

Country: Vanuatu

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2024	Jul-2024	Aug-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2024)	413.3	320.2	101.8	139.0	263.5	190.7	13/51
Pekoa (1971-2024)	86.4	94.6	85.7	61.1	112.5	81.2	28/53
Lamap (1961-2022)				49.3	92.3	67.6	
Southern Region							
Bauerfield (1972-2024)	45.0	130.0	43.8	48.3	99.2	66.8	15/52
Port Vila (1953-2024)			71.0	48.5	93.0	76.8	34/72
Whitegrass (1972-2024)	7.7	34.0	10.4	23.7	56.7	31.5	10/53
Aneityum (1952-2024)	5.3	51.7	49.2	72.5	138.8	103.8	17/73

TABLE 2: Three-month Total Rainfall for June to August 2024

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Northern Region						
Sola (1971-2024)	835.3	Normal	592.3	1017.9	777.3	29/49
Pekoa (1971-2024)	266.7	Normal	244.1	492.3	395.4	21/53
Lamap (1961-2024)			230.2	339.7	285.0	
Southern Region						
Bauerfield (1972-2024)	218.8	Below normal	254.6	373.5	328.4	15/52
Port Vila (1953-2024)			238.4	403.0	306.4	
Whitegrass (1972-2024)	52.1	Below normal	136.3	230.8	164.4	4/52
Aneityum (1952-2024)	106.2	Below normal	307.9	438.4	382.6	1/73

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2024

Monthly: October	Seasonal: October to December
Rainfall (Image 1)	Rainfall (Image 2)
<p>Tercile rainfall probabilities for October 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>13°S 14°S 15°S 16°S 17°S 18°S 19°S</p> <p>167°E 168°E 169°E 170°E</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Tercile rainfall probabilities for October to December 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>13°S 14°S 15°S 16°S 17°S 18°S 19°S</p> <p>167°E 168°E 169°E 170°E</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</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 October 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>13°S 14°S 15°S 16°S 17°S 18°S 19°S</p> <p>167°E 168°E 169°E 170°E</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Tercile maximum temperature probabilities for October to December 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>13°S 14°S 15°S 16°S 17°S 18°S 19°S</p> <p>167°E 168°E 169°E 170°E</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</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 October 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>13°S 14°S 15°S 16°S 17°S 18°S 19°S</p> <p>167°E 168°E 169°E 170°E</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Tercile minimum temperature probabilities for October to December 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>13°S 14°S 15°S 16°S 17°S 18°S 19°S</p> <p>167°E 168°E 169°E 170°E</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>

Part 2: Recent Ocean Observation

Monthly/Three months: August 2024 and June to August 2024

Monthly: August 2024	Last three months: June to August 2024:
Sea Surface Temperature (Image 1):	Sea Surface Temperature (Image 4):
<div><p>Vanuatu Monthly Average Sea Surface Temperature Anomaly: August 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p><p>Reynolds SST</p></div>	<div><p>Vanuatu 3 monthly Average Sea Surface Temperature Anomaly: June 2024 to August 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p><p>Reynolds SST</p></div>
Sea level (Image 2):	
<div><p>Vanuatu Monthly Near Real Time Sea Level Anomaly: August 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p><p>AVISO SeaWiFS/Duacs SLA</p></div>	
Daily coral bleaching alert (Image 3):	
<div><p>Vanuatu Daily Coral Bleaching Alert: 03 September 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 October and October to December 2024

<div>Monthly: October</div> <div>Monthly sea surface temperature (Image 5):</div> <div><p>Difference from average sea surface temperature forecast for October 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 04/09/2024</p><p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>	<div>Seasonal: October to December</div> <div>Seasonal sea surface temperature (Image 6):</div> <div><p>Difference from average sea surface temperature forecast for October to December 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 04/09/2024</p><p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>
<div>Monthly sea level (Image 7):</div> <div><p>Difference from average sea surface height forecast for October 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 04/09/2024</p><p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>	<div>Seasonal sea level (Image 8):</div> <div><p>Difference from average sea surface height forecast for October to December 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 04/09/2024</p><p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>
<div>4-week Coral Bleaching (Image 9):</div> <div><p>Vanuatu 4 Weeks Coral Bleaching Outlook: 29 September 2024</p><p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>	

Summary Statement

Monthly and last three months: August 2024/June to August 2024 statement

The rainfall for August was below normal at Sola, Bauerfield, Whitegrass and Aneityum, and near-normal at Pekoa and Port Vila.

The three-month rainfall for June to August was below normal in the Southern Region, and near-normal in the Northern Region. Aneityum and Whitegrass posted their driest and fourth driest June to August periods on record, respectively.

Data for Lamap was not available.

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for October and over October to December is *likely* to be above normal across most of the country, except for parts of Torba Province where near-normal rainfall is likely.

Maximum and minimum temperatures during October, and averaged over October to December, are very likely to be above normal over the whole country.

Part 2: Recent Ocean summary statement

Monthly and last three months: August 2024/June to August 2024

August and averaged over June to August, ocean temperatures around Vanuatu were utmost 1.0°C above normal.

August sea levels around Vanuatu were 0 to 50mm near normal to 50mm to 150mm above normal.

Part 2i. Monthly and Seasonal Outlooks for October and October to December 2024

Ocean Variable statement

October ocean temperatures around Vanuatu are predicted to be 0.4 to 1.2°C above normal.

Averaged over October to December, ocean temperatures around Vanuatu are predicted to be 0.8 to 1.2°C above normal.

October and averaged over October to December sea levels around Vanuatu are predicted to be near-normal.

IN BRIEF for Teleconference

- Rainfall was near-normal to below normal for August, and over June to August.
- Rainfall is likely to be above normal for both October and the October to December period.
- SSTs were generally above normal for August and June to August. The outlook also shows above normal SSTs for the next one and three months.
- Sea-surface heights (SSH) were near normal to above normal for August. Near-normal sea surface heights are predicted for October and October to December.

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

Product	Date: August 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Disability	Age group	Comments (If there are comments from you Stakeholders)
Climate Bulletin	6 th	Tourism sector	Over 400					<ul style="list-style-type: none"> Bulletin circulated through emails to Tourism sector contact persons and responded bulletin is then circulated within the 5 respective divisions and 6 provincial offices Sector contact person acknowledge emails Social media: 276
	6 th	Fisheries sector	Over 400					<ul style="list-style-type: none"> Bulletin circulated through emails to Fisheries sector contact persons and responded bulletin is then circulated within the 6 respective divisions and all fisher groups over 100 fishermen Sector contact person acknowledge emails Social media: 137
	21 st	Vanuatu Climate Update	1178					<ul style="list-style-type: none"> 102 participants receive VCU through email and over 10 acknowledge the circulation of important updates Social media: 1076
EAR Watch								
Monthly Climate Briefing		CCC, vmgd, SPREP, VanKir ap.	9	7	2			
Ocean Outlook		VMGD Website/Soci al Media engagement	587					
	5 th	Ministry of Health	4	2	2			

Climate data request	12 th	Research student						
	23 rd	ADB						
	26 th	Ministry of Health - WHO						
Information Outreach program	13 th	Seaside community	31	8	21	2	15 - 70	
	16 th	USP	186	88	98			
	19 th	Ohlen 75 community	59	31	28		11 -72	
	20 th	Freswota 4 community	26	20	6			
	22 rd	Pango	16	13	3		33 - 70	
		Public Service Commission Day	Over 800					
Total			2096	169	160	2		