Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 176

Country: Papua New Guinea

Part 1: Recent climate

TABLE 1: Monthly Rainfall

	Feb-2022	Mar-2022	Apr-2022				
Station (include data period)			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Kank
Momase Region							
Madang (1944-2022)		296.6	515.2	328.7	456.0	396.0	58/72
Nadzab (1973-2022)		101.2	100.6	88.0	137.0	103.8	19/47
Wewak (1956-2022)	169.6	63.6	106.6	163.0	235.5	187.9	8/65
Vanimo (1918-2022)	347.0	292.0	227.2	183.7	282.7	229.0	34/67
Highlands Region							
Goroka (1948-2022)				163.6	215.0	193.0	
New Guinea Islands Region							
Momote (1949-2022)	278.4	122.4	221.2	232.8	293.1	266.2	22/72
Kavieng (1916-2022)	612.6	265.8	299.4	268.3	327.3	290.9	51/93
Southern Region							
Misima (1917-2022)				207.9	328.0	263.0	
Port Moresby (1875-2022)	85.6	100.0	99.0	83.5	138.0	106.0	62/130

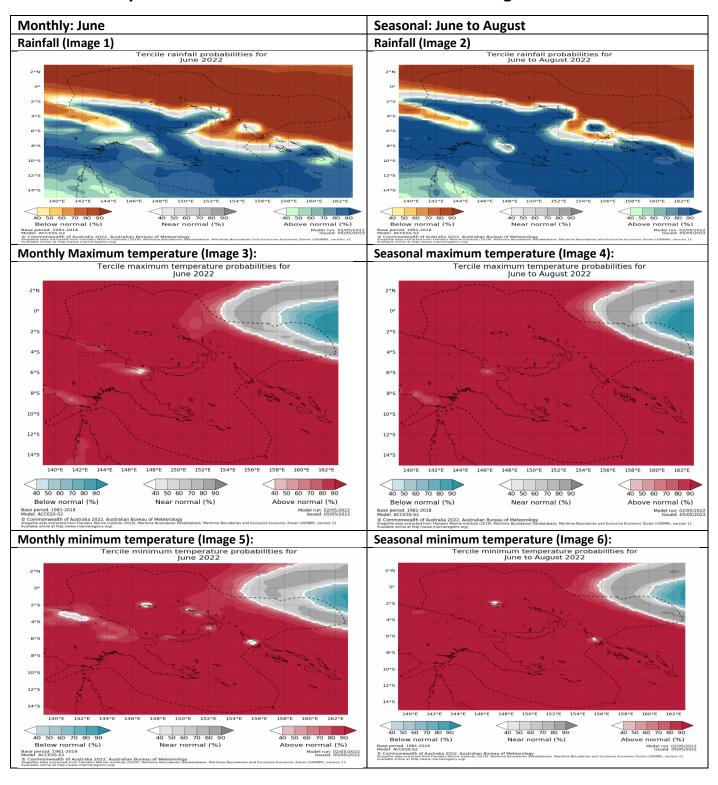
 $Very \ Low: \ X < 0.0 \\ Low: \ 0 \le X < 5 \\ Moderate \ 5 \le X < 10 \\ Good: \ 10 \le X < 15 \\ High: \ 15 \le X < 25 \\$

TABLE 2: Three-month Total Rainfall for February to April 2022

Station	Three-month Total		33%tile	67%tile	Median	Rank	
	Rainfall (mm)						
Momase Region							
Madang (1944-2022)			945.2	1149.4	1046.4		
Nadzab (1973-2022)			397.6	495.9	454.6		
Wewak (1894-2022)	339.8	Below normal	436.1	522.6	480.4	6/64	
Vanimo (1918-2022)	866.2	Normal	728.3	929.1	835.6	38/65	
Highlands Region							
Goroka (1948-2022)			612.0	746.2	673.4		
New Guinea Islands Region							
Momote (1949-2022)	622.0	Below normal	754.8	915.2	799.6	9/71	
Kavieng (1917-2022)	1177.8	Above normal	822.0	956.0	893.5	80/90	
Southern Region							
Misima (1917-2022)			709.9	940.9	827.2		
Port Moresby (1875-2022)	284.6	Below normal	469.7	597.9	535.6	13/129	

