

Country: Papua New Guinea

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	May-2026	Jun-2026	Jul-2026				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Momase Region							
Madang (1944-2026)		20.0		104.0	183.0	143.0	
Nadzab (1973-2026)	71.8	45.4	44.8	88.5	163.7	119.0	10/52
Wewak (1956-2026)				145.7	199.6	173.1	
Vanimo (1918-2026)				144.6	218.4	199.5	
Highlands Region							
Goroka (1948-2026)	56.0	27.8	0.0	42.4	71.0	55.0	1/65
New Guinea Islands Region							
Momote (1949-2026)				287.0	396.0	338.5	
Kavieng (1916-2026)	347.2	303.4	83.2	190.7	277.8	224.4	4/96
Tokua (1995-2026)	233.4	273.3	231.0	183.3	314.0	237.2	16/32
Southern Region							
Misima (1917-2026)				85.0	190.6	133.9	
Port Moresby (1875-2026)	2.4	0.0	0.4	5.1	24.9	13.2	8/127

TABLE 2: Three-month Total Rainfall for May to July 2026

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Momase Region						
Madang (1944-2026)			632.6	810.0	742.2	
Nadzab (1973-2026)	162.0	Below normal	276.0	373.0	323.8	6/50
Wewak (1894-2026)			532.3	678.5	629.7	
Vanimo (1918-2026)			562.2	685.5	606.6	
Highlands Region						
Goroka (1948-2026)	83.8	Below normal	200.0	258.9	232.0	1/59
New Guinea Islands Region						
Momote (1949-2026)			792.0	1013.5	895.0	
Kavieng (1917-2026)	733.8	Normal	633.2	820.0	716.7	50/93
Tokua (1995-2026)	737.7	Above normal	512.7	699.3	631.8	22/30
Southern Region						
Misima (1917-2026)			488.0	732.8	625.2	
Port Moresby (1875-2026)	2.8	Below normal	83.4	154.9	118.2	3/116

Part 1i. Monthly and Seasonal Outlooks for September and September to November 2026

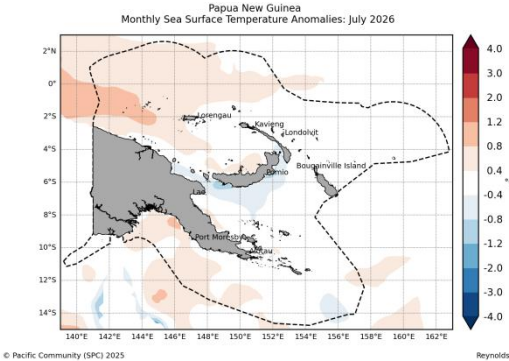
Monthly: September 2026	Seasonal: September to November 2026
Rainfall (Image 1)	Rainfall (Image 2)
Base period: 1981-2018 Model: ACCESS-S2 Model run: 09/08/2026 Issued: 13/08/2026 Tercile rainfall probabilities for September 2026 Below normal (%) Near normal (%) Above normal (%) www.bom.gov.au/climate © Commonwealth of Australia 2026, Australian Bureau of Meteorology	Base period: 1981-2018 Model: ACCESS-S2 Model run: 09/08/2026 Issued: 13/08/2026 Tercile rainfall probabilities for September to November 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: 09/08/2026 Issued: 13/08/2026 Tercile maximum temperature probabilities for September 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: 09/08/2026 Issued: 13/08/2026 Tercile maximum temperature probabilities for September to November 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: 10/08/2026 Issued: May not issued Tercile minimum temperature probabilities for September 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: 10/08/2026 Issued: May not issued Tercile minimum temperature probabilities for September to November 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

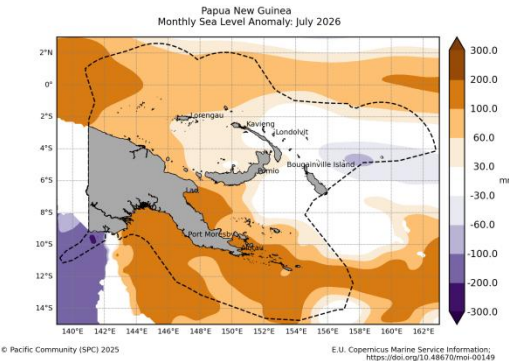
Monthly/Three months: July and May to July 2026

