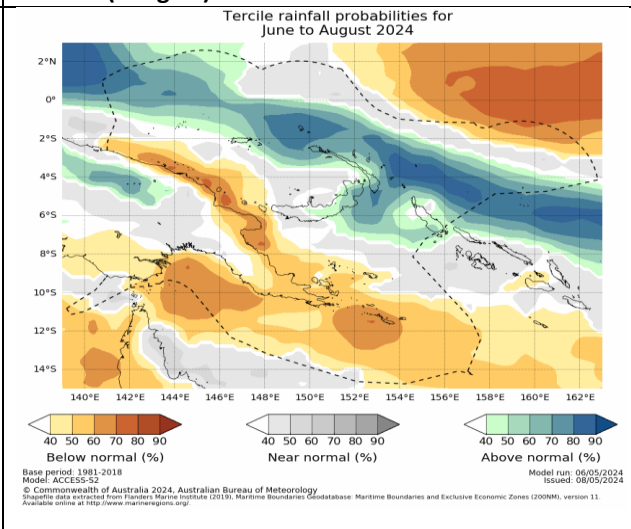
Monthly: June

Rainfall (Image 1)

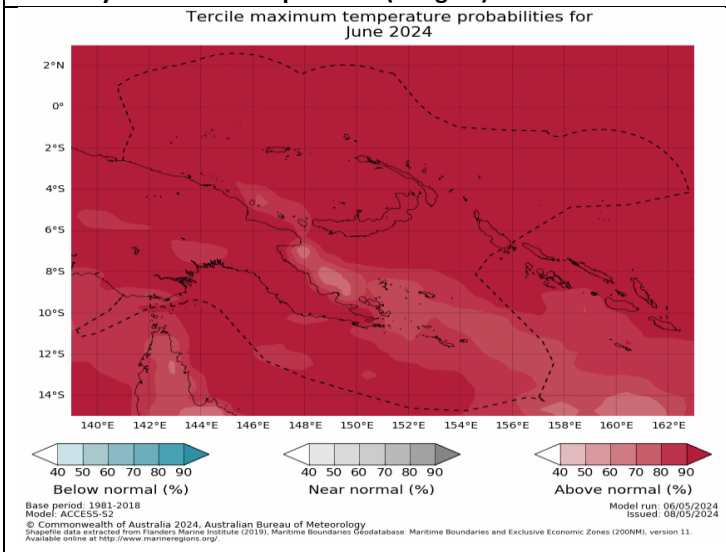


Seasonal: June to August

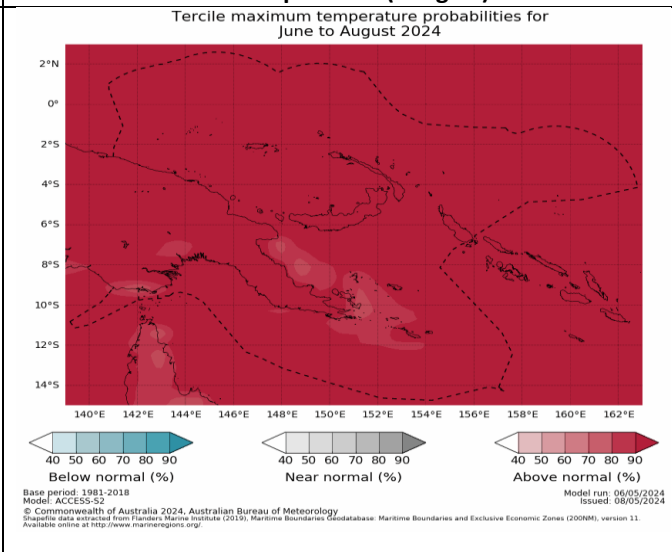
Rainfall (Image 2)



