

Country: Papua New Guinea

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2026	Jul-2026	Aug-2026				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Momase Region							
Madang (1944-2026)	20.0			64.0	142.8	100.5	
Nadzab (1973-2026)	45.4	44.8	77.2	80.8	159.4	112.8	17/53
Wewak (1956-2026)				116.0	208.8	143.8	
Vanimo (1918-2026)				138.7	196.2	167.3	
Highlands Region							
Goroka (1948-2026)	27.8	0.0	125.0	50.0	84.0	65.2	55/65
New Guinea Islands Region							
Momote (1949-2026)				197.5	330.0	274.0	
Kavieng (1916-2026)	303.4	83.2	13.8	158.7	249.9	204.9	3/93
Tokua (1995-2026)	273.3	231.0	114.0	154.0	207.6	173.4	5/32
Southern Region							
Misima (1917-2026)				75.2	157.8	107.2	
Port Moresby (1875-2026)	0.0	0.4	29.8	9.5	32.0	14.8	89/127

TABLE 2: Three-month Total Rainfall for June to August 2026

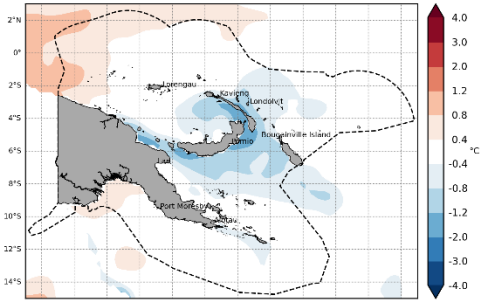
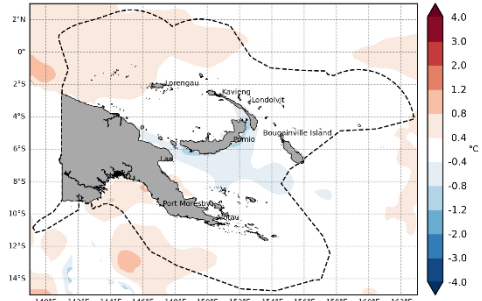
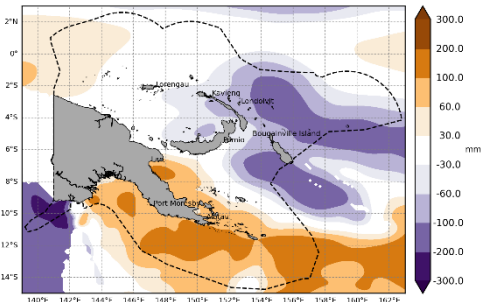
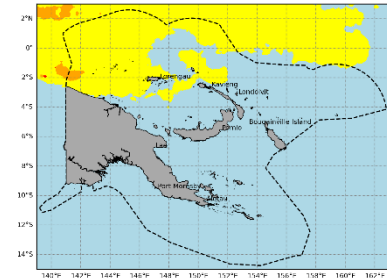
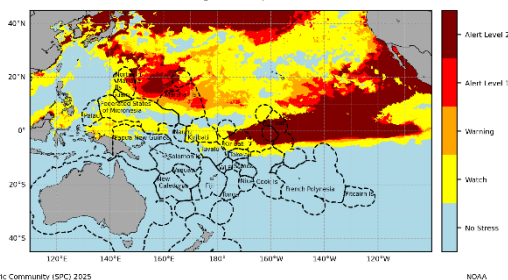
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Momase Region						
Madang (1944-2026)			403.2	546.9	473.0	
Nadzab (1973-2026)	167.4	Below normal	295.0	427.2	332.4	5/51
Wewak (1894-2026)			476.5	617.8	554.0	
Vanimo (1918-2026)			516.4	632.8	563.5	
Highlands Region						
Goroka (1948-2026)	152.8	Below normal	169.3	236.0	187.4	17/61
New Guinea Islands Region						
Momote (1949-2026)			742.2	1057.7	936.1	
Kavieng (1917-2026)	400.4	Below normal	565.7	776.5	697.4	7/93
Tokua (1995-2026)	618.3	Normal	523.2	703.9	637.4	16/32
Southern Region						
Misima (1917-2026)			341.3	548.0	481.8	
Port Moresby (1875-2026)	30.2	Below normal	56.4	109.0	87.0	17/113

