Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 201

Country: PNG

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2024	Apr-2024	May-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Momase Region							
Madang (1944-2022)				299.1	402.9	333.0	
Nadzab (1973-2024)	207.8	167.0	100.4	68.4	103.6	74.0	32/50
Wewak (1956-2024)	145.8	216.0	133.8	177.2	272.8	220.2	17/68
Vanimo (1918-2024)	344.4	180.6		167.7	253.4	205.8	
Highlands Region							
Goroka (1948-2024)	380.2	140.6	154.5	88.5	138.7	109.0	50/60
New Guinea Islands Region							
Momote (1949-2023)				196.1	258.3	232.8	
Kavieng (1916-2024)	561.8		267.5	195.3	293.3	244.5	56/93
Southern Region							
Misima (1917-2021)				175.3	309.7	236.0	
Port Moresby (1875-2024)	289.1	80.5	45.2	33.0	77.2	51.0	57/132

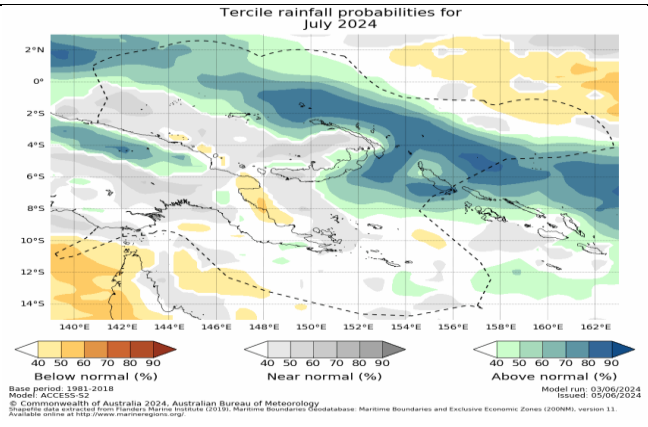
TABLE 2: Three-month Total Rainfall for March to May 2024

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Momase Region						
Madang (1944-2022)			1000.2	1202.2	1130.2	
Nadzab (1973-2024)	475.2	Above normal	345.3	427.8	385.0	35/45
Wewak (1894-2024)	495.6	Below normal	511.4	645.9	595.5	19/65
Vanimo (1918-20243)			656.9	823.5	715.4	
Highlands Region						
Goroka (1948-2024)	675.3	Above normal	492.0	596.0	557.0	49/60
New Guinea Islands Region						
Momote (1949-2023)			713.0	905.4	824.0	
Kavieng (1917-2024)			798.1	942.7	860.8	
Southern Region						
Misima (1917-2021)			698.1	955.6	781.8	
Port Moresby (1875-2024)	414.8	Normal	365.4	487.3	430.0	69/127

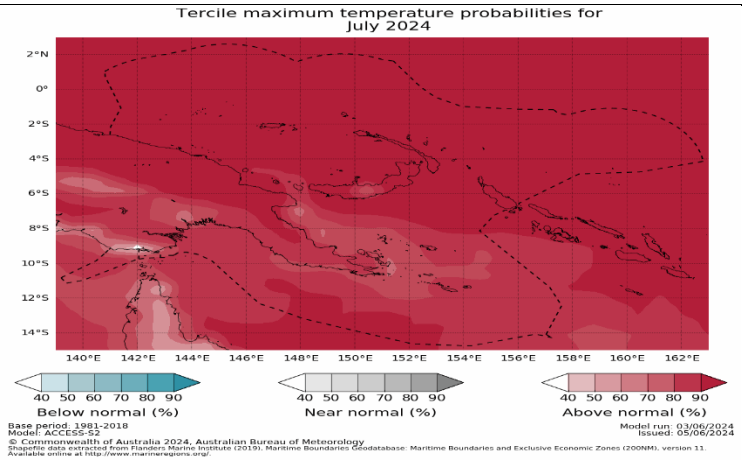
Part 1i. Monthly and Seasonal Outlooks for July and July to September 2024

