# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 192

**Country: Papua New Guinea** 

**Part 1: Recent climate** 

**TABLE 1: Monthly Rainfall** 

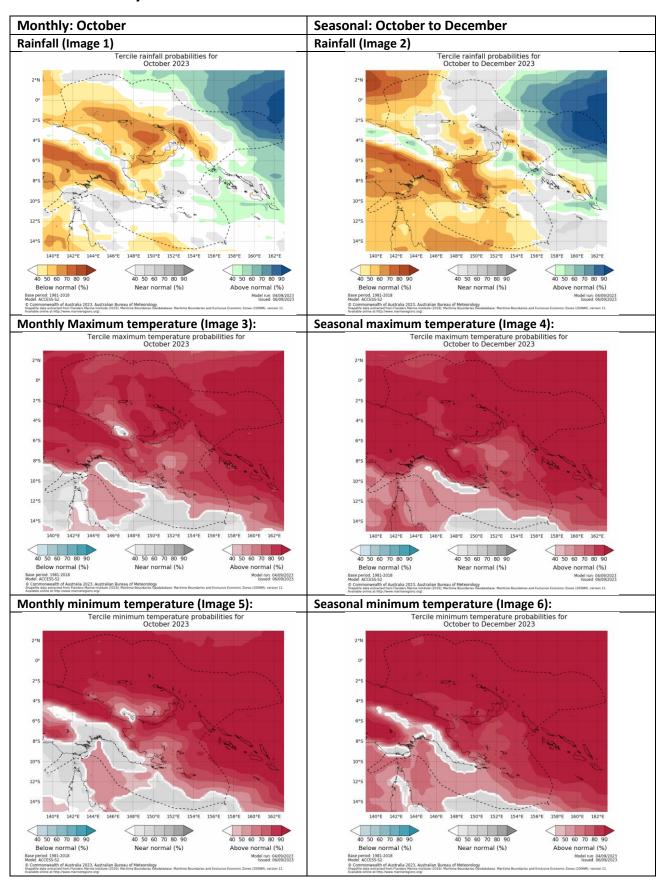
	Jun-2023	Jul-2023	Aug-2023					
' Station (include data period)			Total (mm)	33%tile	67%tile	Median		
	Total (mm)	Total (mm)	Rainfall (mm)				Rank <sup>1</sup>	
		Mom	ase Region					
Madang (1944-2023)				64.0	142.8	100.5		
Nadzab (1973-2023)	68.8	195.6	212.6	80.8	148.0	111.6	42/50	
Wewak (1956-2023)	131.0	109.6	65.2	117.6	211.4	146.2	10/68	
Vanimo (1918-2023)	95.2	202.4	337.8	138.3	193.5	166.0	67/68	
Highlands Region								
Goroka (1948-2023)	61.2	56.4	98.6	49.2	84.0	64.6	42/61	
New Guinea Islands Region								
Momote (1949-2023)				221.0	334.8	276.4		
Kavieng (1916-2023)	293.8	226.6	174.4	156.9	253.0	205.9	35/92	
Southern Region								
Misima (1917-2023)				80.3	165.0	109.0		
Port Moresby (1875-2023)	16.2	12.8	2.6	9.5	32.0	15.6	18/124	

**TABLE 2: Three-month Total Rainfall for June to August 2023** 

Station	Three-month Total		33%tile	67%tile	Median	Rank			
		Rainfall (mm)							
Momase Region									
Madang (1944-2023)			403.2	546.9	473.0				
Nadzab (1973-2023)	477.0	Above normal	295.0	424.3	329.0	37/48			
Wewak (1894-2023)	305.8	Below normal	492.3	621.8	563.2	4/68			
Vanimo (1918-2023)	635.4	Above normal	514.7	632.3	560.2	46/66			
Highlands Region									
Goroka (1948-2023)	216.2	Normal	162.6	240.0	185.2	37/58			
New Guinea Islands Region									
Momote (1949-2023)			742.2	1057.7	936.2				
Kavieng (1917-2023)	694.8	Normal	462.0	778.0	700.0	45/92			
Southern Region									
Misima (1917-2023)			341.3	548.0	481.8				
Port Moresby (1875-	31.6	Below	56.4	110.8	87.5	19/110			