Monthly: July 2026

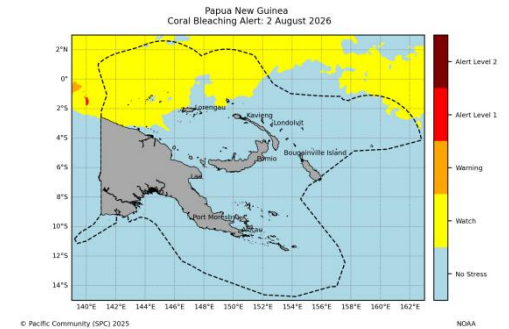
Sea Surface Temperature Anomaly (Image 1):



Sea level anomaly (Image 2):

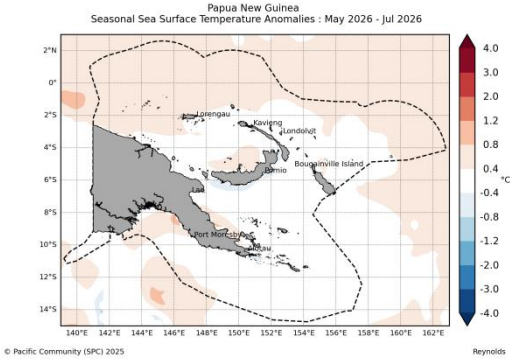


National daily coral bleaching alert (Image 3):

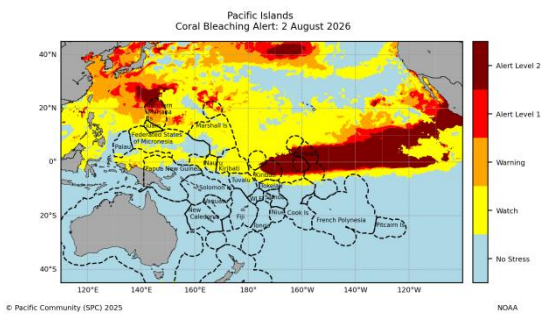


Last three months: May to July 2026

Sea Surface Temperature Anomaly (Image 4):



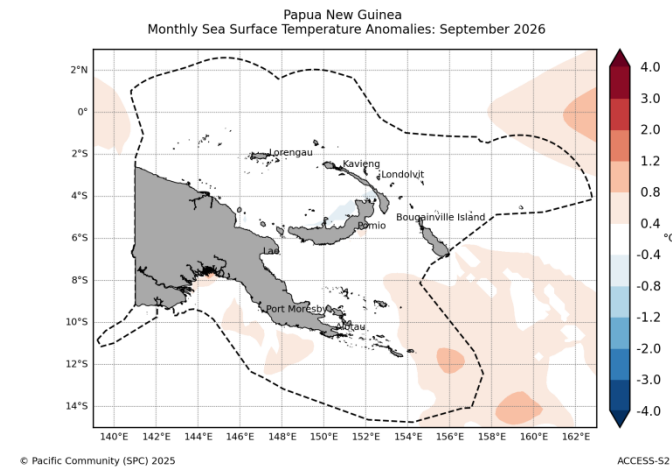
Pacific daily coral bleaching alert (Image 5):



Part 2i. Monthly and Seasonal Outlooks for September and September to November 2026

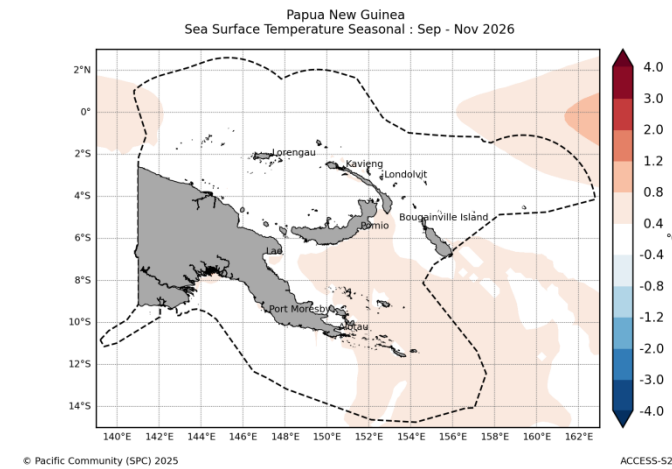
Monthly: September 2026

Monthly sea surface temperature anomaly (Image 5):