Monthly: July

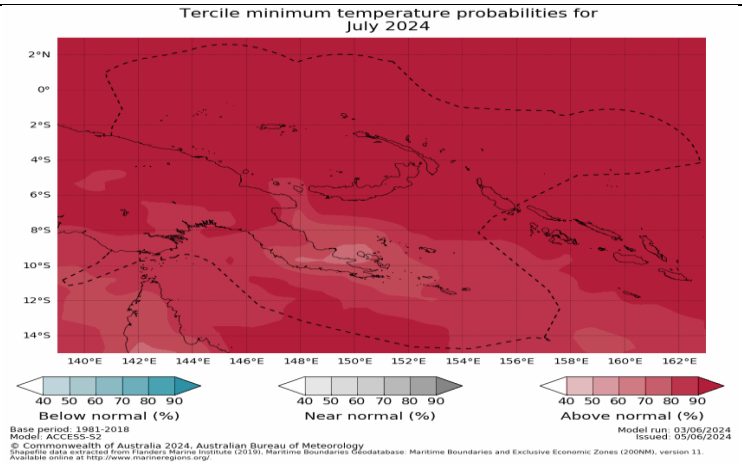
Rainfall (Image 1)



Monthly Maximum temperature (Image 3):

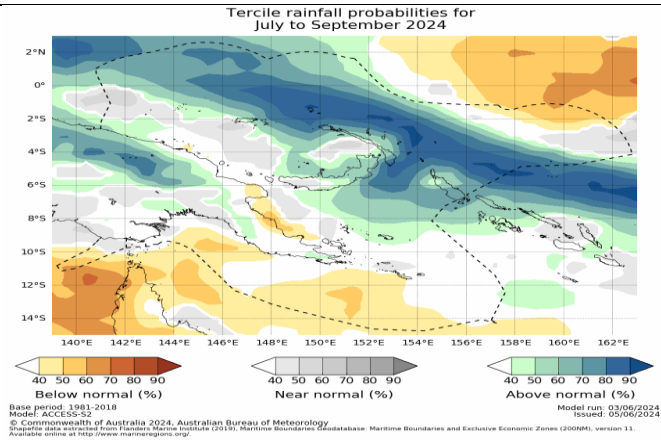


Monthly minimum temperature (Image 5):

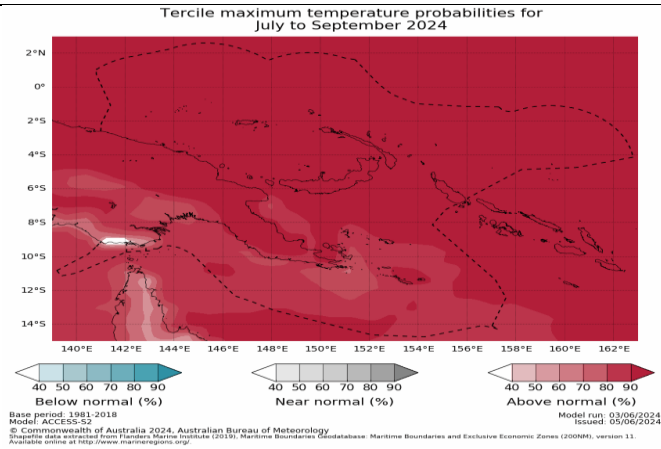


Seasonal: July to September

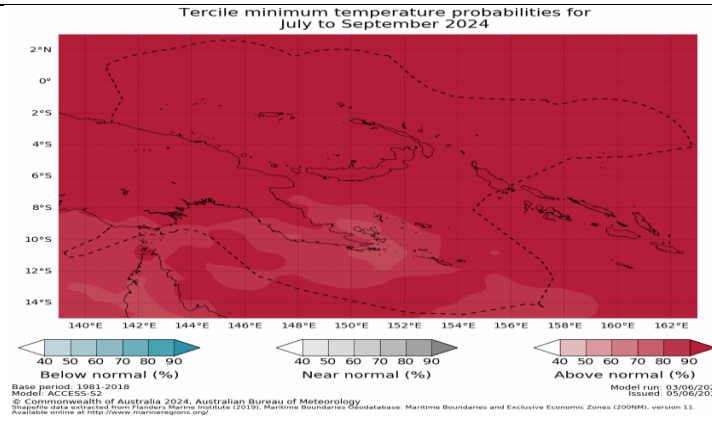
Rainfall (Image 2)



Seasonal maximum temperature (Image 4):

