# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 179

**Country: Vanuatu** 

Part 1: Recent climate

**TABLE 1: Monthly Rainfall** 

Station (include data period)	May- 2022	Jun-2022	Jul-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				- Kalik
Northern Region							
Sola (1971-2022)	489.8	622.2	196.8	167.7	313.1	243.9	19/48
Pekoa (1971-2022)	172.7	292.9	117.4	60.0	111.8	80.3	36/52
Lamap (1961-2022)	215.5	218.5	172.5	57.9	116.0	74.9	50/61
Southern Region							
Bauerfield (1972-2022)	326.7	219.7	272.7	45.8	86.3	61.4	50/50
Port Vila (1953-2022)	231.0	286.5	266.0	49.5	120.1	70.3	69/70
Whitegrass (1972-2022)	372.5	119.0	84.0	24.0	57.6	37.4	40/50
Aneityum (1952-2022)	629.2	126.7	277.0	77.0	140.0	101.0	67/71

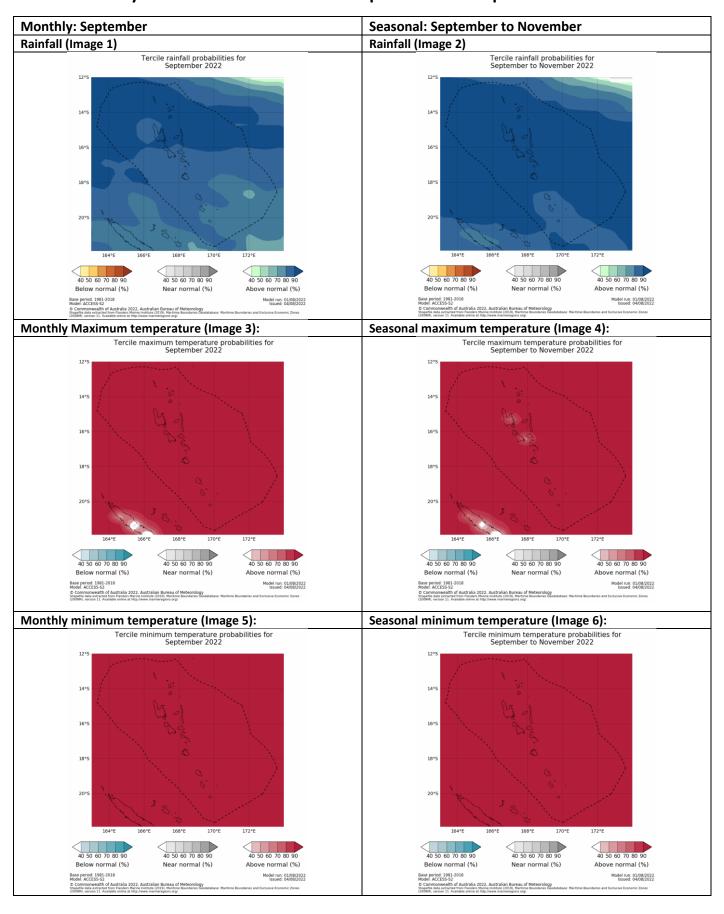
**TABLE 2: Three-month Total Rainfall for May to July 2022** 

Station	Three	-month Total	33%tile	67%tile	Median	Rank	
	Rainfall (mm)						
Northern Region							
Sola (1971-2022)	1308.8	Above normal	748.7	1181.2	923.8	39/47	
Pekoa (1971-2022)	pa (1971-2022) 583.0 Above norr		321.1	553.3	462.6	37/52	
Lamap (1961-2022)	606.5	Above normal	308.9	450.8	374.6	51/61	
Southern Region							
Bauerfield (1972-2022)	819.1	Above normal	306.3	516.6	403.7	49/50	
Port Vila (1953-2022)	783.5	Above normal	292.3	477.4	388.8	66/69	
Whitegrass (1972-2022)	575.5	Above normal	163.8	258.1	214.8	50/50	
Aneityum (1952-2022)	1032.9	Above normal	358.3	517.9	434.7	69/70	

 $Very \ Low: \ X < 0.0 \\ Low: \ 0 \le X < 5 \\ Moderate \ 5 \le X < 10 \\ Good: \ 10 \le X < 15 \\ High: \ 15 \le X < 25 \\$ 

