

Country: PNG

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	May-2025	Jun-2025	Jul-2025				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Momase Region							
Madang (1944-2025)				99.9	176.5	140.0	
Nadzab (1973-2025)	51.6	170.2	233.2	83.1	160.9	118.8	43/51
Wewak (1956-2025)	284.2	268.8	125.2	149.2	206.4	176.8	18/68
Vanimo (1918-2025)	223.4		334.4	147.3	219.3	201.2	66/70
Highlands Region							
Goroka (1948-2025)				42.8	71.7	55.0	
New Guinea Islands Region							
Momote (1949-2025)				288.9	397.9	338.5	
Kavieng (1916-2025)		204.2	332.2	180.6	276.7	219.2	81/95
Southern Region							
Misima (1917-2025)				84.8	188.4	131.8	
Port Moresby (1875-2025)	68.4	32.8	13.2	6.5	25.1	14.0	61/126

TABLE 2: Three-month Total Rainfall for May to July 2025

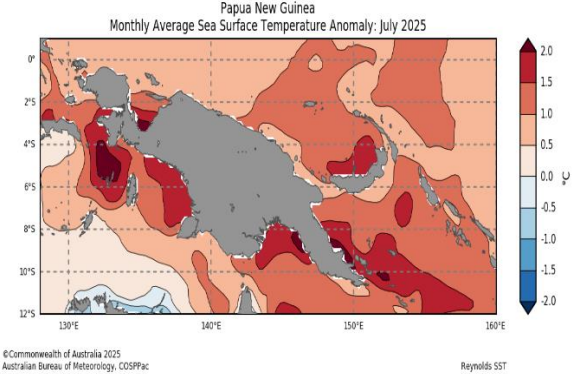
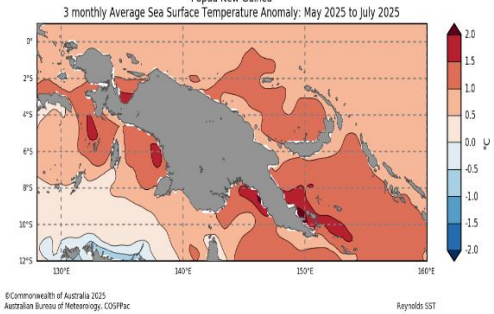
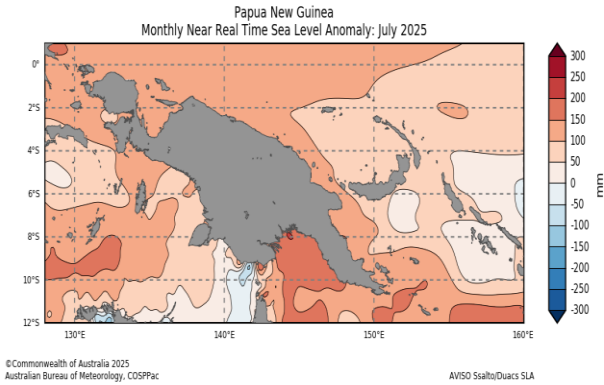
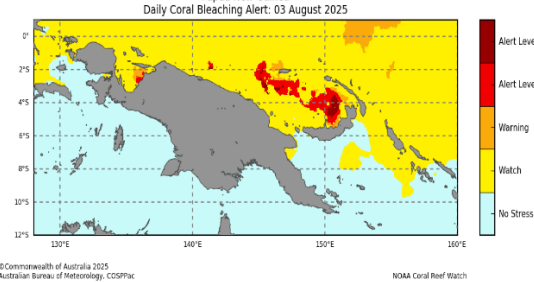
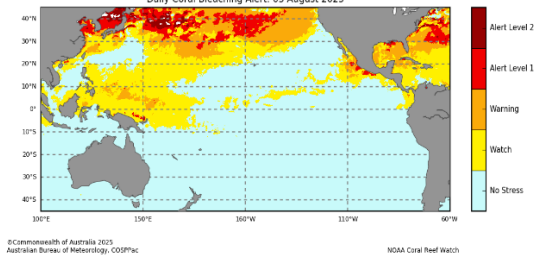
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Momase Region						
Madang (1944-2025)			636.1	813.3	743.2	
Nadzab (1973-2025)	455.0	Above normal	275.6	373.4	324.9	41/49
Wewak (1894-2025)	678.2	Normal	540.0	694.6	629.8	45/68
Vanimo (1918-20245)			572.6	683.2	605.6	
Highlands Region						
Goroka (1948-2025)			203.1	265.2	239.5	
New Guinea Islands Region						
Momote (1949-2025)			790.9	1017.0	898.1	
Kavieng (1917-2025)			635.8	783.5	713.5	
Southern Region						
Misima (1917-2025)			473.4	709.0	564.2	
Port Moresby (1875-2025)	114.4	Normal	86.2	159.0	119.8	52/115

Part 1i. Monthly and Seasonal Outlooks for September and September to November 2025

Monthly: September	Seasonal: September to November
Rainfall (Image 1)	Rainfall (Image 2)
<p>Tercile rainfall probabilities for September 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/08/2025 Issued: 06/08/2025</p> <p>EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Tercile rainfall probabilities for September to November 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/08/2025 Issued: 06/08/2025</p> <p>EEZ border V11 (Flanders Marine Institute, 2019).</p>
Monthly Maximum temperature (Image 3):	Seasonal maximum temperature (Image 4):
<p>Tercile maximum temperature probabilities for September 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/08/2025 Issued: 06/08/2025</p> <p>EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Tercile maximum temperature probabilities for September to November 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/08/2025 Issued: 06/08/2025</p> <p>EEZ border V11 (Flanders Marine Institute, 2019).</p>
Monthly minimum temperature (Image 5):	Seasonal minimum temperature (Image 6):
<p>Tercile minimum temperature probabilities for September 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/08/2025 Issued: 06/08/2025</p> <p>EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Tercile minimum temperature probabilities for September to November 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/08/2025 Issued: 06/08/2025</p> <p>EEZ border V11 (Flanders Marine Institute, 2019).</p>

