

# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 197

Country: Papua New Guinea

## Part 1: Recent climate

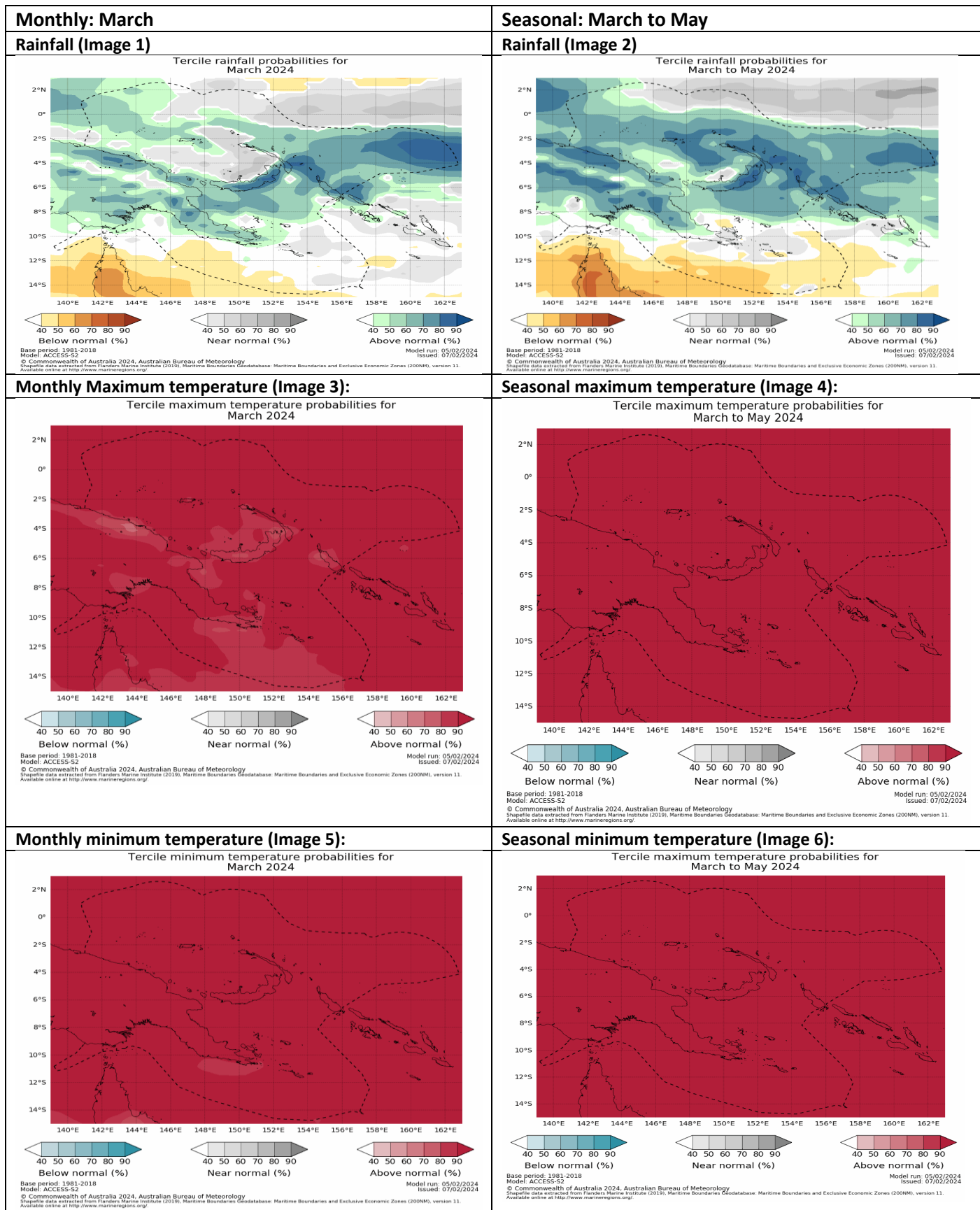
**TABLE 1: Monthly Rainfall**

Station (include data period)	Nov-2023	Dec-2023	Jan-2024				Rank
	Total (mm)	Total (mm)	Total (mm)	33%tile	67%tile	Median	
			Rainfall (mm)				
<b>Momase Region</b>							
Madang (1944-2022)				279.0	366.0	327.2	
Nadzab (1973-2024)	25.6	52.4	144.4	130.0	182.4	155.6	20/50
Wewak (1956-2024)	105.0	109.6	54.2	111.2	162.8	141.0	9/68
Vanimo (1918-2023)	187.2			211.3	341.6	282.3	
<b>Highlands Region</b>							
Goroka (1948-2023)		201.2		194.0	258.6	226.0	
<b>New Guinea Islands Region</b>							
Momote (1949-2023)				235.5	314.3	271.2	
Kavieng (1916-2024)	205.2	284.7	298.8	256.2	358.2	315.6	38/93
<b>Southern Region</b>							
Misima (1917-2022)				173.8	304.9	262.2	
Port Moresby (1875-2024)	15.0	83.0	228.9	135.4	224.0	181.8	97/136