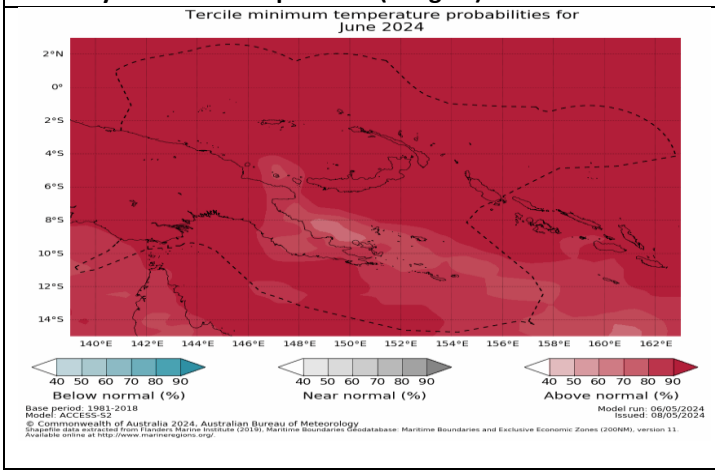
Monthly Maximum temperature (Image 3):



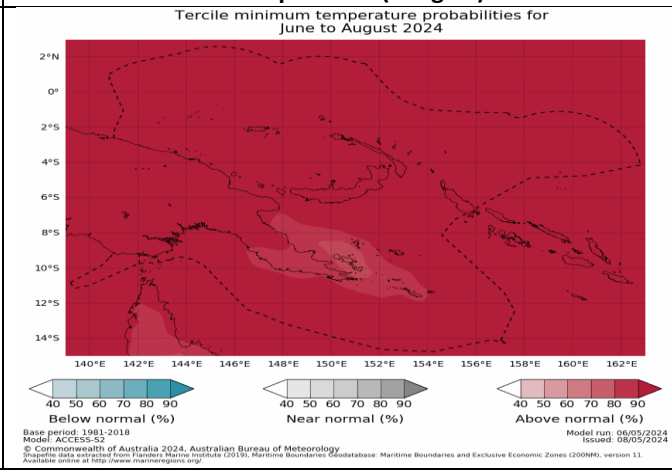
Seasonal maximum temperature (Image 4):



Monthly minimum temperature (Image 5):

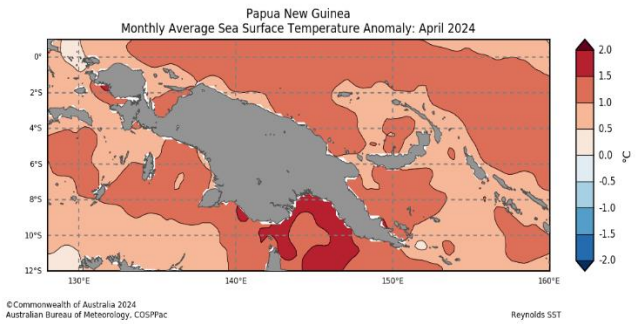
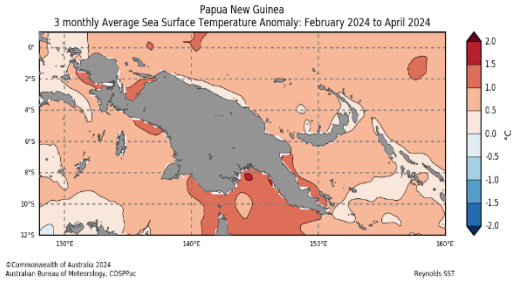
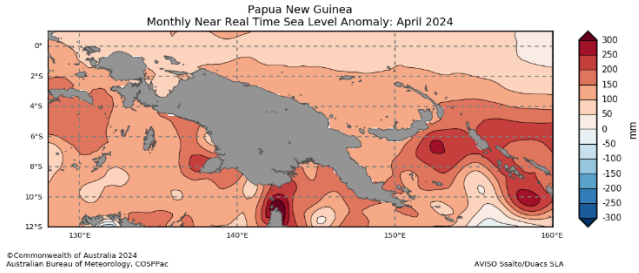
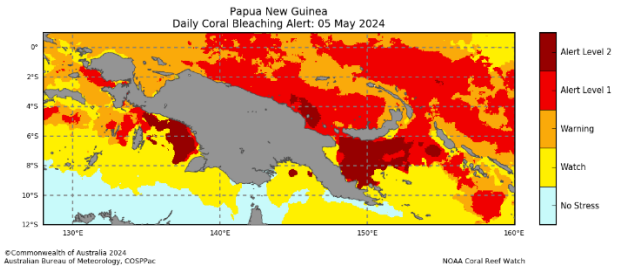
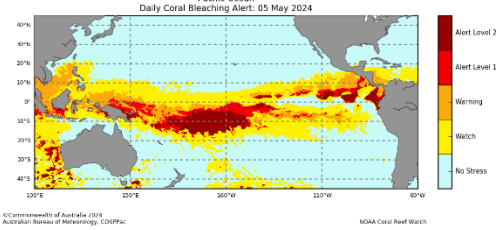