Very High:  $25 \le X < 35$  Exceptional:  $X \ge 35$ 

## Part 1i. Monthly and Seasonal Outlooks for September and September to November 2022



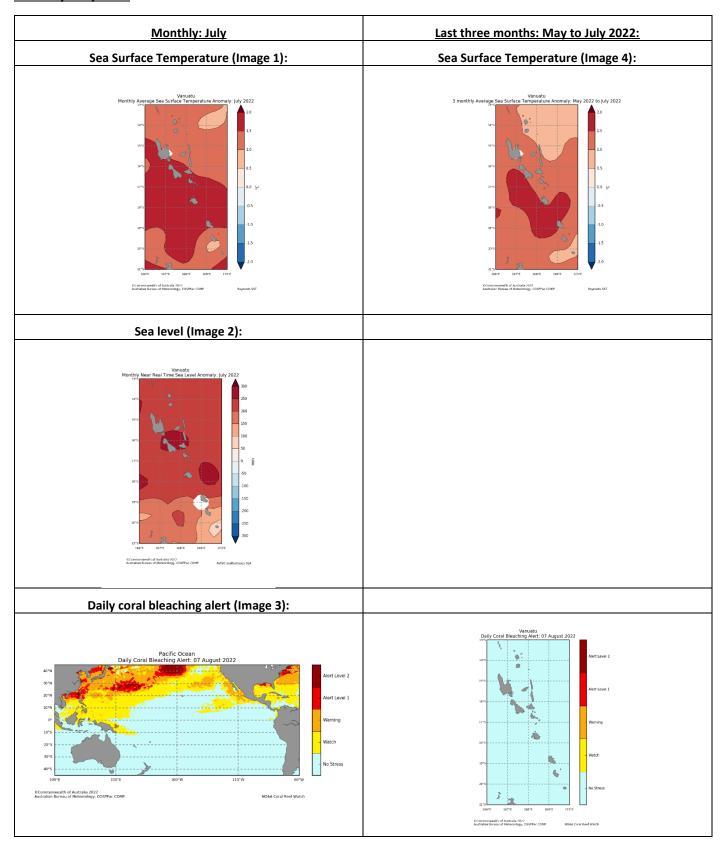
#### NB: The X LEPS % score has been categorised as follows:

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Very High: 25 ≤X < 35 Exceptional: X ≥ 35

## **Part 2: Recent Ocean Observation**

### Monthly: July 2022

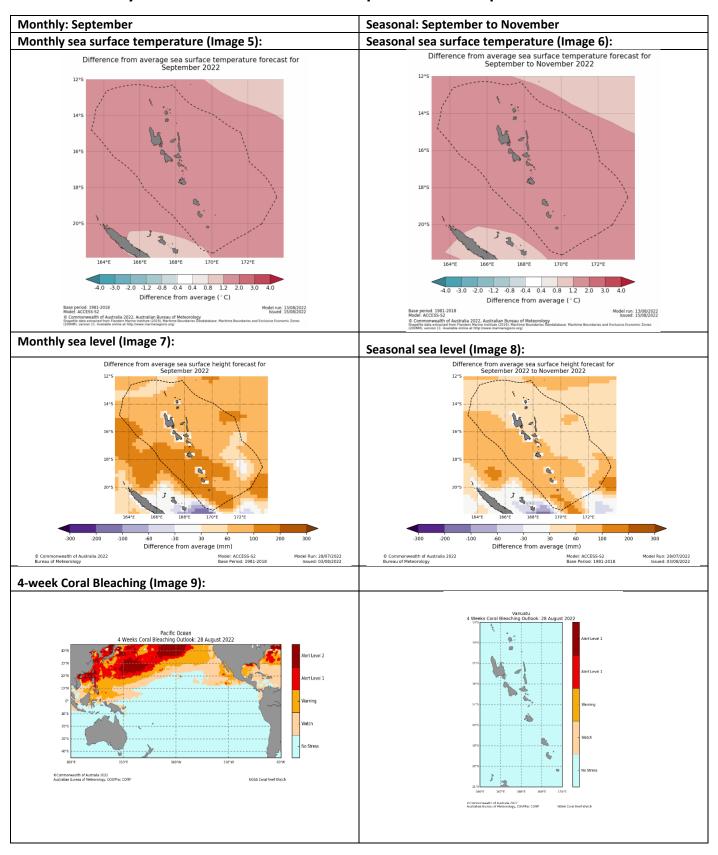


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Very Low: X < 0.0 Low:  $0 \le X < 5$  Moderate  $5 \le X < 10$  Good:  $10 \le X < 15$  High:  $15 \le X < 25$ 