**TABLE 2: Three-month Total Rainfall for November 2023 to January 2024**

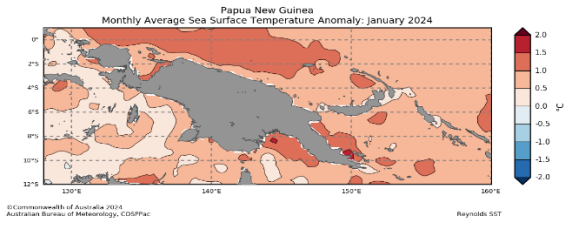
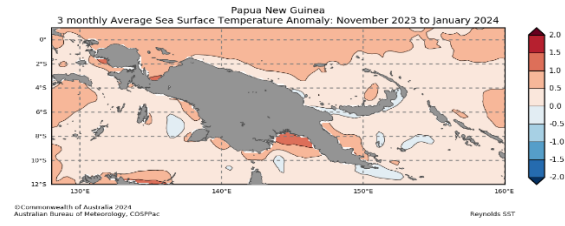
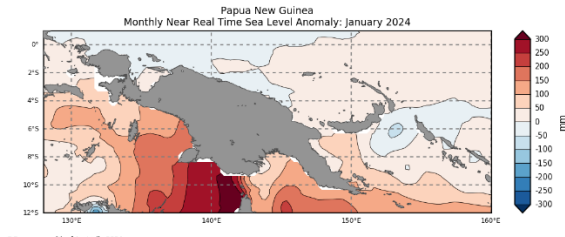
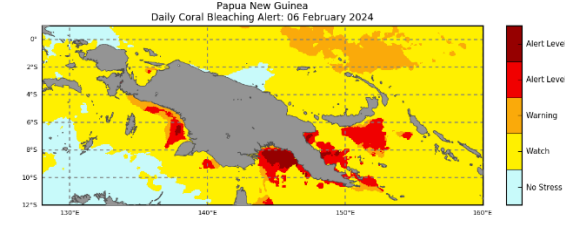
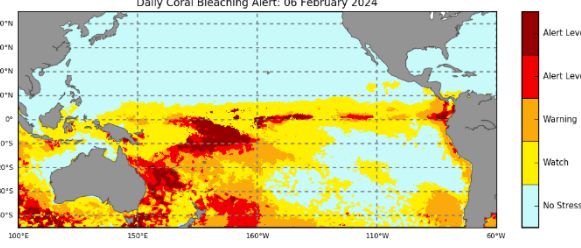
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
<b>Momase Region</b>						
Madang (1944-2024)			953.0	1120.0	1036.4	
Nadzab (1973-2024)	222.4	Below normal	376.3	459.7	403.8	2/49
Wewak (1894-2024)	268.8	Below normal	441.3	557.5	489.8	3/66
Vanimo (1918-2024)			674.8	849.6	737.6	
<b>Highlands Region</b>						
Goroka (1948-2024)			536.5	644.4	597.2	
<b>New Guinea Islands Region</b>						
Momote (1949-2024)			729.3	883.7	816.0	
Kavieng (1917-2024)	788.7	Normal	770.9	943.0	844.6	31/91
<b>Southern Region</b>						
Misima (1917-2024)			602.4	748.7	672.3	
Port Moresby (1875-2024)	326.9	Normal	304.0	431.086	369.1	52/124