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Part 1i. Monthly and Seasonal Outlooks for June and June to August 2022

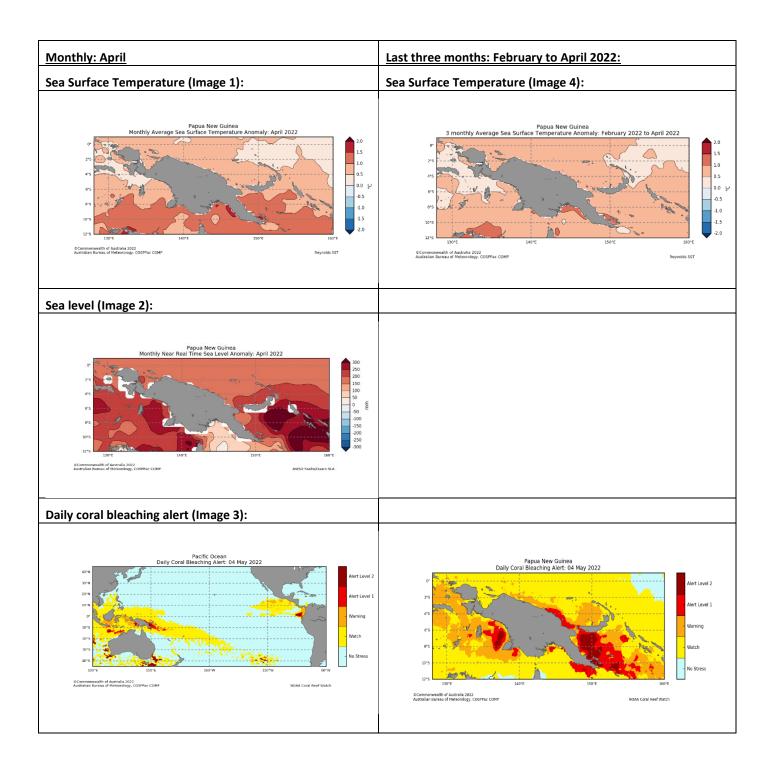


Very Low: X < 0.0 Low: $0 \le X < 5$ Moderate $5 \le X < 10$ Good: $10 \le X < 15$ High: $15 \le X < 25$

