

Country: Papua New Guinea

Part 1: Recent climate

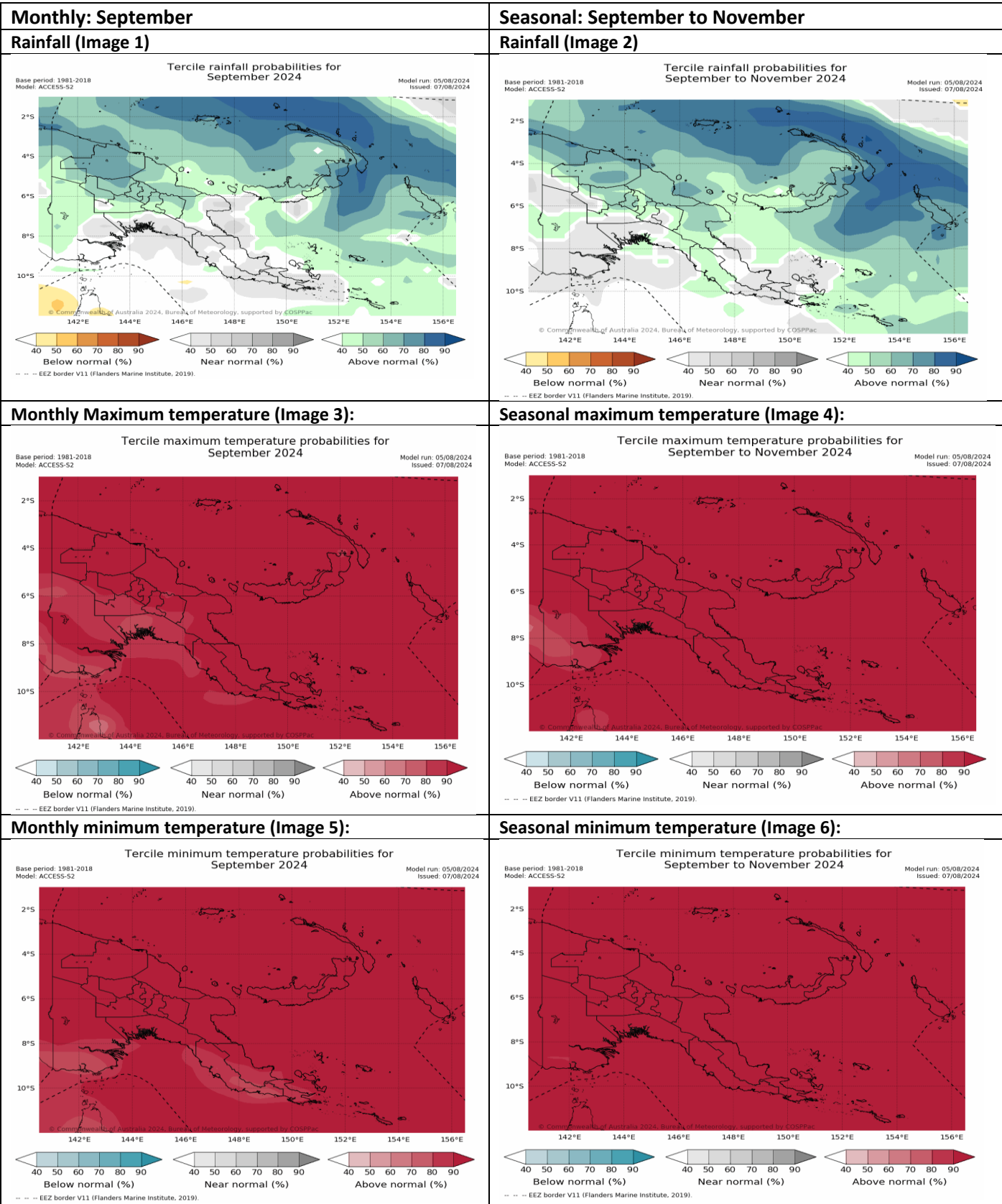
TABLE 1: Monthly Rainfall

Station (include data period)	May-2024	Jun-2024	Jul-2024				
	Total (mm)	Total (mm)	Total (mm)	33%tile	67%tile	Median	Rank
			Rainfall (mm)				
Momase Region							
Madang (1944-2024)				101.9	179.7	141.0	
Nadzab (1973-2024)	100.4	199.8	255.6	77.6	157.0	118.6	44/50
Wewak (1956-2024)	133.8	168.6		149.2	206.4	176.8	
Vanimo (1918-2024)				147.3	219.3	201.2	
Highlands Region							
Goroka (1948-2024)	154.5	51.6	110.2	42.6	70.8	55.0	55/61
New Guinea Islands Region							
Momote (1949-2024)				292.8	398.8	339.0	
Kavieng (1916-2024)	267.5	240.6	405.5	178.7	273.9	218.6	89/94
Southern Region							
Misima (1917-2024)				84.9	189.1	135.5	
Port Moresby (1875-2024)	45.2	15.8	1.0	6.7	25.3	14.1	10/125