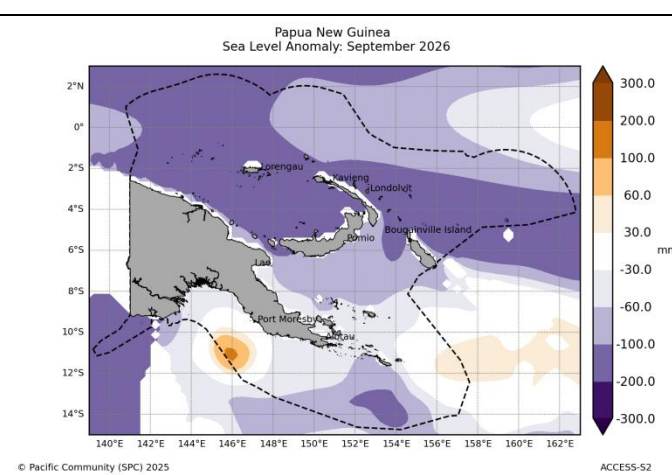


Seasonal: September to November 2026

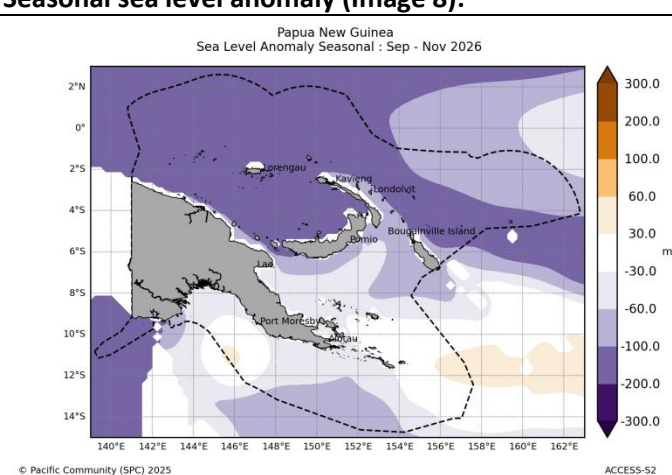
Seasonal sea surface temperature anomaly (Image 6):



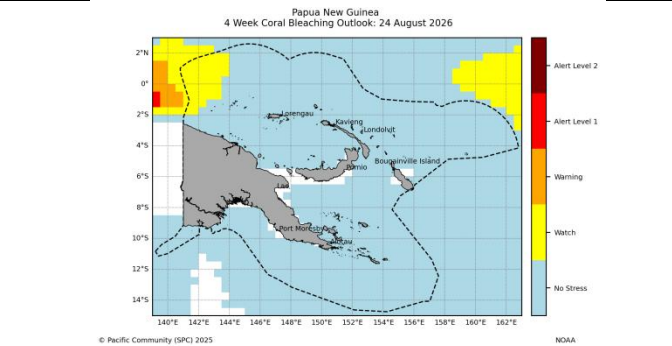
Monthly sea level anomaly (Image 7):



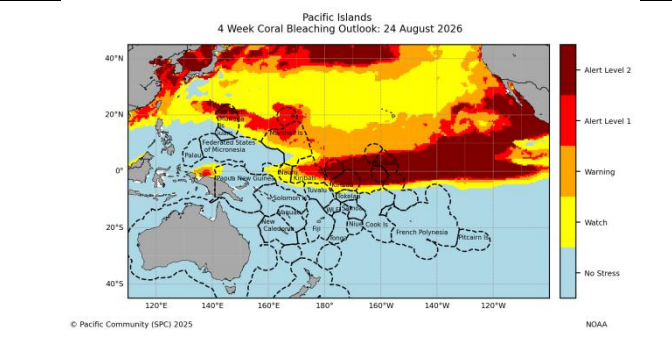
Seasonal sea level anomaly (Image 8):



National 4-week Coral Bleaching Outlook (Image 9):



Pacific 4-week Coral Bleaching Outlook (Image 10):



Summary Statement

Monthly and last three months: July/May to July 2026 statement

The rainfall for July was below-normal over Nadzab, Goroka, Kavieng and Port Moresby while normal rainfall over Tokua. Goroka recorded its first driest July on record, while Kavieng and Port Moresby recorded their fourth and eighth driest July on record respectively.