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

Monthly: October 2026	Seasonal: October to December 2026
Rainfall (Image 1)	Rainfall (Image 2)
Tercile rainfall probabilities for October 2026 Base period: 1981-2018 Model: ACCESS-S2 Model run: 05/09/2026 Issued: 07/09/2026 Below normal (%) Near normal (%) Above normal (%) — — — EEZ border V11 (Flanders Marine Institute, 2019).	Tercile rainfall probabilities for October to December 2026 Base period: 1981-2018 Model: ACCESS-S2 Model run: 05/09/2026 Issued: 07/09/2026 Below normal (%) Near normal (%) Above normal (%) — — — EEZ border V11 (Flanders Marine Institute, 2019).
Monthly Maximum temperature (Image 3):	Seasonal maximum temperature (Image 4):
Tercile maximum temperature probabilities for October 2026 Base period: 1981-2018 Model: ACCESS-S2 Model run: 05/09/2026 Issued: 07/09/2026 Below normal (%) Near normal (%) Above normal (%) — — — EEZ border V11 (Flanders Marine Institute, 2019).	Tercile maximum temperature probabilities for October to December 2026 Base period: 1981-2018 Model: ACCESS-S2 Model run: 05/09/2026 Issued: 07/09/2026 Below normal (%) Near normal (%) Above normal (%) — — — EEZ border V11 (Flanders Marine Institute, 2019).
Monthly minimum temperature (Image 5):	Seasonal minimum temperature (Image 6):
Tercile minimum temperature probabilities for October 2026 Base period: 1981-2018 Model: ACCESS-S2 Model run: 05/09/2026 Issued: 07/09/2026 Below normal (%) Near normal (%) Above normal (%) — — — EEZ border V11 (Flanders Marine Institute, 2019).	Tercile minimum temperature probabilities for October to December 2026 Base period: 1981-2018 Model: ACCESS-S2 Model run: 05/09/2026 Issued: 08/09/2026 Below normal (%) Near normal (%) Above normal (%) — — — EEZ border V11 (Flanders Marine Institute, 2019).

Part 2: Recent Ocean Observation

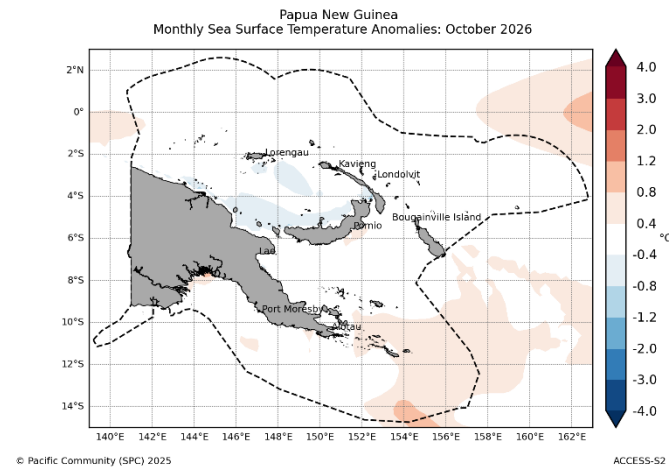
Monthly/Three months: August and June to August 2026

Monthly: August 2026	Last three months: June to August 2026
Sea Surface Temperature Anomaly (Image 1):	Sea Surface Temperature Anomaly (Image 4):
Papua New Guinea Monthly Sea Surface Temperature Anomalies: August 2026  © Pacific Community (SPC) 2025	Papua New Guinea Seasonal Sea Surface Temperature Anomalies : Jun 2026 - Aug 2026  © Pacific Community (SPC) 2025
Sea level anomaly (Image 2):	
Papua New Guinea Monthly Sea Level Anomaly: August 2026  © Pacific Community (SPC) 2025 E.U. Copernicus Marine Service Information: https://doi.org/10.486/97894901149	
National daily coral bleaching alert (Image 3):	Pacific daily coral bleaching alert (Image 5):
Papua New Guinea Coral Bleaching Alert: 8 September 2026  © Pacific Community (SPC) 2025 NOAA	Pacific Islands Coral Bleaching Alert: 8 September 2026  © Pacific Community (SPC) 2025 NOAA

