

Country: Papua New Guinea

Part 1: Recent climate

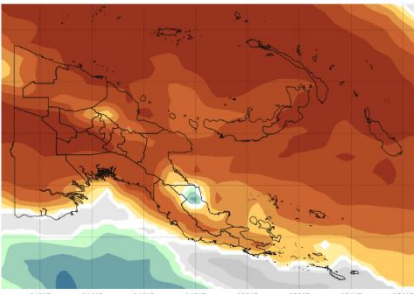
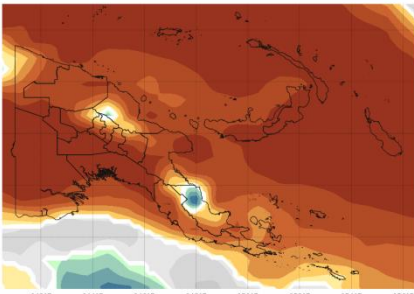
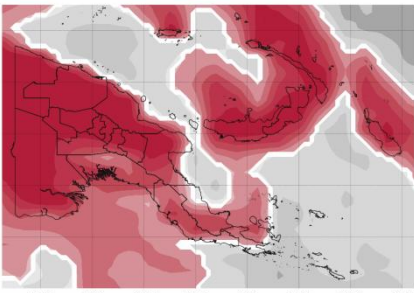
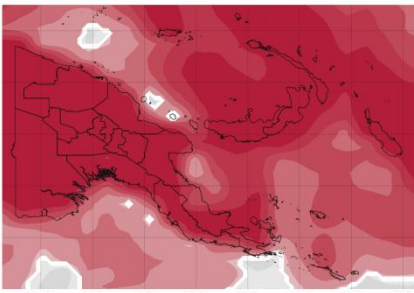
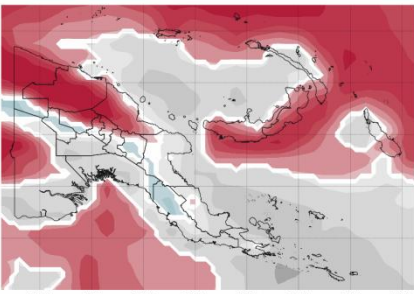
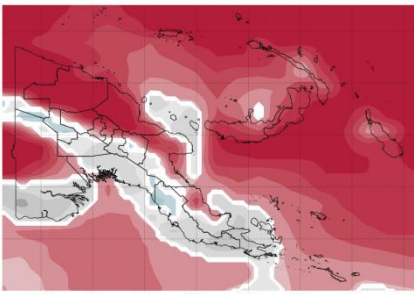
TABLE 1: Monthly Rainfall

Station (include data period)	Apr-2026	May-2026	Jun-2026				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Momase Region							
Madang (1944-2026)	467.0		20.0	158.4	226.3	205.9	2/70
Nadzab (1973-2026)		71.8	45.4	64.7	122.0	83.6	14/52
Wewak (1956-2026)	238.6			171.6	229.0	203.5	
Vanimo (1918-2026)				168.1	246.1	202.4	
Highlands Region							
Goroka (1948-2026)	280.0	56.0	27.8	45.9	76.0	58.1	10/63
New Guinea Islands Region							
Momote (1949-2026)				221.5	313.6	273.3	
Kavieng (1916-2026)	210.8	347.2	303.4	192.3	269.6	212.4	71/96
Tokua (1995-2026)	369.6	233.4	273.3	118.2	185.0	164.2	26/32
Southern Region							
Misima (1917-2026)				110.6	226.1	160.5	
Port Moresby (1875-2026)	30.4	2.4	0.0	11.7	43.5	24.0	1/128

TABLE 2: Three-month Total Rainfall for Apr to Jun 2026

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Momase Region						
Madang (1944-2026)			904.9	1073.7	1007.2	
Nadzab (1973-2026)			270.7	346.7	322.3	
Wewak (1894-2026)			553.8	671.4	639.2	
Vanimo (1918-2026)			580.4	740.6	652.9	
Highlands Region						
Goroka (1948-2026)	363.8	Normal	334.1	421.6	382.1	27/59
New Guinea Islands Region						
Momote (1949-2026)			703.0	895.0	805.1	
Kavieng (1917-2026)	861.4	Normal	689.0	885.2	784.6	58/94
Tokua (1995-2026)	876.3	Above normal	503.0	651.0	568.0	29/29
Southern Region						
Misima (1917-2026)			602.7	883.3	741.6	
Port Moresby (1875-2026)	32.8	Below normal	195.6	299.0	250.6	2/121