Seasonal minimum temperature (Image 6):

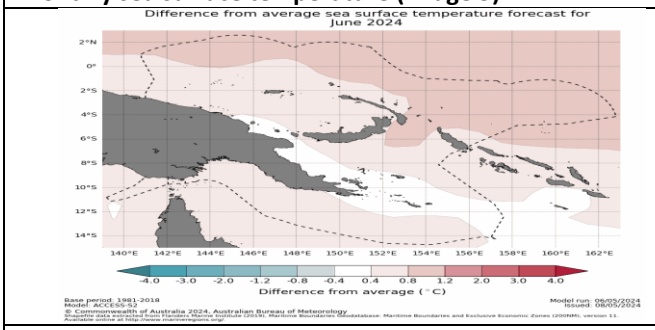
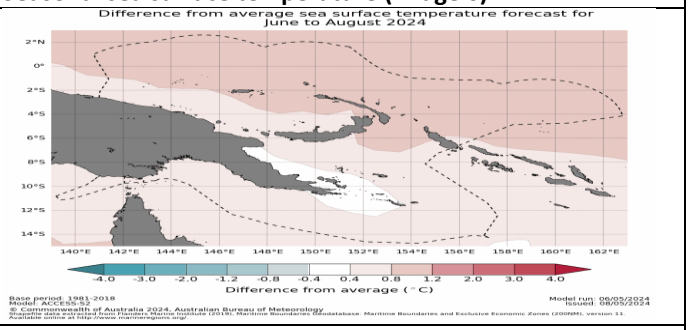
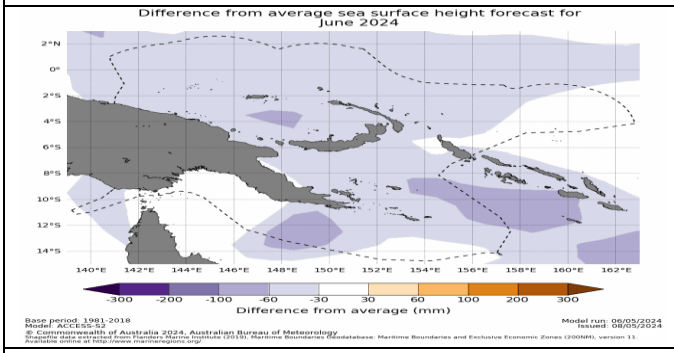
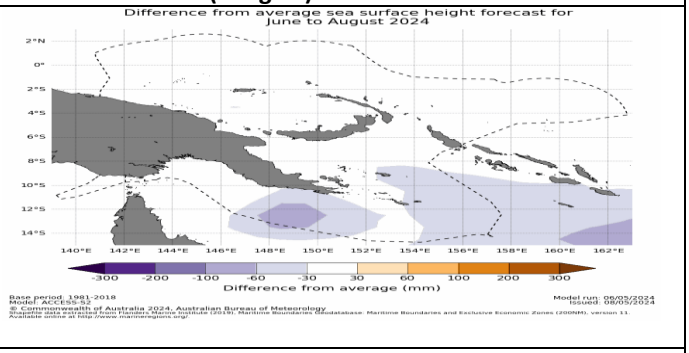
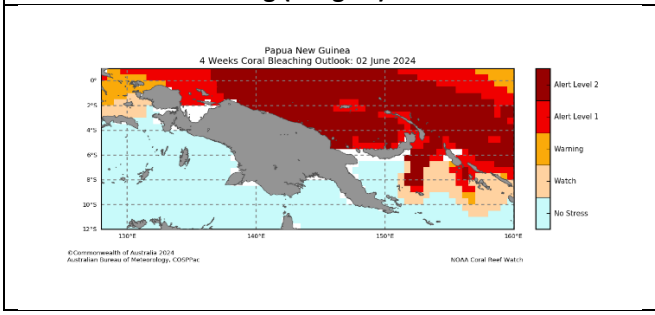
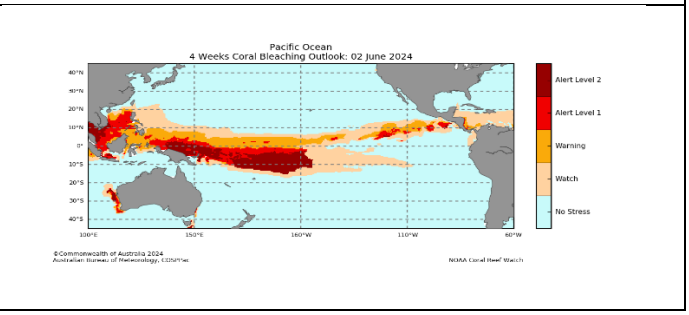


