Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 189

Country: Papua New Guinea

Part 1: Recent climate

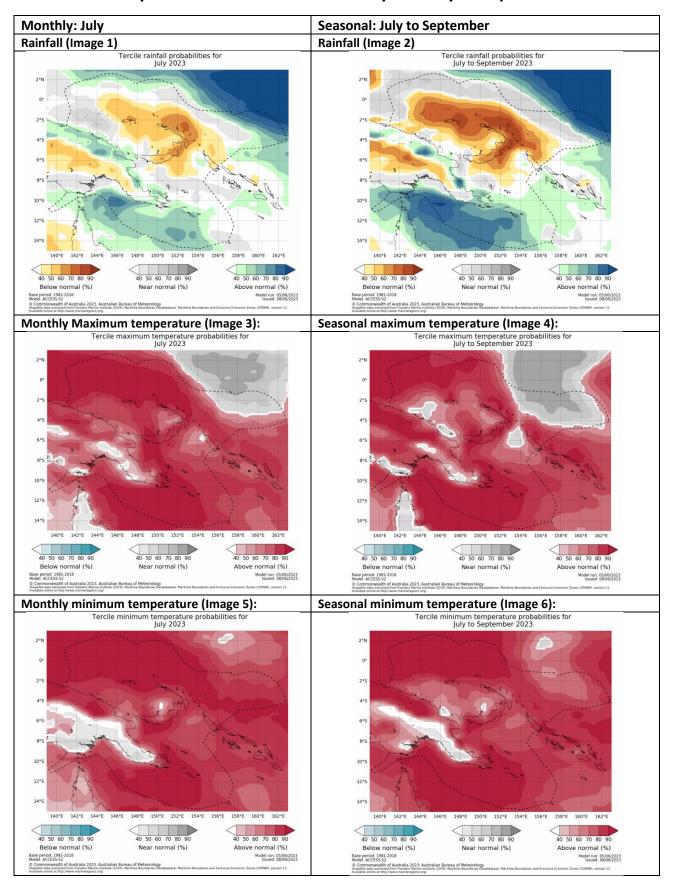
TABLE 1: Monthly Rainfall

	Mar-	Apr- 2023	May-2023					
' Station (include data period)	2023		Total (mm)	33%tile	67%tile	Median	- Rank	
	Total (mm)	Total (mm)	Rainfall (mm)				Ralik	
		Mom	ase Region					
Madang (1944-2023)				299.7	409.8	333.8		
Nadzab (1973-2023)	25.6	67.0	129.0	67.8	103.1	73.5	39/49	
Wewak (1956-2023)	137.0	135.2	241.6	177.2	272.8	220.2	38/68	
Vanimo (1918-2023)	145.4	237.0	167.6	167.8	257.6	205.8	24/70	
Highlands Region								
Goroka (1948-2023)	172.0	213.0	187.0	88.5	138.7	109.0	53/60	
New Guinea Islands Region								
Momote (1949-2023)	136.2			196.1	258.3	232.8		
Kavieng (1916-2023)	376.0	453.0		195.3	293.3	244.5		
Southern Region								
Misima (1917-2023)				178.0	310.8	241.5		
Port Moresby (1875-2023)	132.2	247.0	354.8	32.4	74.8	51.0	130/131	

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

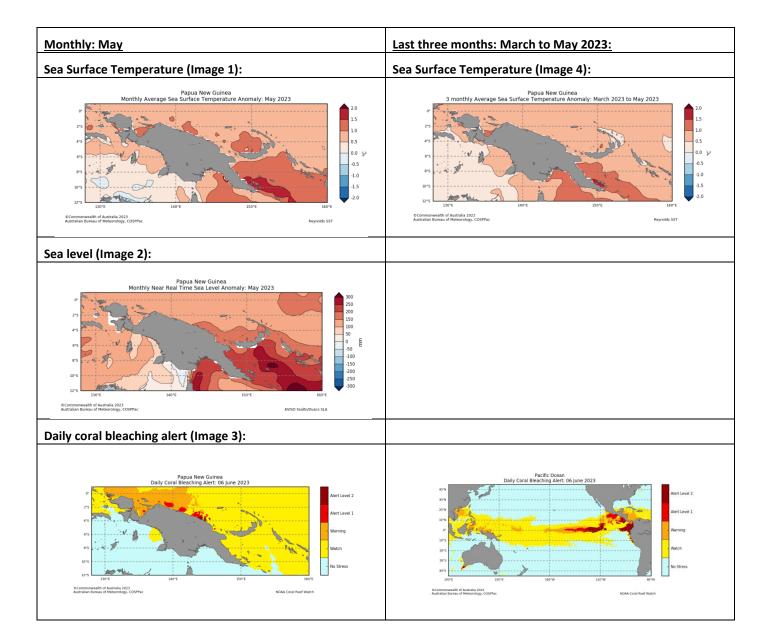
Station	Three-month Total		33%tile	67%tile	Median	Rank		
	Momase Region							
Madang (1944-2023)			1000.2	1202.2	1130.2			
Nadzab (1973-2023)	221.6	Below normal	345.3	427.8	385.0	4/45		
Wewak (1894-2023)	513.8	Normal	511.4	645.9	595.5	25/65		
Vanimo (1918-2023)	550.0	Below normal	663.1	831.3	720.1	12/66		
Highlands Region								
Goroka (1948-2023)	572.0	Normal	491.9	595.3	553.5	33/59		
New Guinea Islands Region								
Momote (1949-2023)			713.0	905.4	824.0			
Kavieng (1917-2023)			798.1	942.7	860.8			
Southern Region								
Misima (1917-2023)			698.1	955.6	781.8			
Port Moresby (1875- 2023)	734.0	Above normal	365.2	479.7	428.0	125/126		