TABLE 2: Three-month Total Rainfall for May to July 2024

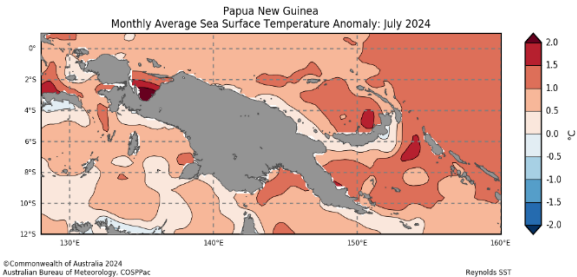
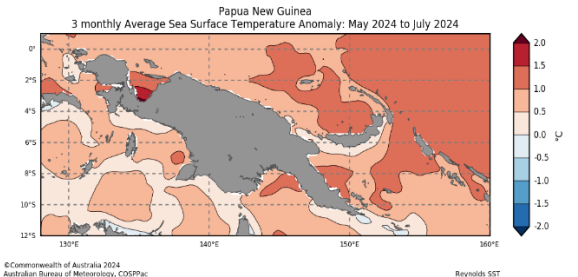
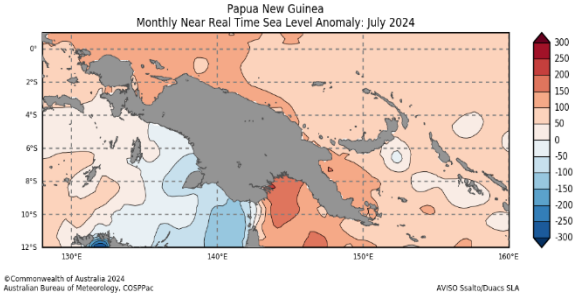
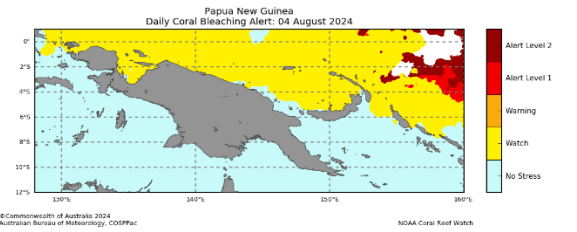
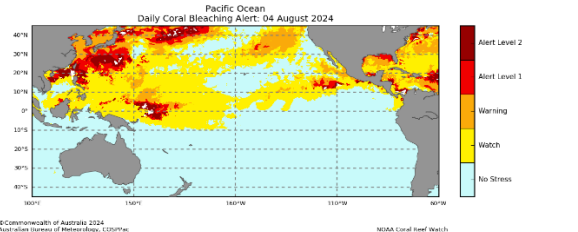
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Momase Region						
Madang (1944-2024)			636.1	813.3	743.2	
Nadzab (1973-2024)	555.8	Above normal	275.2	372.9	323.8	45/48
Wewak (1894-2024)			540.0	694.6	629.8	
Vanimo (1918-2024)			572.6	683.2	605.6	
Highlands Region						
Goroka (1948-2024)	316.3	Above normal	201.5	258.5	239.0	45/55
New Guinea Islands Region						
Momote (1949-2024)			790.9	1017.0	898.1	
Kavieng (1917-2024)	913.6	Above normal	635.6	782.9	709.8	78/92
Southern Region						
Misima (1917-2024)			473.4	709.0	564.2	
Port Moresby (1875-2024)	62.0	Below normal	87.5	163.2	120.1	20/114

Part 1i. Monthly and Seasonal Outlooks for September and September to November 2024