For the past three months, rainfall was above-normal over Tokua. Normal rainfall was observed over Kavieng, while below-normal rainfall over Nadzab, Goroka and Port Moresby. Goroka recorded its first driest May to July on record. Port Moresby and Nadzab recorded their third and sixth driest May to July on record respectively.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for September 2026 is likely or very likely to be below-normal across most of PNG.

The rainfall for September to November 2026 is likely or very likely to be below normal with patches of above-normal rainfall expected over Momase Region and northern parts of Oro Province.

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

Minimum temperatures averaged over September 2026 are likely or very likely to be below normal to above normal over PNG.

Minimum temperatures averaged over September to November 2026 are likely or very likely to be below normal, with patches of near normal over southern parts of the country.

Part 2: Recent Ocean summary statement

Monthly and last three months: July/May to July 2026

July sea surface temperatures (SSTs) around PNG were -0.8 to 1.2°C above-normal.

Averaged over September to November 2026, sea surface temperatures around PNG were -0.4 °C above normal.

July sea levels around PNG were 30 to 100 mm above-normal.

A coral bleaching Watch status is currently in effect for waters around Manus, Vanimo and Wewak Provinces as of 2nd August.

Part 2i. Monthly and Seasonal Outlooks for September and September to November 2026

Ocean Variable statement

September and September to November 2026 sea surface temperatures around PNG are predicted to be near-normal to 0.4°C above-normal.

September 2026 sea levels around PNG are predicted to be -100 to 60 mm above normal.

Averaged over September to November 2026, sea levels around PNG are predicted to be -30 to -100mm above normal.

Coral Bleaching outlook indicates Watch status for the next 4 weeks.

In brief for Teleconference

- Rainfall was below normal for July and May to July 2026.
- The rainfall outlook generally indicates below average most likely in September as well as total rainfall over September to November 2026.
- SSTs were –near-normal to above normal, with a patch of below normal for July and May to July 2026. The outlook shows near normal to above normal SSTs for the next one and three months.
- Sea levels were above normal for July. Below normal sea levels are predicted for September and September to November 2026.

TABLE 3: Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders (July 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			
Climate data request	Private, Govt, Consultants	10	7	3			
Total		276	215	61			

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

Table 4: Impacts of Severe weather and climate events

Country: PNG

ENSO Phase: El Nino

Synoptic Situation	Date	Type of Hazard	Impacts	Image	Latitude	Longitude	Sectors affected	No. of Deaths
El Nino conditions	July	Drought like conditions	Continued dry conditions damaged food gardens and dried water sources, affecting food security and community livelihoods.	 <i>Dried and damaged food garden</i> Source: https://www.thenational.com.pg/el-nino-dries-tufi-gardens-water-sources/	Northern Province		Agriculture Communities Food security Water	
	July	Drought like conditions	Continued dry conditions caused low water levels at water inlets and lagoons, affecting water availability, fisheries and the community livelihoods.	 <i>Lake Murray</i> Source: https://www.thenational.com.pg/water-inlets-in-westerns-middle-fly-dry-up/	Western Province		Communities Food security Water Fisheries	

	July	Drought like conditions	Continued dry conditions reduced Yonki Dam water levels, affecting water availability and hydropower generation	 Yonki Dam Source: https://www.thenational.com.pg/ehps-yonki-dam-drying-up-causes-concern/	Eastern Highlands Province		Water Energy Communities Agriculture Fisheries	
		Drought like conditions	Pogera Mine suspended operations due to the low water level at the Waile Creek Dam	 Pogera Mine Source: https://www.thenational.com.pg/pogera-ops-suspended-water-level-low-el-nino-hits-13-provinces/	Enga Province		Mining Water Resources Communities Economy	