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

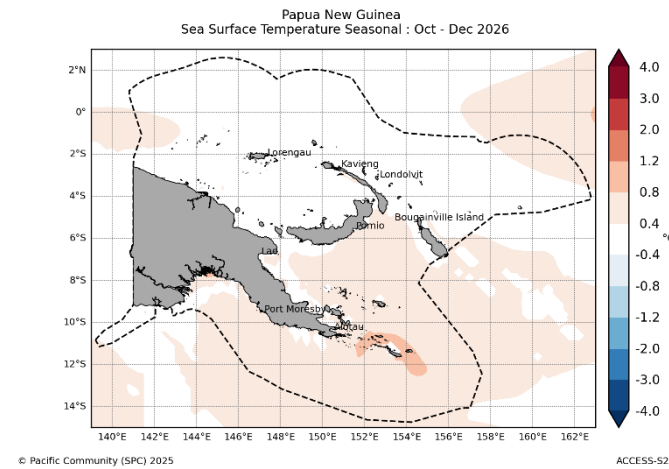
Monthly: October 2026

Monthly sea surface temperature anomaly (Image 5):

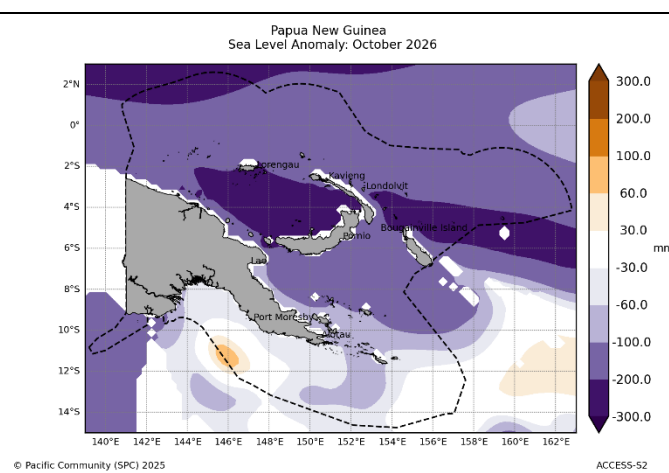


Seasonal: October to December 2026

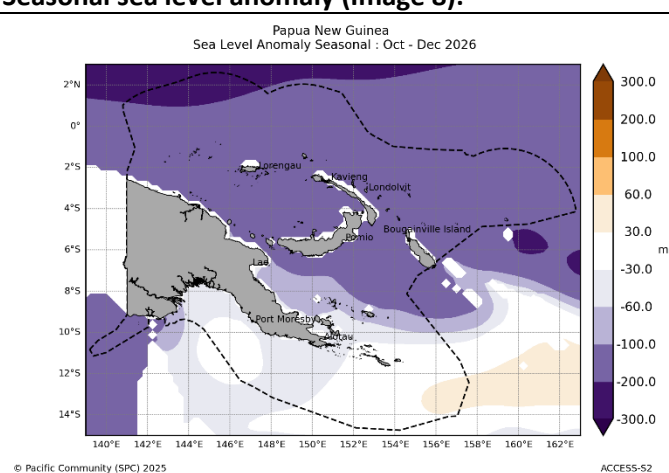
Seasonal sea surface temperature anomaly (Image 6):



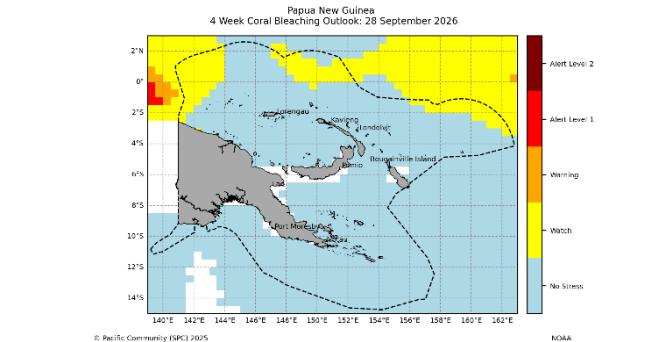
Monthly sea level anomaly (Image 7):



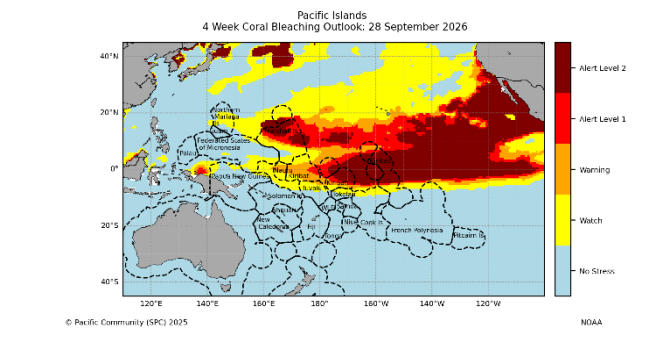
Seasonal sea level anomaly (Image 8):



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



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



Summary Statement

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

Rainfall in August was below normal over Nadzab, Kavieng, and Tokua, normal over Port Moresby, and above normal over Goroka. Kavieng and Tokua recorded their third and fifth driest August on record, respectively.