Part 2: Recent Ocean Observation

Monthly/Three months: July 2024 and May to July 2024

<div>Monthly: July 2024</div>	<div>Last three months: May to July 2024:</div>
<div>Sea Surface Temperature (Image 1):</div> <div><p>Papua New Guinea Monthly Average Sea Surface Temperature Anomaly: July 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p><p>Reynolds SST</p></div>	<div>Sea Surface Temperature (Image 4):</div> <div><p>Papua New Guinea 3 monthly Average Sea Surface Temperature Anomaly: May 2024 to July 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p><p>Reynolds SST</p></div>
<div>Sea level (Image 2):</div> <div><p>Papua New Guinea Monthly Near Real Time Sea Level Anomaly: July 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p><p>AVISO SeaWiFS SLA</p></div>	
<div>Daily coral bleaching alert (Image 3):</div> <div><p>Papua New Guinea Daily Coral Bleaching Alert: 04 August 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>	<div><p>Pacific Ocean Daily Coral Bleaching Alert: 04 August 2024</p><p>©Commonwealth of Australia 2024 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 2024

Monthly: September	Seasonal: September to November
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):
<div><p>Difference from average sea surface temperature forecast for September 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 05/08/2024 Issued: 07/08/2024</p><p>© Commonwealth of Australia 2024, Bureau of Meteorology, supplied by CSIRO --- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>	<div><p>Difference from average sea surface temperature forecast for September to November 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 05/08/2024 Issued: 07/08/2024</p><p>© Commonwealth of Australia 2024, Bureau of Meteorology, supplied by CSIRO --- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>
Monthly sea level (Image 7):	Seasonal sea level (Image 8):
<div><p>Difference from average sea surface height forecast for September 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 05/08/2024 Issued: 07/08/2024</p><p>© Commonwealth of Australia 2024, Bureau of Meteorology, supplied by CSIRO --- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>	<div><p>Difference from average sea surface height forecast for September to November 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 05/08/2024 Issued: 07/08/2024</p><p>© Commonwealth of Australia 2024, Bureau of Meteorology, supplied by CSIRO --- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>
4-week Coral Bleaching (Image 9):	
<div><p>Papua New Guinea 4 Weeks Coral Bleaching Outlook: 11 August 2024</p><p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, CSIRO NOAA Coral Reef Watch</p></div>	<div><p>Pacific Ocean Daily Coral Bleaching Alert: 04 August 2024</p><p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, CSIRO NOAA Coral Reef Watch</p></div>

## Summary Statement

### Monthly and last three months: July 2024/May to July 2024 statement

The rainfall in the last one and three months was above normal over Kavieng, Goroka and Nadzab while below normal over Port Moresby.

Kavieng recorded its sixth wettest July while Goroka and Nadzab recorded seventh wettest July on record. In the last three months, Nadzab recorded its fourth wettest May to July on record.

## Part 1i. Monthly and Seasonal Outlooks for September and September to November 2024

### Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for September and September to November is very likely to be above normal over Papua New Guinea islands while like to be above normal elsewhere except for Gulf, Central, Milne Bay and Oro region where rainfall is likely to be near-normal.

Maximum and minimum temperatures during September and averaged for September to November are very likely to be above normal over PNG.

## Part 2: Recent Ocean summary statement

### Monthly and last three months: July 2024/May to July 2024

July ocean temperatures around PNG were 0.5 to 1.5 °C above normal.

Averaged over May to July, ocean temperatures around PNG were 0.5 to 1.0°C above normal.

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

There is a coral bleaching watch for northern waters of PNG.

## Part 2i. Monthly and Seasonal Outlooks for September and September to November 2024

### Ocean Variable statement

September and averaged over September to November Ocean temperatures around PNG are predicted to be 0.4 to 1.2°C above normal.

September and September to November, sea levels around PNG are predicted to be -30mm to 30mm near normal

### IN BRIEF for Teleconference

- Rainfall was mostly above normal for July and May to July.
- The September and September to November rainfall outlook is very likely to be above normal over majority of PNG.
- SSTs were above normal for July and May to July. The outlook shows above normal SSTs for the next one and three months.
- Sea-surface heights (SSH) were above normal for July. Near-normal sea surface heights are predicted for September and September to November.

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

Product	Date: July 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Disability	Age group	Comments (If there are comments from you Stakeholders)
Excursions/ visitations	All of July	Church, school/ partners agencies	85	27	58	-	All age groups	
Drought Update	26 <sup>th</sup>	NGOs, Consultants, Construction Companies, Govt Agencies, Companies, General Public	219	178	41		Age 20 and above	Redistributed by provincial disaster coordinators
Climate data request	All of July	Consultants & company	2	2			45-60	
<b>Total</b>			<b>306</b>	<b>207</b>	<b>99</b>			