# Part 1i. Monthly and Seasonal Outlooks for March and March to May 2024

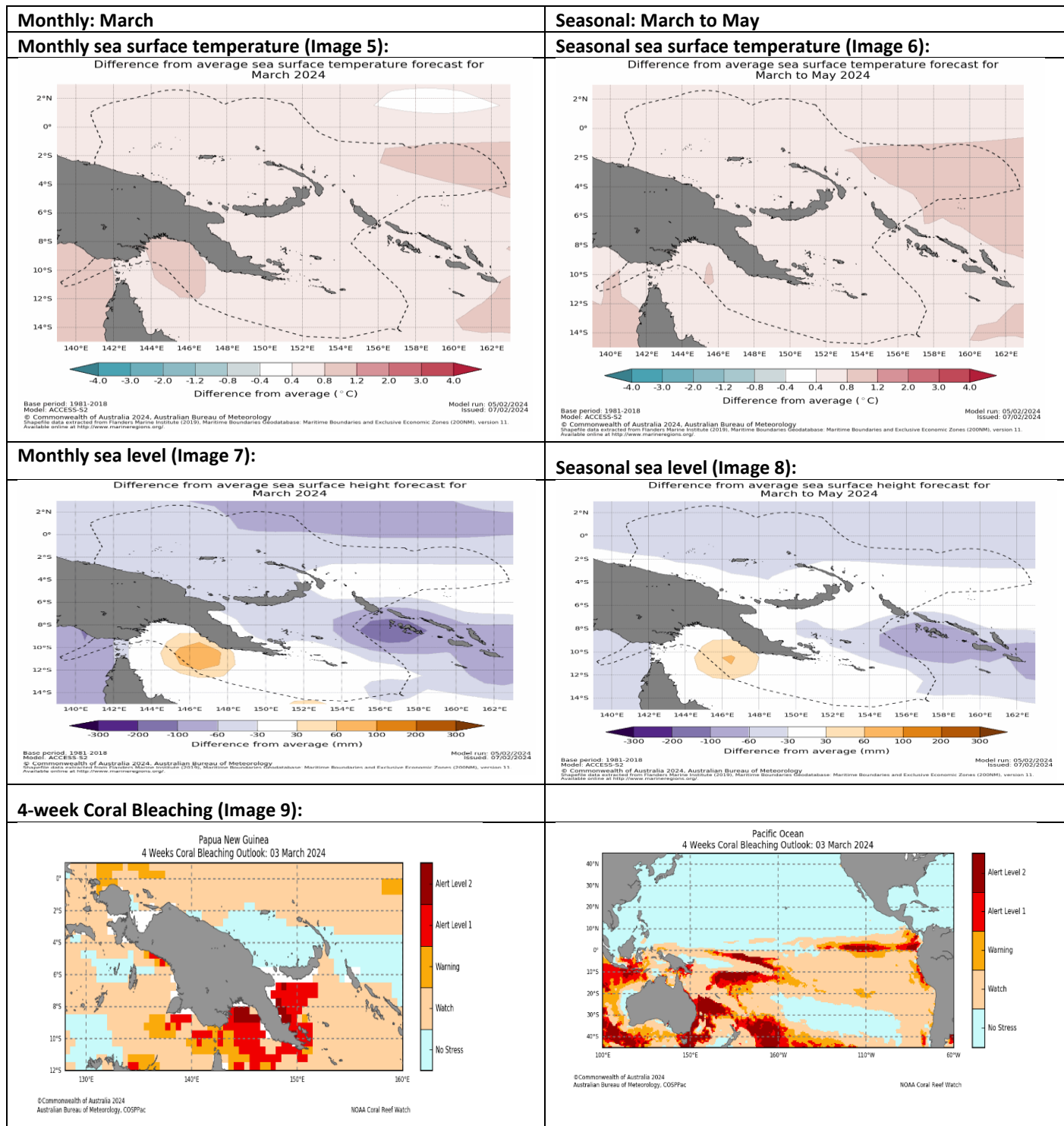


# Part 2: Recent Ocean Observation

## Monthly/Three months: January 2024 and November 2023 to January 2024

<p><b>Monthly: January 2024</b></p>	<p><b>Last three months: November 2023 to January 2024:</b></p>
<p><b>Sea Surface Temperature (Image 1):</b></p>  <p>Papua New Guinea Monthly Average Sea Surface Temperature Anomaly: January 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>	<p><b>Sea Surface Temperature (Image 4):</b></p>  <p>Papua New Guinea 3 monthly Average Sea Surface Temperature Anomaly: November 2023 to January 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>
<p><b>Sea level (Image 2):</b></p>  <p>Papua New Guinea Monthly Near Real Time Sea Level Anomaly: January 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>AVISO SeaWiFS/SeaWiFS SLA</p>	
<p><b>Daily coral bleaching alert (Image 3):</b></p>  <p>Papua New Guinea Daily Coral Bleaching Alert: 06 February 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>	 <p>Pacific Ocean Daily Coral Bleaching Alert: 06 February 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>

# Part 2i. Monthly and Seasonal Outlooks for March and March to May 2024



## Summary Statement

### Monthly and last three months: January 2024/November 2023 to January 2024 statement

The rainfall for January was below normal at Wewak, near-normal at Nadzab and Kavieng, and above normal at Port Moresby.

For the past three months, rainfall was below normal at Nadzab and Wewak, and near-normal at Port Moresby and Kavieng. Nadzab and Wewak recorded their second and third lowest November to January totals, respectively.

## Part 1i. Monthly and Seasonal Outlooks for March and March to May 2024

### Monthly /Seasonal rainfall and temperature Outlook statements

March rainfall is likely or very likely to be above normal over the PNG mainland and PNG's Islands.

The rainfall for March to May is very likely to be above normal over most parts of PNG. In Milne Bay, the outlook shows March to May's rainfall is likely to be near-normal.

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

