# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 191

**Country: Papua New Guinea** 

Part 1: Recent climate

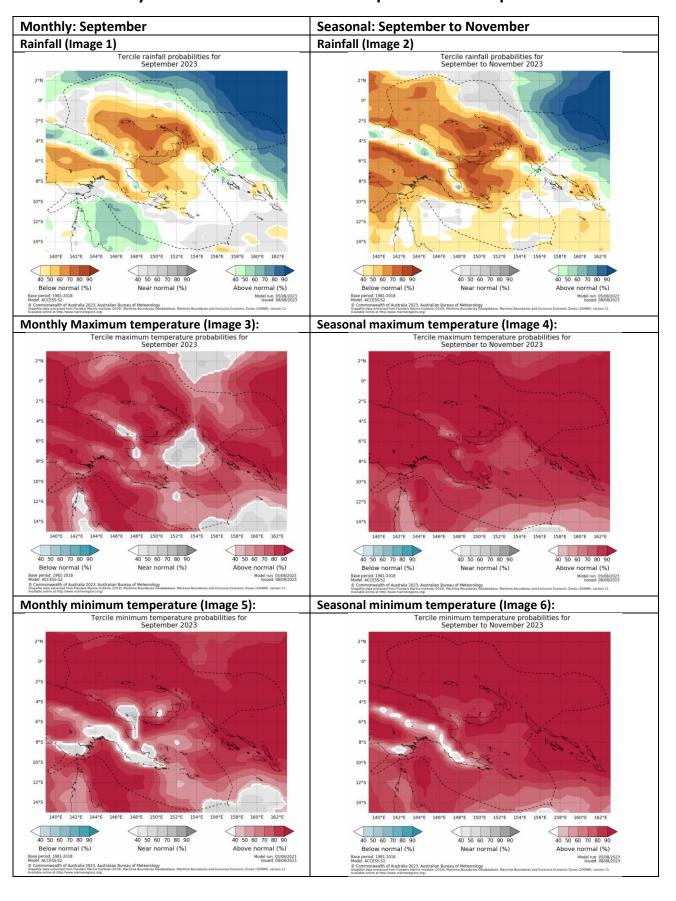
**TABLE 1: Monthly Rainfall** 

	May- 2023	Jun-2023	Jul-2023				
' Station (include data period)			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nalik
Momase Region							
Madang (1944-2022)				103.8	183.0	142.0	
Nadzab (1973-2023)	129.0	68.8	195.6	75.9	151.0	117.8	39/49
Wewak (1956-2023)	241.6	131.0	109.6	149.0	206.4	176.8	14/68
Vanimo (1918-2023)	167.6	95.2	202.4	145.6	219.8	199.5	37/69
Highlands Region							
Goroka (1948-2023)	187.0	61.2	56.4	41.9	70.6	53.5	34/62
New Guinea Islands Region							
Momote (1949-2023)				292.8	398.8	339.0	
Kavieng (1916-2023)	474.0	293.8	226.6	178.7	273.9	218.6	49/94
Southern Region							
Misima (1917-2022)				87.0	189.9	139.2	
Port Moresby (1875-2023)	354.8	16.2	12.8	6.6	25.4	14.2	58/124

**TABLE 2: Three-month Total Rainfall for May to July 2023** 

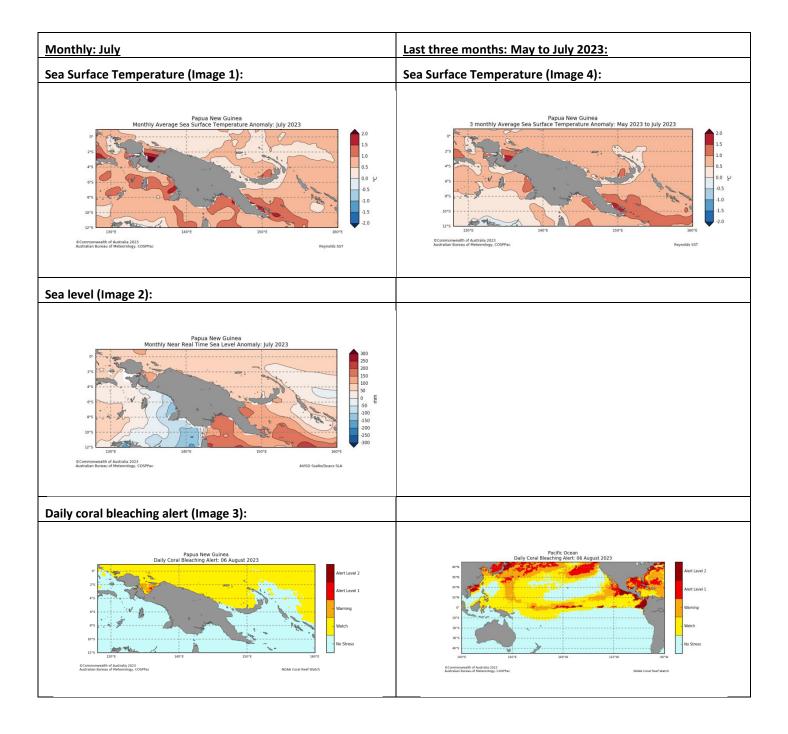
Station	Three-month Total		33%tile	67%tile	Median	Rank		
Momase Region								
Madang (1944-2022)			636.1	813.3	743.2			
Nadzab (1973-2023)	393.4	Above normal	274.8	372.8	319.1	37/47		
Wewak (1894-2023)	482.2	Below normal	540.0	694.6	629.8	20/68		
Vanimo (1918-2023)	465.2	Below normal	575.0	685.5	606.6	14/68		
Highlands Region								
Goroka (1948-2023)	304.6	Above normal	200.0	257.6	255.0	45/57		
New Guinea Islands Region								
Momote (1949-2023)			790.9	1017.0	898.1			
Kavieng (1917-2023)	994.4	Above normal	635.6	782.9	709.8	85/92		
Southern Region								
Misima (1917-2022)			473.4	709.0	564.2			
Port Moresby (1875-2023)	383.8	Above normal	86.9	158.3	119.8	109/113		