Part 2: Recent Ocean Observation

Monthly/Three months: July and May to July 2025

<div>Monthly: July 2025</div> <div>Sea Surface Temperature Anomaly (Image 1):</div> <div><p>Papua New Guinea</p><p>Monthly Average Sea Surface Temperature Anomaly: July 2025</p><p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p><p>Reynolds SST</p></div>	<div>Last three months: May to July 2025:</div> <div>Sea Surface Temperature Anomaly (Image 4):</div> <div><p>Papua New Guinea</p><p>3 monthly Average Sea Surface Temperature Anomaly: May 2025 to July 2025</p><p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p><p>Reynolds SST</p></div>
<div>Sea level anomaly (Image 2):</div> <div><p>Papua New Guinea</p><p>Monthly Near Real Time Sea Level Anomaly: July 2025</p><p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p><p>AVISO SeaLtoDuoacs SLA</p></div>	
<div>National daily coral bleaching alert (Image 3):</div> <div><p>Papua New Guinea</p><p>Daily Coral Bleaching Alert: 03 August 2025</p><p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>	<div>Pacific daily coral bleaching alert (Image 3):</div> <div><p>Pacific Ocean</p><p>Daily Coral Bleaching Alert: 03 August 2025</p><p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>

Part 2i. Monthly and Seasonal Outlooks for September and September to November 2025

Monthly: September	Seasonal: September to November
<p>Monthly sea surface temperature anomaly (Image 5):</p> <p>Difference from average sea surface temperature forecast for September 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/08/2025 Issued: 06/08/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supplied by CSIRO</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Seasonal sea surface temperature anomaly (Image 6):</p> <p>Difference from average sea surface temperature forecast for September to November 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/08/2025 Issued: 06/08/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supplied by CSIRO</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>
<p>Monthly sea level anomaly (Image 7):</p> <p>Difference from average sea surface height forecast for September 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/08/2025 Issued: 06/08/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supplied by CSIRO</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Seasonal sea level anomaly (Image 8):</p> <p>Difference from average sea surface height forecast for September to November 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/08/2025 Issued: 06/08/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supplied by CSIRO</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>
<p>National 4-week Coral Bleaching Outlook (Image 9):</p> <p>Papua New Guinea 4 Weeks Coral Bleaching Outlook: 07 September 2025</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, CSIRO</p> <p>NOAA Coral Reef Watch</p>	<p>Pacific 4-week Coral Bleaching Outlook (Image 9):</p> <p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 07 September 2025</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, CSIRO</p> <p>NOAA Coral Reef Watch</p>

Summary Statement

Monthly and last three months: July 2025/May to July 2025 statement

The rainfall for July was below normal at Wewak, normal at Port Moresby and above normal in Nazab, Kavieng and Vanimu.

Rainfall for May to July was above normal over Nadzab and normal over Port Moresby and Wewak. Nadzab experienced 8 wettest July and May to July on its rainfall record.

Part 1i. Monthly and Seasonal Outlooks for September and September to November 2025

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for September is likely or very likely to be above normal across the PNG except, Kavieng, Madang, Vanimu and Wewak, the outlook shows September's rainfall is likely to be near normal to below normal.

The rainfall for September to November is likely or very likely to be above normal over PNG.

Maximum temperatures during September and September to October are likely or very likely to be above normal over PNG except southern parts of Western province which are likely to be near normal.

Minimum temperatures during September and September to November are likely to be above normal over PNG.

Part 2: Recent Ocean summary statement

Monthly and last three months: July 2025/May to July 2025

July sea surface temperatures (SSTs) around PNG were 0.5 to 2.0°C above normal.

Averaged over May to July, sea surface temperatures around PNG were 0.5 to 2.0°C above normal.

July sea levels around PNG were 50 to 150mm above normal.

A coral bleaching Watch in the northern waters of PNG and alert Level 1 and 2 are currently in effect for waters around West New Britain, Manus and Kavieng as of 3rd August.

Part 2i. Monthly and Seasonal Outlooks for September and September to November 2025

Ocean Variable statement

September sea surface temperatures around PNG are predicted to be 0.4 to 1.2°C above normal.

Averaged over September to November, sea surface temperatures around PNG are predicted to be 0.4 to 1.2°C above normal.

September sea levels around are predicted to be 30 to 100mm above normal.

Averaged over September to November, sea levels around PNG are predicted to be 30 to 60mm above normal.

Coral Bleaching outlook indicates Warning in the waters of East and West Sepik and Manus in the next 12 weeks.

In brief for Teleconference

- Rainfall was below normal to above normal for July and May to July, except Nadzab where rainfall was above normal for both periods.

- The rainfall outlook generally indicates near normal to above normal most likely in September and September to November.
- SSTs were above normal for July and May to July. The outlook shows above normal SSTs for the next one and three months.
- Sea levels were above normal for July. Above normal sea levels are predicted for September and September to November.
- Coral bleaching alert level 1 and 2 are in place for waters of Manus, Kavieng and West New Britain since 03rd August.

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

Product	Date: July 2025	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Disability	Age group	Comments (If there are comments from you Stakeholders)
Drought Update	24 th	Govt agencies,private companies NGOs, public	245	192	53			
Climate data request	All of July		5	4	1			
Total			250	196	54			