Part 1i. Monthly and Seasonal Outlooks for August and August to October 2026

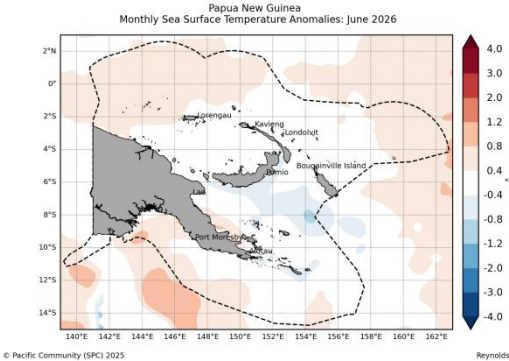
Monthly: August 2026	Seasonal: August to October 2026
Rainfall (Image 1)	Rainfall (Image 2)
Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/07/2026 Issued: 09/07/2026 Tercile rainfall probabilities for August 2026  Below normal (%) Near normal (%) Above normal (%) www.bom.gov.au/climate © Commonwealth of Australia 2026, Australian Bureau of Meteorology	Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/07/2026 Issued: 09/07/2026 Tercile rainfall probabilities for August to October 2026  Below normal (%) Near normal (%) Above normal (%) www.bom.gov.au/climate © Commonwealth of Australia 2026, Australian Bureau of Meteorology
Monthly Maximum temperature (Image 3):	Seasonal maximum temperature (Image 4):
Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/07/2026 Issued: 09/07/2026 Tercile maximum temperature probabilities for August 2026  Below normal (%) Near normal (%) Above normal (%) www.bom.gov.au/climate © Commonwealth of Australia 2026, Australian Bureau of Meteorology	Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/07/2026 Issued: 09/07/2026 Tercile maximum temperature probabilities for August to October 2026  Below normal (%) Near normal (%) Above normal (%) www.bom.gov.au/climate © Commonwealth of Australia 2026, Australian Bureau of Meteorology
Monthly minimum temperature (Image 5):	Seasonal minimum temperature (Image 6):
Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/07/2026 Issued: 09/07/2026 Tercile minimum temperature probabilities for August 2026  Below normal (%) Near normal (%) Above normal (%) www.bom.gov.au/climate © Commonwealth of Australia 2026, Australian Bureau of Meteorology	Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/07/2026 Issued: 09/07/2026 Tercile minimum temperature probabilities for August to October 2026  Below normal (%) Near normal (%) Above normal (%) www.bom.gov.au/climate © Commonwealth of Australia 2026, Australian Bureau of Meteorology

Part 2: Recent Ocean Observation

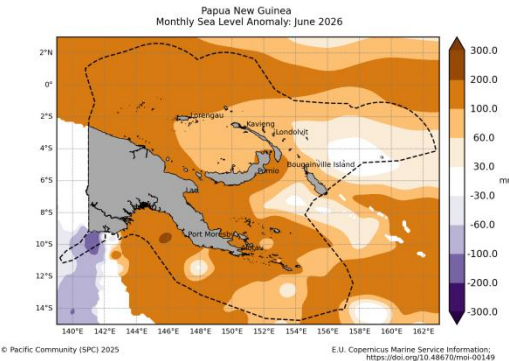
Monthly/Three months: June and April to June 2026

Monthly: June 2026

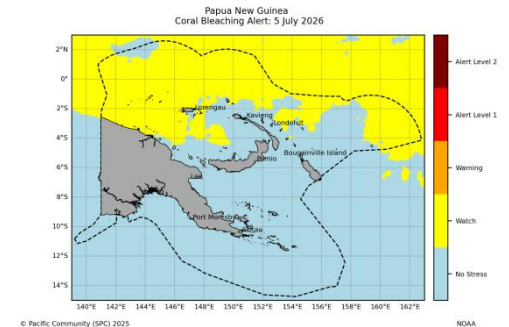
Sea Surface Temperature Anomaly (Image 1):