Part 1i. Monthly and Seasonal Outlooks for September and September to November 2023

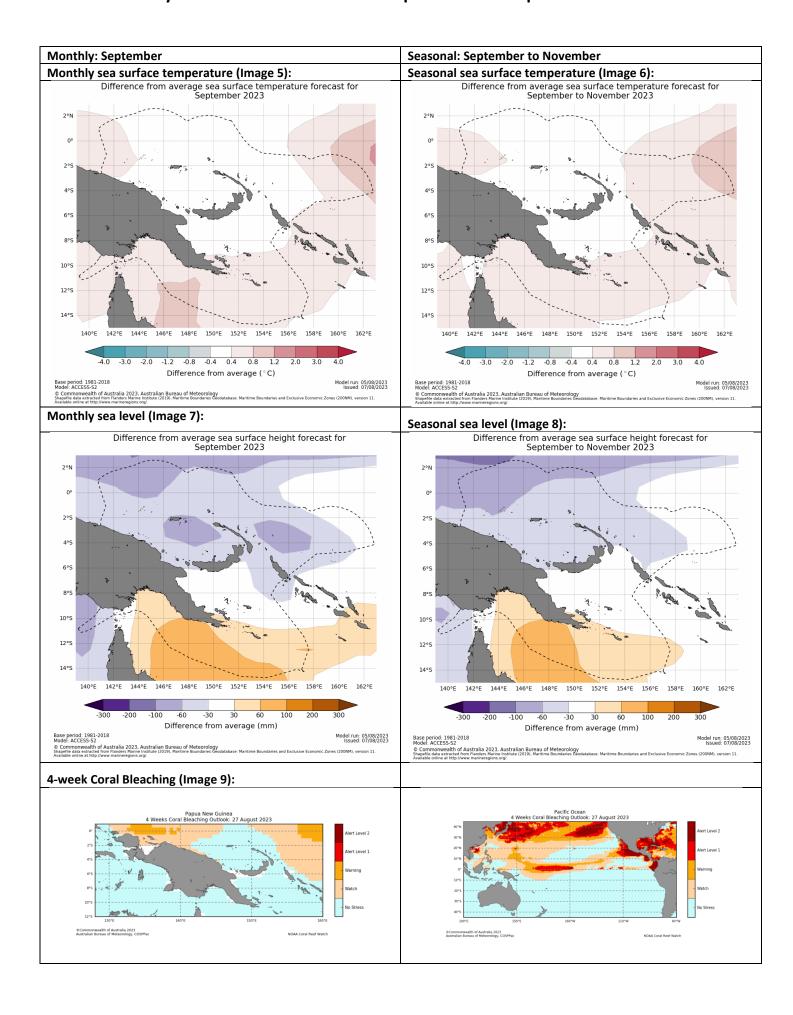


## **Part 2: Recent Ocean Observation**

Monthly/Three months: May and May to July 2023



# Part 2i. Monthly and Seasonal Outlooks for September and September to November 2023



## **Summary Statement**

#### Monthly and last three months: July 2023/May to July 2023 statement

Rainfall for July was below normal at Wewak, above normal at Nadzab, and near-normal at Vanimo, Goroka, Kavieng and Port Moresby.

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

Rainfall for May to July was below normal at Wewak and Vanimo, and above normal at Nadzab, Goroka, Kavieng and Port Moresby. Port Moresby and Kavieng received their fifth and eighth wettest May to July periods on record, respectively.

### Part 1i. Monthly and Seasonal Outlooks for September and September to November 2023

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

The rainfall for September is very likely to be below normal over most of the regions of PNG, apart from the Momase region where above normal is likely..

The rainfall for September to November is very likely to be below normal for most of PNG, apart from the Momase region where there is generally little guidance, although above normal is likely in a few isolated patches.

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

Minimum temperatures for September are likely to be near-normal over most parts of the Southern Region, and above normal for the rest of PNG.

Minimum temperatures averaged over September to November are likely to be near-normal over parts of the Highlands, Western and Central, but for the rest of PNG above normal temperatures are likely or very likely

#### Part 2: Recent Ocean summary statement

#### Monthly and last three months: July 2023/May to July 2023

July ocean temperatures around PNG were 0.5 to 2.0 °C above normal.

Averaged over May to July, ocean temperatures around PNG were 0.5 to 2.0 °C above normal.

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

PNG has a 'No Stress to Watch' coral bleaching status over the waters of PNG.

#### Part 2i. Monthly and Seasonal Outlooks for September and September to November 2023

#### **Ocean Variable statement**

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

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

Averaged over September and September to November, sea levels around PNG are predicted to be 30mm to 100mm below normal in northern PNG and 30mm to 60mm above normal in the south.

The four-week coral bleaching outlook to 27 August shows PNG has a 'No Stress to Watch' status over PNG waters.

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

Product	Date: July 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Monthly Drought Update						
Monthly OTML Climate Briefing	30th	Ok Tedi Mine Limited, PNGNWS, BOM	14	11	3	
Climate data request		DHV Engineers, BECE International, NARI, Paga Hill, Student (University of Goroka), PNGNWS, Student (University of Southern Queensland)	7	5	2	
		Total	21	16	5	