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

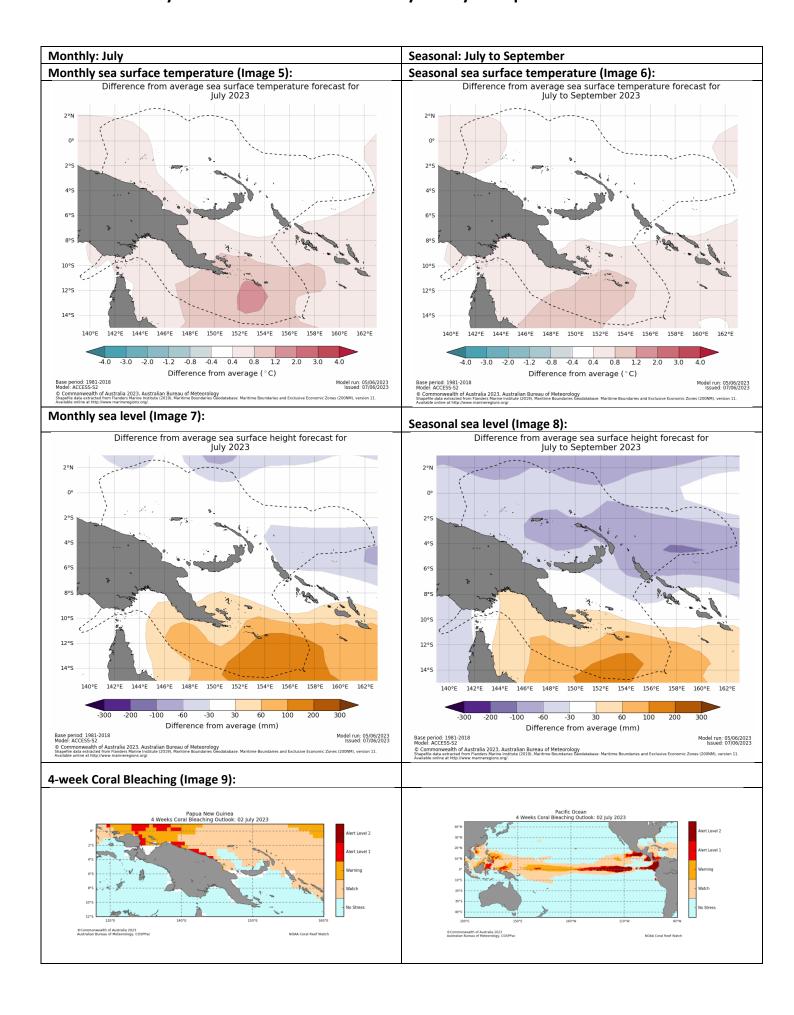


Part 2: Recent Ocean Observation

Monthly/Three months: May and March to May 2023



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



Summary Statement

Monthly and last three months: May 2023/March to May 2023 statement

Rainfall for May was below normal Vanimo, above normal for Nadzab, Goroka and Port Moresby, and normal for Wewak. Goroka and Port Moresby recorded their eighth and second wettest May on record, respectively.

May rainfall was not available for Madang, Momote, Kavieng and Misima.

Rainfall for March to May was below normal at Nadzab and Vanimo, above normal at Port Moresby and normal at Wewak and Goroka. Nadzab received its fourth driest and Port Moresby received its second wettest March to May on record.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for July is likely to be above normal over the Momase region and the eastern Milne Bay Islands. Below normal is likely for the New Guinea Islands, and near-normal rainfall is likely over the Western Province and parts of Central and Oro.

The rainfall for July to September is very likely to be below normal for the Islands and Highlands Regions. Near-normal to above normal rainfall is likely over the Momase and Southern Regions.

Maximum and Minimum temperatures during July are likely to be near-normal over parts of the Southern and Highlands region, but above normal for the rest of PNG.

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

Part 2: Recent Ocean summary statement

Monthly and last three months: May 2023/March to May 2023

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 50mm to 300mm above normal.

PNG has a 'Alert Level 1 and 2' coral bleaching status over the waters of West and East Sepik.

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

Ocean Variable statement

July ocean temperatures around PNG are predicted to be 0.4 to 1.2 °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 30mm to 100mm above normal.

Averaged over July to September, sea levels around PNG are predicted to be 30mm to 100mm above normal for northern PNG and -30mm to -100 below normal for southern PNG.

The four-week coral bleaching outlook to 02 July shows PNG has a 'Alert level 1' status over the West and East Sepik waters.

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

Product	Date: May 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Seasonal Climate Outlook	30 th	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, PNG Forest 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, Media and Universities.	222	172	50	
Monthly Drought Update	26th	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	214	163	51	

Monthly OTML	8th	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 120 75 45 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, Media and Universities Ok Tedi Mine Limited, PNGNWS, BOM	14	11	3	
Climate Briefing		PNGNWS, BOM				
Climate data request		Insurance Loss adjustors, Kramer Ausenco, Consultant	5	4	1	
		Total	455	350	105	