Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 187

Country: Papua New Guinea

Part 1: Recent climate

TABLE 1: Monthly Rainfall

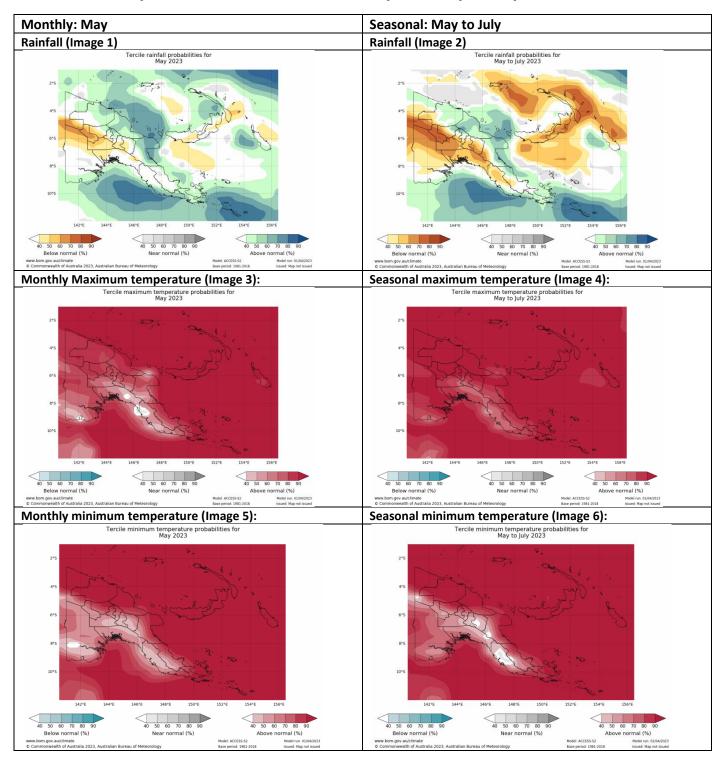
Station (include data period)	Jan-2023	Feb- 2023	Mar-2023				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Kank
Momase Region							
Madang (1944-2023)				309.7	401.3	343.6	
Nadzab (1973-2023)	45.6	233.8	25.6	141.0	201.8	157.7	2/47
Wewak (1956-2023)	116.2	255.0	137.0	130.7	183.2	153.4	28/67
Vanimo (1918-2023)	186.6	367.8	145.4	215.3	356.7	279.2	7/70
Highlands Region							
Goroka (1948-2023)	127.6	225.0	172.0	210.5	277.1	241.0	16/62
New Guinea Islands Region							
Momote (1949-2023)	163.0	430.0	136.2	267.4	333.7	295.1	5/72
Kavieng (1916-2023)	238.8	301.1	376.0	269.7	371.7	326.3	66/91
Southern Region							
Misima (1917-2023)				215.0	321.0	254.1	
Port Moresby (1875-2023)	204.2	188.2	132.2	160.0	276.0	216.0	42/135

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

Station	Three-n	nonth Total	33%tile	67%tile	Median	Rank	
Momase Region							
Madang (1944-2023)			897.6	1083.0	975.8		
Nadzab (1973-2023)	305.0	Below normal	436.7	525.8	470.4	4/46	
Wewak (1894-2023)	508.2	Above normal	374.8	454.4	428.3	56/67	
Vanimo (1918-2023)	699.8	Below normal	778.4	1003.2	883.5	17/67	
Highlands Region							
Goroka (1948-2023)	524.6	Below normal	614.7	780.0	709.5	8/58	
New Guinea Islands Region							
Momote (1949-2023)	729.2	Below normal	751.3	881.1	804.6	20/72	
Kavieng (1917-2023)	915.9	Normal	838.8	987.1	918.6	39/88	
Southern Region							
Misima (1917-2023)			697.9	908.3	783.3		
Port Moresby (1875-	524.6	Below	536.0	680.6	607.8	52/135	