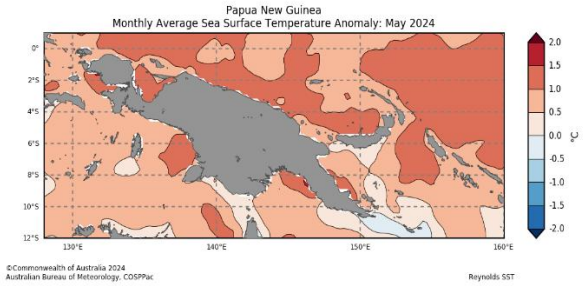
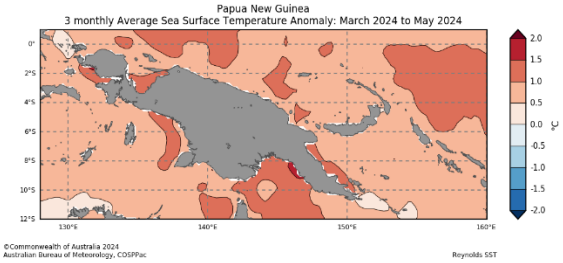
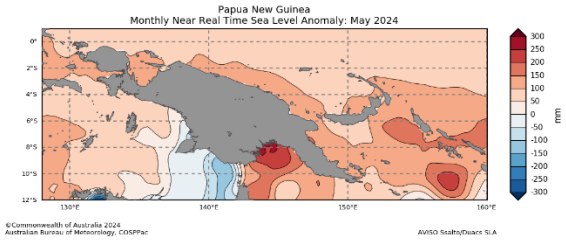
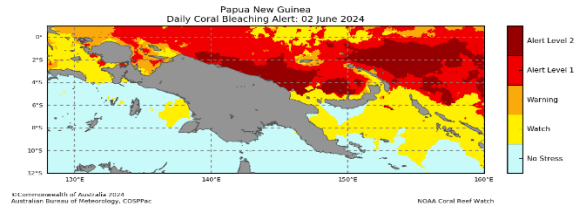
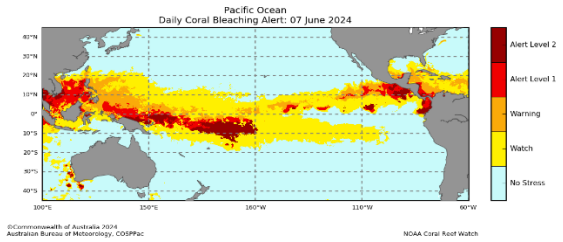


Seasonal minimum temperature (Image 6):

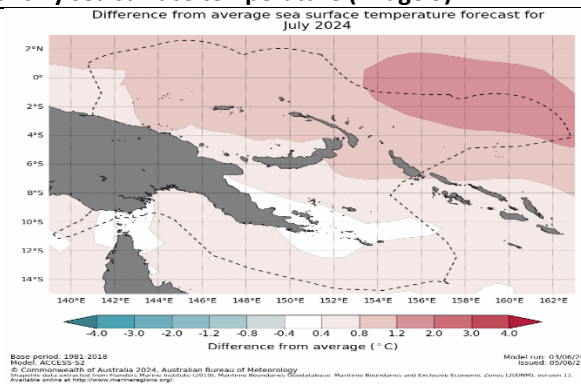
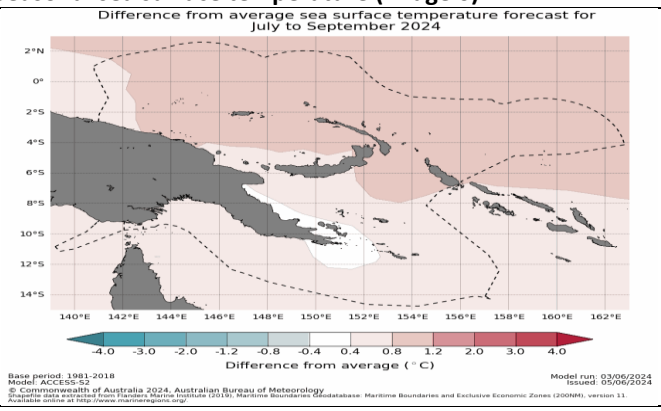
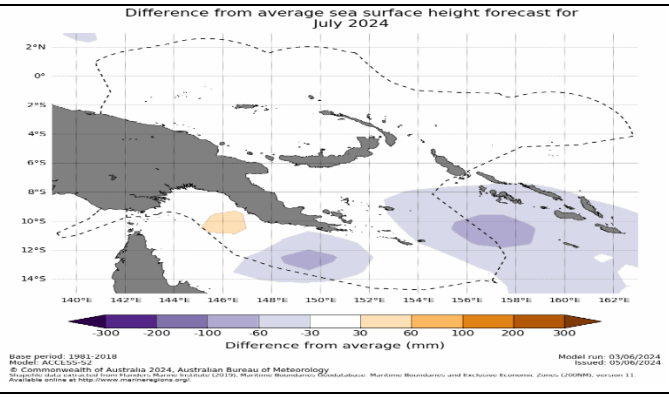
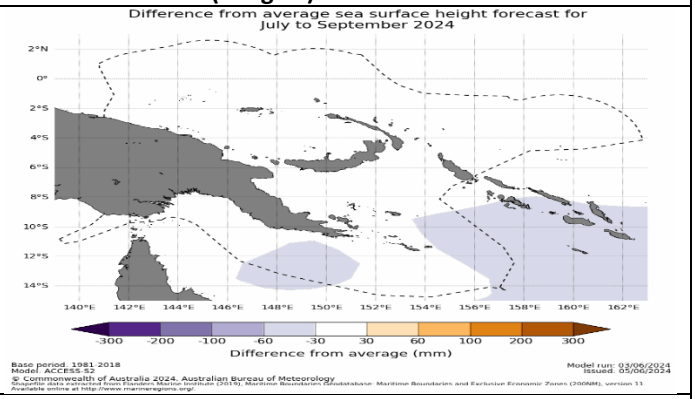
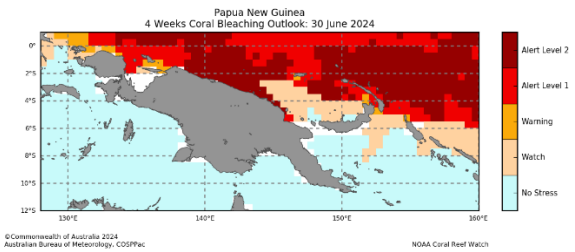
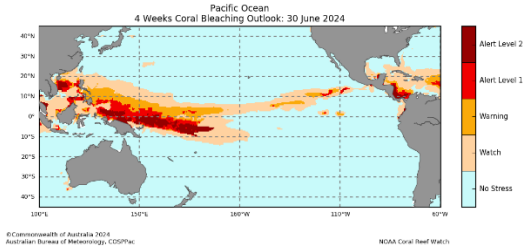