Part 2: Recent Ocean Observation

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

Monthly: April 2024	Last three months: February to April 2024:
Sea Surface Temperature (Image 1):	**Sea Surface Temperature (Image 4):**
	
Sea level (Image 2):	
	
Daily coral bleaching alert (Image 3):	
	

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

Monthly: June	Seasonal: June to August
Monthly sea surface temperature (Image 5):	**Seasonal sea surface temperature (Image 6):**
	
Monthly sea level (Image 7):	**Seasonal sea level (Image 8):**
	
4-week Coral Bleaching (Image 9):	
	

Summary Statement

<u>Monthly and last three months: April 2024/February to April 2024 statement</u>

The rainfall for April was near-normal over Wewak and below normal over Port Moresby, Goroka and Vanimo. For the past three months, rainfall was above normal over Wewak and Port Moresby and below normal over Vanimo, which had its tenth driest February to April on record.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for June is likely or very likely to be below normal over the coastal regions of PNG, as well as across Milne Bay Province. In contrast, above normal June rainfall is likely for much of the Islands Region, while near-normal is likely for most remaining areas.

The rainfall outlook for June to August is very similar to the June outlook, the main difference being above normal rainfall being likely or very likely around the Enga and southern East Sepik Provinces.

Maximum and minimum temperatures during June are very likely to be above normal over PNG.

Maximum and minimum temperatures averaged over June to August are very likely to be above normal over PNG

Part 2: Recent Ocean summary statement

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

April ocean temperatures around PNG were 0.5 to 1.5°C above normal.

Averaged over February to April, ocean temperatures around PNG were 0.5 to 1.0°C above normal.

April sea levels around PNG were 50mm to 200mm above normal.

Coral bleaching alert shows Alert Level 1 and 2 in place for PNG.

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

Ocean Variable statement

June ocean temperatures around PNG are predicted to be 0.0 to 0.8°C above normal.

Averaged over June to August, ocean temperatures around PNG are predicted to be 0.4 to 0.8°C above normal.

June sea levels around PNG mm are predicted to be -30 mm to -60 mm below normal.

Averaged over June to August, sea levels around PNG are predicted to be 0.0mm to -30.00mm below normal.

IN BRIEF for Teleconference

- Rainfall was below normal to above normal for April and February to April, except at Vanimo where rainfall was below normal for both periods.
- The rainfall outlook generally indicates below normal most likely in the most populated areas in June and June to August
- SSTs were near-normal to above normal for April and February to April. The outlook shows above normal/below normal/ normal SSTS for the next one and three months.
- Sea-surface heights (SSH) were above normal for April. Below average sea surface heights are predicted for June and June to August.
- Coral bleaching alert level 2 in place for northern waters of PNG.

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

Product	Date: April 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Ok Tedi Mine Brief	12th March	Ok Tedi Staff	16	14	2	
Drought Update	25th April	NGOs, Consultants, Construction Companies, Govt Agencies, Companies, General public	217	177	40	
Climate data request	April	NGOs, Consultants, Construction Companies, Govt Agencies, Companies	5	4	1	
		Total	**238**	**195**	**43**	