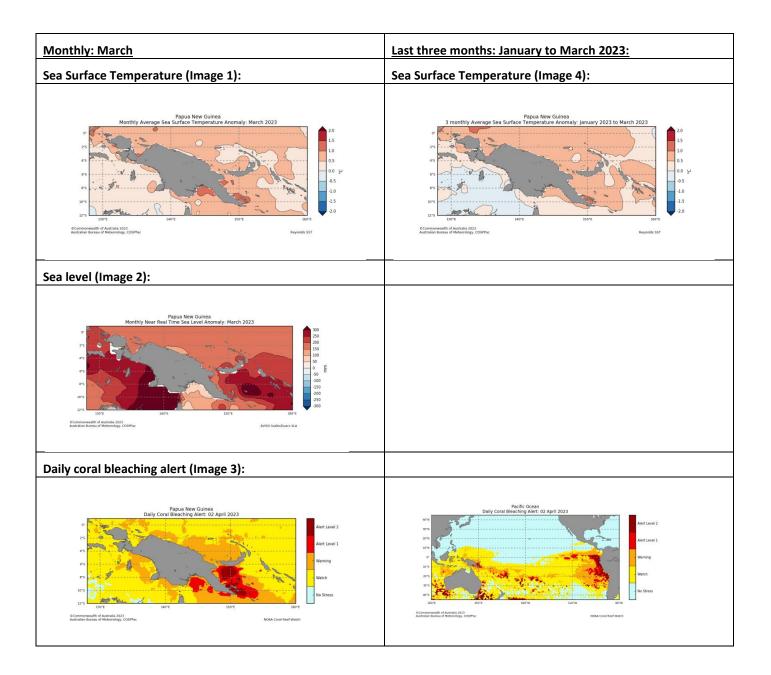
2023) normal

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

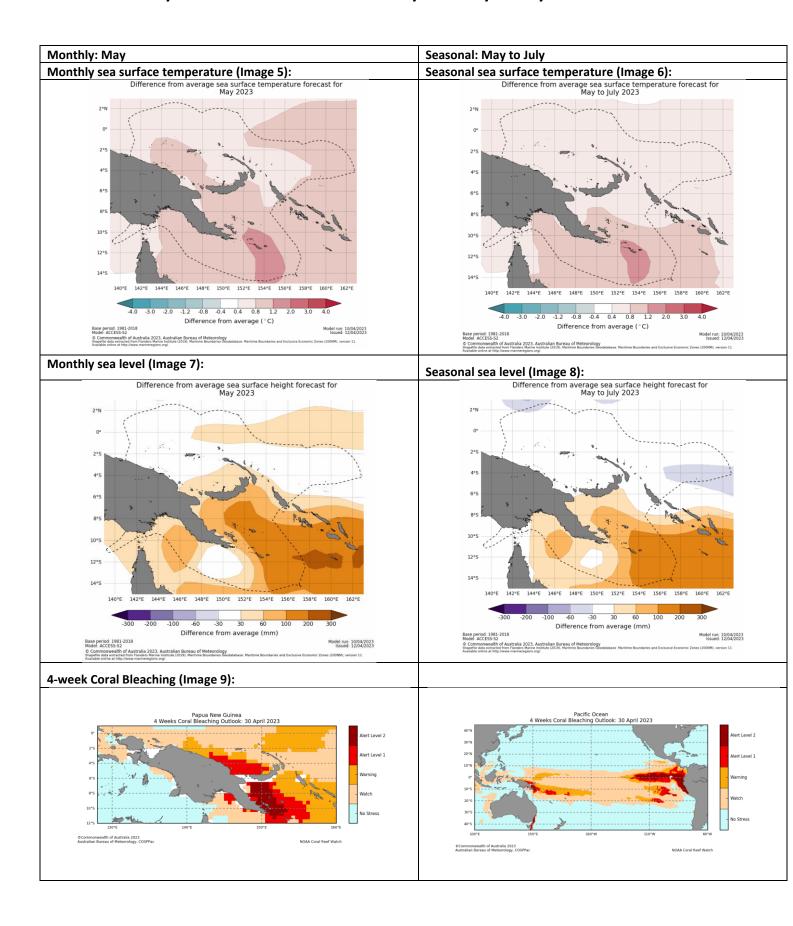


Part 2: Recent Ocean Observation

Monthly/Three months: March and January to March 2023



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



Summary Statement

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

Rainfall for March was above normal at Kavieng, normal at Wewak and below normal for the rest of the monitoring stations. Nadzab, Vanimo and Momote posted their second, seventh and fifth driest March on record, respectively.

March rainfall was not available for Madang and Misima.

Rainfall for January to March was above normal at Wewak, normal at Kavieng and below normal for the rest of the monitoring stations. Nadzab and Goroka had their fourth and eighth driest January to March on record, respectively.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for May is likely to be above normal over East Sepik, Madang, Morobe, Misima and parts of Central, Western, and New Ireland. Near-normal to below normal is likely for the Highlands region, parts of Western, West Sepik, New Britain and New Ireland.

The rainfall for May to July is likely to be below normal for the New Guinea Islands region, the Highlands region, Western, Gulf and parts of West Sepik, Morobe and Central. Near normal to above normal for East Sepik, Madang, Misima and parts of Morobe, Oro and West Sepik.

Maximum and minimum temperatures during May are likely to be near normal over the Southern Region and above normal for the rest of the country.

Maximum and temperatures average over May to July are likely to be above normal over PNG while minimum temperatures are likely to be near normal over Central, Gulf, parts of the Highlands region and Morobe.

Part 2: Recent Ocean summary statement

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

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

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

March sea levels around PNG were 50mm to 300mm above normal.

PNG has a 'Alert Level 2' coral bleaching status over the western Solomon Sea. 'Watch to Warning' status for most of PNG

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

Ocean Variable statement

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

Averaged over May to July, ocean temperatures around PNG are predicted to be 0.4 to 1.2°C above normal.

May sea levels around PNG are predicted to be 30mm to 200mm above normal.

Averaged over May to July, sea levels around PNG are predicted to be 30mm to 100mm above normal.

The four-week coral bleaching outlook to 30 April shows PNG has a 'Alert level 2' status for the western Solomon Sea. 'Watch to Alert level 1' status for most of PNG.

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

Product	Date: March 2023	Stakeholder	Total Number of Participants	Number of male	Number of female
Seasonal Climate Outlook	18 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, 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.	154	110	44
Drought Update	16th	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	120	75	45