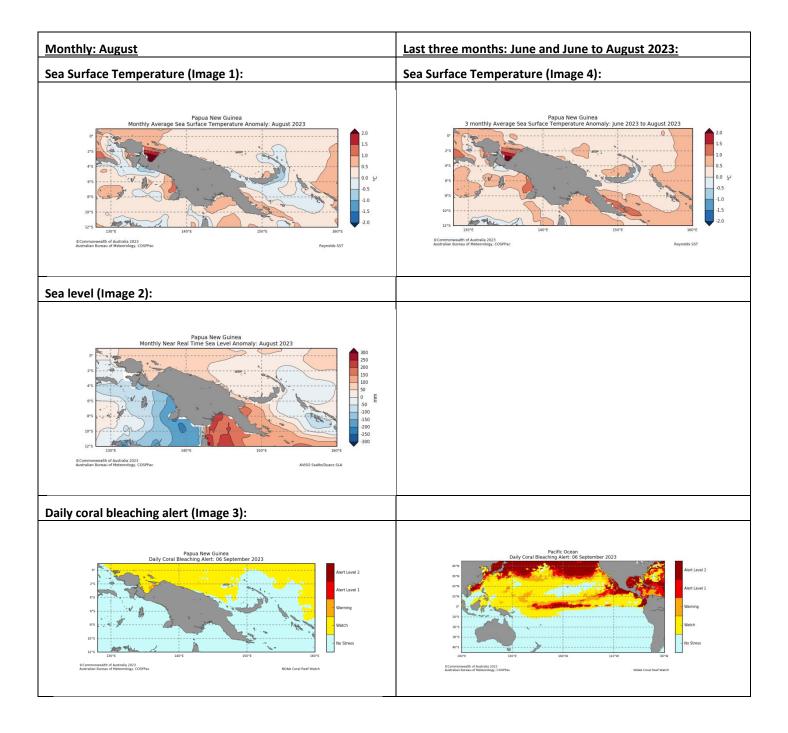
2023) normal

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2023

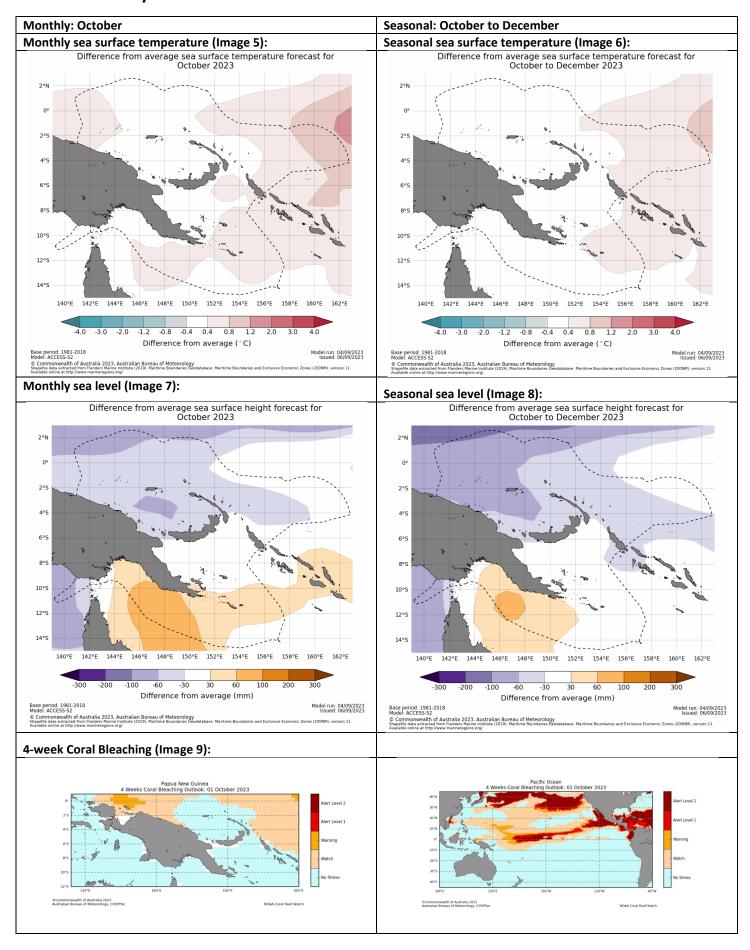


## **Part 2: Recent Ocean Observation**

## Monthly/Three months: August and June to August 2023



## Part 2i. Monthly and Seasonal Outlooks for October and October to December 2023



## **Summary Statement**

#### Monthly and last three months: August 2023/June to August 2023 statement

Rainfall for August was below normal at Wewak and Port Moresby, above normal at Nadzab, Vanimo and Goroka, and normal at Kavieng. Vanimo received its second wettest August on record.