Sea level anomaly (Image 2):

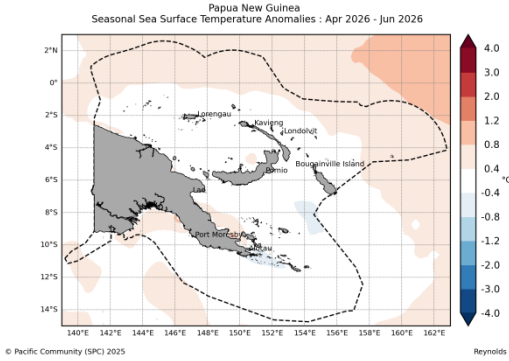


National daily coral bleaching alert (Image 3):

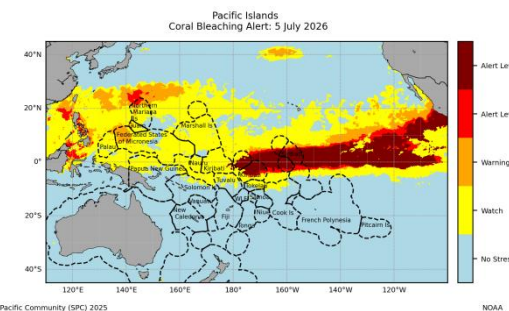


Last three months: April to June 2026

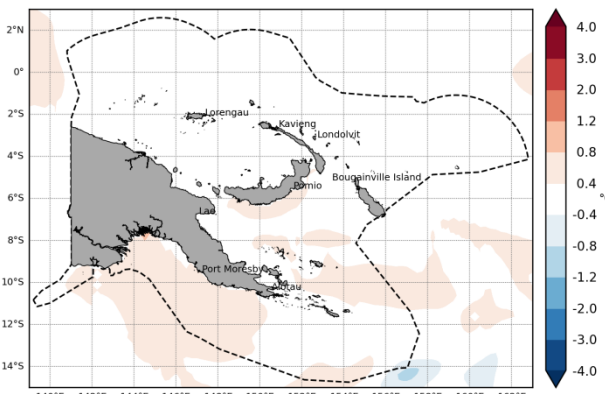
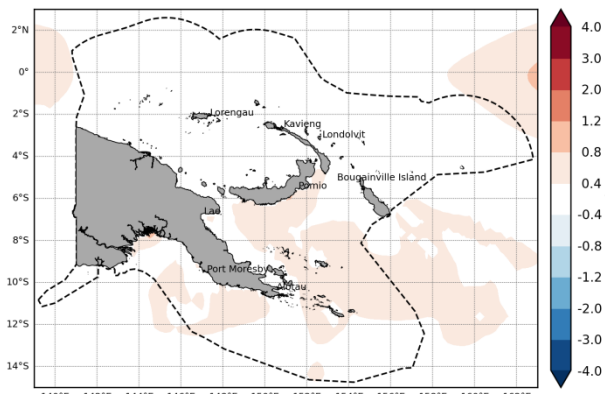
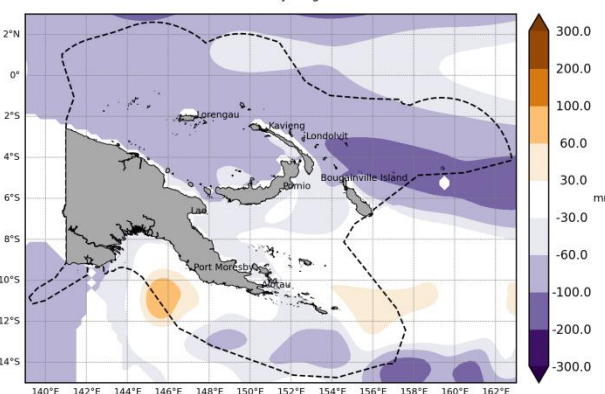
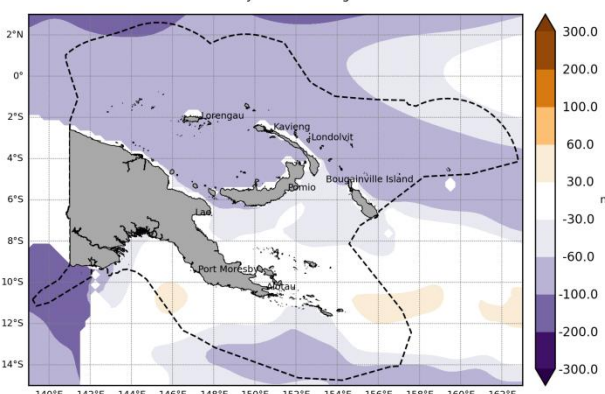
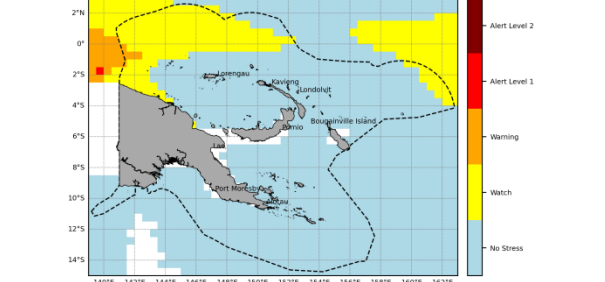
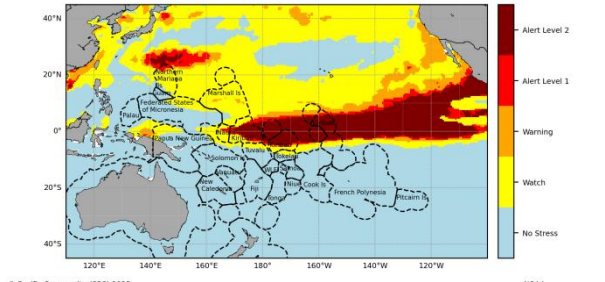
Sea Surface Temperature Anomaly (Image 4):