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

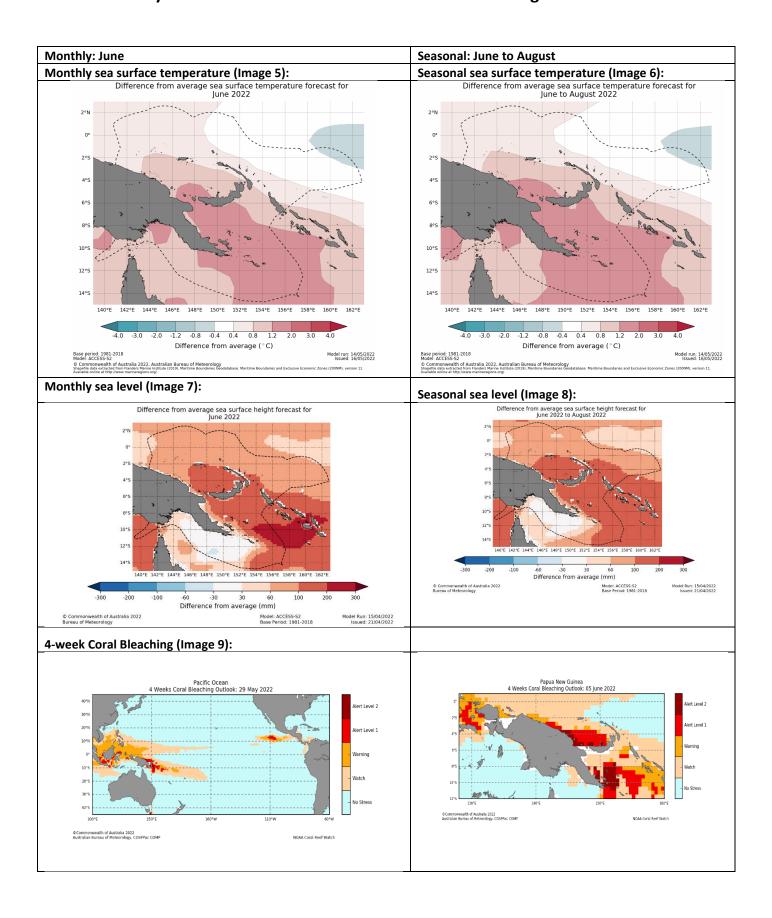
Part 2: Recent Ocean summary statement

Monthly: April 2022



Very Low: X < 0.0 Low: $0 \le X < 5$ Moderate $5 \le X < 10$ Good: $10 \le X < 15$ High: $15 \le X < 25$

Part 2i. Monthly and Seasonal Outlooks for June and June to August 2022



NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0 Low: $0 \le X < 5$ Moderate $5 \le X < 10$ Good: $10 \le X < 15$ High: $15 \le X < 25$

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Summary Statement

Monthly and last three months: April 2022/February to April 2022 statement (Highly significant changes)

Rainfall for April was below normal at Wewak and Momote, normal at Nazab, Vanimo, Kavieng and Port Moresby whilst Madang recorded above normal rainfall.

April rainfall data is not available for Goroka and Misima.

Rainfall for February to April was below normal at Wewak, Momote and Port Moresby, normal at Vanimo and above normal at Kavieng.

Wewak recorded its sixth driest February to April on record.

Part 1i. Monthly and Seasonal Outlooks for June and June to August 2022

Monthly /Seasonal rainfall and temperature Outlook statements (Highly significant changes)

The outlook for June is very likely to be above normal across the country except for Vanimo, Wewak, Enga, Kavieng, Momote and parts of East New Britain and Madang are very likely to be below normal.

The outlook for PNG for June to August is very likely to be above normal except Vanimo, Wewak and southern part of Bougainville are likely to below normal.

The maximum and minimum temperature outlook for PNG for June and June to August is very likely to be above normal across the country.

Part 2: Recent Ocean summary statement

Monthly and last three months: April/February to April 2022 (Highly significant changes)

In April, most of PNG experienced above average SSTs with significant patches of above normal SSTs at 1.0 to 1.5 degree Celsius except Momote and Kavieng experienced average SSTs.

February to April observations shows that PNG experienced above average SSTs of up to 1.0 degrees Celsius whilst New Ireland province experienced average SSTs.

The sea level anomaly for PNG in April was above normal, with significant sea level anomaly ranging from 100 to 300mm above average for Solomon Sea and waters surrounding West New Britain and New Ireland Provinces.

PNG has a 'warning of alert level 2' coral bleaching status around the Solomon Sea.

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Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Part 2i. Monthly and Seasonal Outlooks for June and June to August 2022

Ocean Variable statement (Highly significant changes)

The outlook for PNG sea surface temperatures reveals above normal temperature differences of 0.4 to 2.0°C, with the significant temperature differences located in the Solomon Sea for June and June to August forecast.

The outlook for sea level for PNG shows above normal sea level differences of 30mm to 200mm for June and June to August in PNG.

The outlook for coral bleaching for PNG remains at 'alert level 2' for the Solomon Sea and extends to the Bismarck Sea.

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

Product	Date: April 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing					
Ocean Outlook					
Climate data request					
Total					

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