Part 2: Recent Ocean Observation

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

Monthly: May 2024	Last three months: March to May 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 July and July to September 2024

Monthly: July	Seasonal: July to September
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

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

The rainfall for May was near-normal over most monitoring stations, except at Wewak which received below normal, and at Goroka which recorded above normal. For the past three months, rainfall was below normal over Wewak, near-normal at Port Moresby, while Goroka and Nadzab received above normal rainfall.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for July is likely or very likely to be above normal over the Islands region, including Bougainville, as well as inland parts of East and West Sepik Provinces, and northern areas of the Highlands Region. Below normal is likely in coastal areas of Morobe and Oro Provices, while near-normal rainfall is likely in the southern Highlands, Gulf Province, and parts of Milne Bay. In all other parts of PNG, the outlook offers little guidance.

The rainfall outlook for July to September is similar to the July outlook, the main difference being larger areas in the south of the country where there is little guidance.

Maximum and minimum temperatures during July and averaged over July to September are very likely to be above normal over PNG.

Part 2: Recent Ocean summary statement

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

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

Averaged over March to May, ocean temperatures around PNG were 0.5 to 1.5°C above normal.

May sea levels around PNG were 100mm to 150mm above normal. Extreme sea levels were found around coastal waters of Western and Gulf provinces.

There is a coral bleaching 'Alert Level 2 for coastal waters of MOMSAE and Islands regions.

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

Ocean Variable statement

July ocean temperatures around PNG are predicted to be 0.4 to 0.8°C above normal.

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

July sea levels around PNG are predicted to be 00mm to 30mm above normal.

Averaged over July to September, sea levels around PNG are predicted to be 00mm to -30mm below normal.

IN BRIEF for Teleconference

- Rainfall for May and March to May showed a mix of totals ranging from below normal to above normal.
- Rainfall is likely to be above normal over northern mainland PNG and the PNG Islands in July and over July to September. The outlook is mixed elsewhere.
- SSTs were above normal for May and March to May. The outlook shows above normal SSTS for the next one and three months.
- Sea-surface heights (SSH) were above normal for May. Below normal sea surface heights are predicted for July and July to September.
- There is a coral bleaching 'Alert Level 2 for coastal waters of MOMSAE and Islands regions.

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

Product	Date: May 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Ok Tedi Mine Brief	13th May	Ok Tedi Staff	16	14	2	Ok Tedi Mine Brief
Drought Update	27th May	NGOs, Consultants, Construction Companies, Govt Agencies, Companies, General public	217	177	40	
Excursions	29th May	School students	72	41	31	
Climate data request	All of May		4	3	1	
		Total	**309**	**235**	**74**	