Over the past three months, rainfall was below normal over Nadzab, Goroka, Kavieng and Port Moresby. Normal rainfall was observed over Tokua. Nadzab and Kavieng recorded their fifth and seventh driest June to August on record, respectively.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for October 2026 is likely or very likely to be below normal across most of PNG, with patches of above normal expected over Madang and Oro Province.

Rainfall for October to December 2026 is likely or very likely to be above normal across much of the Momase Region and parts of the Highlands Region, New Ireland Province and Oro Province. Near normal to below normal rainfall is expected across most of the remaining parts of the country.

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

Minimum temperatures averaged over October 2026 are likely or very likely to be below normal across northern PNG and most parts of the Western Province. Near normal to above normal is expected across Hela Province, the border of West Sepik Province and Western Province and Southern parts of PNG.

Minimum temperatures averaged over October to December 2026 are likely or very likely to be below normal over PNG.

Part 2: Recent Ocean summary statement

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

August sea surface temperatures (SSTs) around PNG were 0.4 to 0.8°C below normal, -0.4 to 0.4°C near-normal and 0.4 to 1.2°C above-normal.

Averaged over June to August 2026, sea surface temperatures around PNG were 0.4 to 0.8°C below normal, -0.4 to 0.4°C near-normal and 0.4 to 0.8°C above normal.

August sea levels around PNG were 30 to 200 mm below normal, -30 to 30mm near-normal and 30 to 200mm above normal.

As of 8 September 2026, a coral bleaching **Watch** is in effect for waters around Manus, New Ireland, West and East Sepik Provinces, with a small area under **Warning** status north of West Sepik Province.

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

Ocean Variable statement

October 2026 sea surface temperatures around PNG are predicted to be 0.4 to 0.8°C below normal, -0.4 to 0.4°C near-normal and 0.4 to 0.8°C above-normal.

October to December 2026 sea surface temperatures around PNG are predicted to be -0.4 to 0.4°C near-normal to 0.4 to 0.8°C above normal.

October 2026 sea levels around PNG are predicted to be 30 to 300 mm below normal. Averaged over October to December 2026, sea levels around PNG are predicted to be 30 to 100 mm below normal.

The four-week coral bleaching outlook indicates **Watch** status for waters north of PNG.

In brief for Teleconference

- Rainfall was generally below normal across most of the reporting stations during August and June to August 2026, although Goroka recorded above-normal rainfall in August.
- The rainfall outlook indicates below normal rainfall across most of PNG for October 2026. For October to December, above normal rainfall is favoured across much of Momase and parts of the Highlands, New Ireland and Oro Provinces.
- SSTs ranged from below normal to above normal during August and June to August 2026. The outlook indicates near normal to above normal SSTs for October and October to December 2026.
- Sea levels ranged from below normal to above normal in August. The outlook generally favours below normal to slightly above normal sea levels during October and October to December 2026.

TABLE 3: Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders (August 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			
Seasonal Climate Outlook	Private, Govt, NGOs, Consultants	226	174	52			
Climate data request	Private, Govt, Consultants, International organisations	12	10	2			
Total		504	392	112			

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 Niño

Synoptic Situation	Date	Type of Hazard	Impacts	Image	Latitude	Longitude	Sectors affected	No. of Deaths
El Niño conditions	August	Prolonged dry conditions	Continued dry conditions continue to reduce water levels at the Sirinumu Dam, affecting water availability and hydropower generation	 <i>Sirinumu Dam</i> Source: https://www.thenational.com.pg/sirinumu-dam-drying-up/	National Capital District	National Capital District	Water Energy Communities	
El Niño conditions	August	Prolonged dry conditions and changing marine conditions	The changing marine conditions have affected fishing activities, fish availability, household income and the livelihoods of fishermen and vendors	 <i>Fish Vendor</i> Source: https://www.thenational.com.pg/fishermen-and-vendors-seeing-effects-of-el-nino/	Central Province	Central Province	Fisheries Markets Food security Communities	

El Niño conditions	August	Prolonged dry conditions	Low water levels in the Fly River restricted the use of some sections of the river for normal freight movements, creating logistical challenges for Ok Tedi Mine operations.	 <i>Ok Tedi Mine</i> Source: https://www.oktedi.com/2026/08/24/ok-tedi-statement-on-current-dry-weather-conditions-and-operations-2/	Western Province		Mining River transport Economy	
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