July rainfall was not available for Madang, Momote, and Misima.

Rainfall for June to August was below normal at Wewak and Port Moresby, above normal at Nadzab and Vanimo, and near-normal at Goroka and Kavieng. Wewak received its fourth driest June to August on record.

### Part 1i. Monthly and Seasonal Outlooks for October and October to December 2023

#### Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for October is likely or very likely to be below normal over most of the regions of PNG. The main exception is the Momase Region where the outlook offers little guidance.

The rainfall for October to December is likely very likely to be below normal for most of PNG. The exceptions are northeast New Britain and much of New Ireland where near-normal is likely, and the Momase region where there are some small areas of above normal being likely surrounded by a region of little guidance.

Maximum temperatures during October and October to December are very likely to be above normal over PNG.

Minimum temperatures averaged over October and October to December are likely to be near-normal over most parts of Southern region and in parts of the Highlands region. For the rest of PNG, above normal is likely or very likely.

### Part 2: Recent Ocean summary statement

#### Monthly and last three months: August 2023/June to August 2023

August ocean temperatures around PNG were 0.5 to 1.0 °C above normal and 0.5 to 1.0 below normal.

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

August sea levels around PNG were 50mm to 250mm above normal and 50mm to 100mm below normal.

PNG has a 'Watch' coral bleaching status over the waters of PNG.

### Part 2i. Monthly and Seasonal Outlooks for October and October to December 2023

#### **Ocean Variable statement**

Averaged over October and October to December ocean temperatures around PNG are predicted to be 0.4 to 0.8 °C above normal.

Averaged over October and October to December, sea levels around PNG are predicted to be 30mm to 60mm below normal north of New Britain and 30mm to 60mm above normal south of PNG.

The four-week coral bleaching outlook to 01 October shows PNG has a 'Watch' status over PNG waters.

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

Seasonal Climate Outlook  15th Govt: National Disaster Centre, Dept. of Agriculture and Livestock, Climate Change Development Authority, National Agriculture Research Institute, Dept. of Transport, Dept. of Mineral Policy and Geohazard Management, Dept. of Works, PNG Fire, National Maritime Safety Authority, Civil Aviation Safety Authority, National Capital District Commission, PNG Customs Authority, National Dept. of Health, Dept. of Education, Centre for Environmental Protection Authority, Water PNG. UN agencies: UNDP, IOM, UNOCH. Private: PNG Air Services Limited, ExxonMobil, Ok Tedi Mining Ltd, PNG Power Ltd, Global Construction Ltd, Date, Interoil, Air Niugini, Bank South Pacific, Kina Bank, SMEC, PNG Ports, Media and Universities.	Product	Date: August 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate PNGNWS, BOM	Climate	15 <sup>th</sup>	Centre, Dept. of Agriculture and Livestock, Climate Change Development Authority, National Agriculture Research Institute, Dept. of Transport, Dept. Of Mineral Policy and Geohazard Management, Dept. of Works, PNG Fire, National Maritime Safety Authority, Civil Aviation Safety Authority, PNG Forest Authority, National Capital District Commission, PNG Customs Authority, National Dept. of Health, Dept. of Education, Centre for Environmental Protection Authority, Water PNG. UN agencies: UNDP, IOM, UNOCH. Private: PNG Air Services Limited, ExxonMobil, Ok Tedi Mining Ltd, PNG Power Ltd, Global Construction Ltd, Datec, Interoil, Air Niugini, Bank South Pacific, Kina Bank, SMEC, PNG Ports,	222	172	50	
Total 236 183 53	Climate	11th	PNGNWS, BOM				