Pacific daily coral bleaching alert (Image 5):



Part 2i. Monthly and Seasonal Outlooks for August and August to October 2026

Monthly: August 2026	Seasonal: August to October 2026
Monthly sea surface temperature anomaly (Image 5):	Seasonal sea surface temperature anomaly (Image 6):
Papua New Guinea Monthly Sea Surface Temperature Anomalies: August 2026  © Pacific Community (SPC) 2025	Papua New Guinea Sea Surface Temperature Seasonal : Aug - Oct 2026  © Pacific Community (SPC) 2025
Monthly sea level anomaly (Image 7):	Seasonal sea level anomaly (Image 8):
Papua New Guinea Sea Level Anomaly: August 2026  © Pacific Community (SPC) 2025	Papua New Guinea Sea Level Anomaly Seasonal : Aug - Oct 2026  © Pacific Community (SPC) 2025
National 4-week Coral Bleaching Outlook (Image 9):	Pacific 4-week Coral Bleaching Outlook (Image 10):
Papua New Guinea 4 Week Coral Bleaching Outlook: 27 July 2026  © Pacific Community (SPC) 2025	Pacific Islands 4 Week Coral Bleaching Outlook: 27 July 2026  © Pacific Community (SPC) 2025

Summary Statement

Monthly and last three months: June/April to June 2026 statement

The rainfall for June was above-normal over New Guinea Islands region and below-normal over Madang, Nadzab, Goroka and Port Moresby. Port Moresby recorded its first driest May on record, while Madang and Goroka recorded their second and tenth driest May on record respectively.

For the past three months, rainfall was above-normal over Tokua which recorded its wettest April to June on record. Normal rainfall was observed over Goroka and Kavieng, while below-normal rainfall over Port Moresby which recorded its second driest April to June on record.

Part 1i. Monthly and Seasonal Outlooks for August and August to October 2026

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for August and August to October 2026 is likely or very likely to be below-normal across most of PNG, with a patch of above-normal rainfall expected over northern parts of Oro Province.

Maximum temperatures during August and August to October 2026 are likely or very likely to be above-normal over PNG.

Minimum temperatures averaged over August and August to October 2026 are likely or very likely to be above-normal over New Guinea Island, Momase, northern parts of the Highlands region and Western Province while near-normal to below-normal for rest of the country.