## Part 2: Recent Ocean summary statement

### Monthly and last three months: January 2024/November 2023 to January 2024

January ocean temperatures around PNG were utmost 1.5°C above normal.

Averaged over November to January, ocean temperatures around PNG were utmost 1.5°C above normal.

January sea levels around PNG were utmost 100mm above normal for southern PNG.

Coral bleaching alert shows Alert Level 2 for southern PNG.

## Part 2i. Monthly and Seasonal Outlooks for March and March to May 2024

### Ocean Variable statement

March ocean temperatures around PNG are predicted to be 0.4 to 1.2°C above normal.

Averaged over March to May, ocean temperatures around PNG are predicted to be utmost 0.8°C above normal.

March sea levels around PNG are predicted to be 30mm to 100mm above normal for southern PNG, and 30mm to 60mm below normal for northern PNG.

Averaged over March to May, sea levels around PNG are predicted to be 30mm to 60mm above normal for southern PNG.

Coral bleaching outlook predicts Alert Level 2 for southern PNG.

### IN BRIEF for Teleconference

- Rainfall was mainly near-normal to below normal for both the one- and three-month periods.
- The rainfall outlook generally indicates above normal is likely or very likely in March and March to May.
- Temperatures are very likely to be above normal over the coming month and season.

- SSTs were above normal for January and November to January. The outlook predict above normal SSTS for the next one and three months.
- Sea-surface heights (SSH) were above normal for January. Above normal sea surface heights are predicted for southern PNG and below normal for northern PNG for March and March to May.
- Coral bleaching alert and outlook predicts Alert Level 2 for southern PNG.

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

Product	Date: January 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate Bulletin						
Drought Update	24/01/24		215	177	38	
Weekly Ok Tedi Climate Briefing	02/01/24/ 29/01/24	OK Tedi Mine	10	9	1	
Ocean Outlook	-					
Climate data request	All of January	NGOS, Consultants, schools	4	3	1	
<b>Total</b>			<b>229</b>	<b>189</b>	<b>40</b>	