Part 2: Recent Ocean summary statement

Monthly and last three months: June/April to June 2026

June sea surface temperatures (SSTs) around PNG were -0.4 to 0.8°C (near-normal to above normal).

Averaged over April to June 2026, sea surface temperatures around PNG were -0.4 to 0.8°C (near normal to above normal).

June sea levels around PNG were 60 to 200 mm above-normal.

A coral bleaching Watch status is currently in effect for waters around Manus and New Ireland Provinces and waters for Vanimo and Wewak Provinces as of 5th July.

Part 2i. Monthly and Seasonal Outlooks for August and August to October 2026

Ocean Variable statement

August and August to October 2026 sea surface temperatures around PNG are predicted to be near-normal to above normal (-0.4 to +0.8°C).

August 2026 sea levels around PNG are predicted to be -100 to 30 mm from normal.

Averaged over August to October 2026, sea levels around PNG are predicted to be -60 to 30mm from normal.

In brief for Teleconference

- Rainfall ranged from below normal to above normal for June and April to June 2026.
- The rainfall outlook generally indicates below average most likely in August as well as total rainfall over August to October 2026.
- SSTs were near-normal to above normal for June and April to June 2026. The outlook shows near normal to above normal SSTs for the next one and three months.
- Sea levels were above normal for June. Below normal sea levels are predicted for August and August to October 2026.

TABLE 3: Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders (June 2026)

<i>Product</i>	<i>Stakeholder</i>	<i>Total Number of Participants</i>	<i>Number of Male</i>	<i>Number of Female</i>	<i>Disability</i>	<i>Age group</i>	<i>Comments (If there are comments from you Stakeholders)</i>
Ok Tedi Briefing	Private company	14	13	1			
Drought Watch	Private, Govt, NGOs, Consultants	252	195	57			
Ocean Outlook	Private, Govt, NGOs	209	161	48			
Climate data request	Private, Consultants	5	3	2			
Total		480	372	108			

Stakeholder category	Do your products reach this group? (Y/N)	Tailored product? (Y/N)
Agriculture sector	Y	
Disaster Risk Reduction sector	Y	
Energy sector	Y	
Health sector	Y	
Water sector	Y	
Fisheries and Aquaculture sector	Y	
Tourism sector	Y	
Maritime sector	Y	
Research & education sector	Y	
Women's [] organisations		
National disability organisations		
Community based organisations (e.g. councils)		
Products offered in local dialects/ languages	N	

Table 4: Impacts of Severe weather and climate events

Country:

ENSO Phase:

Synoptic Situation	Date	Type of Hazard	Impacts	Image	Latitude	Longitude	Sectors affected	No. of Deaths
El Nino conditions	June	Drought like conditions	Food gardens affected; Increased risk to food security	 <i>Farmers holding wilted and damaged crops</i> Source: https://www.thenational.com.pg/el-nino-signs-hit-highlands-drought-induced-conditions-threaten-food-security/	Highlands Region		Agriculture Communities Food security Water	
	June	Frost	Damage to crops and food gardens in high-altitude areas; Increased risk to food security	 <i>Frost covering vegetable plots.</i> Source: https://www.thenational.com.pg/el-nino-signs-hit-highlands-drought-induced-conditions-threaten-food-security/	Highlands Region		Agriculture Communities Food security	

	June	Drought like conditions	River levels dropping; Disrupting river transport; Affecting the supply of essential goods and service	 <i>Fly river</i> Source: https://www.nbc.com.pg/post/36821/essential-goods-run-low-in-kiunga-as-fly-river-water-levels-drop  <i>Sepik river tributary</i> Source: https://www.thenational.com.pg/water-level-at-sepik-river-receding-locals-affected/	Western Province & East Sepik Province		Communities Food security Transport Water	
	June	Water shortage	Reduced Sirinumu Dam level affecting water availability for hydroelectricity power generation, resulting in water conservation measures and power rationing	 <i>Sirinumu Dam</i> Source: https://www.thenational.com.pg/power-to-be-rationed-water-shortage-forces-load-shedding/	Port Moresby		Water Energy Urban communities	