Very High:  $25 \le X < 35$  Exceptional:  $X \ge 35$ 

## Part 2i. Monthly and Seasonal Outlooks for September and September to November 2022



#### NB: The X LEPS % score has been categorised as follows:

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Very High: 25 ≤X < 35 Exceptional: X ≥ 35

## **Summary Statement**

### Monthly and last three months: July 2022/May to July 2022 statement (Highly significant changes)

Above normal rainfall was recorded at all stations (Pekoa, Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum), except for Sola where normal rainfall was recorded. Bauerfield recorded its wettest July in 50 years, while Port Vila recorded its second wettest, and Aneityum recorded its 5<sup>th</sup> wettest.

For the May to July period, all stations recorded above normal rainfall, especially in the Southern Region where Whitegrass had its highest rain for the period, Bauerfield and Aneityum their second highest, and Port Vila its fourth highest.

## Part 1i. Monthly and Seasonal Outlooks for September and September to November 2022

#### Monthly /Seasonal rainfall and temperature Outlook statements (Highly significant changes)

Above normal rainfall and above average maximum and minimum temperatures are very likely for the Vanuatu group in September, and the September to November period.

## Part 2: Recent Ocean summary statement

#### Monthly and last three months: July/May to July 2022 (Highly significant changes)

Majority of the Vanuatu group experienced above normal SSTs anomaly for July and the last three month and above normal sea level for July. Significant above average SSTs of 1.5 to 2.0 degrees Celsius were over parts of the Sanma, Malampa, Shefa and Tafea province in July. Significant sea level anomalies of 250 to 300 mm were located over parts of Sanma, Penama and Malampa provinces.

Coral bleaching alert reveals no thermal stress for Vanuatu.

## Part 2i. Monthly and Seasonal Outlooks for September and September to November 2022

#### Ocean Variable statement (Highly significant changes)

The monthly and seasonal outlook for the Vanuatu archipelago shows a significant SST difference of 1.2-2.0°C. While sea surface height forecast shows above average difference of 60 to 200 mm.

Coral bleaching outlook reveals no thermal stress for Vanuatu.

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

Product	Date: July 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Vanuatu Climate Update	20 <sup>th</sup>	VMGD-Van-KIRAP Staffs, Oxfam Vanuatu, Action Aid Vanuatu, University of the South Pacific (USP), Vanuatu Statistics Office, SPREP, Vanuatu National Disaster Management Office (NDMO), Media-Vanuatu, Vanuatu Red Cross Society, Matevulu College, Onesua Presbyterian College, Aore Adventist College, Tafea College, CSU, Vanuatu Care International, Save the Children Vanuatu, UNDP, Shefa Education, Live & Learn, UN-Women, Vanuatu Christian Council (VCC), GCF Private Consultants, Vanuatu Society of People Living with Disability, Unelco Vanuatu, World Health Organization, Vanuatu Meteorology & Geo-Hazards Department (Staffs), General Public (Website and VMGD Call-Center).	206	104	102
Early Action Rainfall (EAR) Watch	20 <sup>th</sup>	VMGD-Van-KIRAP Staffs, Oxfam Vanuatu, Action Aid Vanuatu, University of the South Pacific (USP), Vanuatu Statistics Office, SPREP, Vanuatu National Disaster Management Office (NDMO), Media-Vanuatu, Vanuatu Red Cross Society, Matevulu College, Onesua Presbyterian College, Aore Adventist College, Tafea College, CSU, Vanuatu Care International, Save the Children Vanuatu, UNDP, Shefa Education, Live & Learn, UN-Women, Vanuatu Christian Council (VCC), GCF Private Consultants, Vanuatu Society of People Living with Disability, Unelco Vanuatu, World Health Organization, Vanuatu Meteorology & Geo-Hazards Department (Staffs), General Public (Website and VMGD Call-Center).	206	104	102
Vanuatu Ocean Outlook	20 <sup>th</sup>	Van-KIRAP Staffs, Malampa Live & Learn Staffs, CSU Staffs, USP Staffs (Fiji) and NDMO Sanma and Sola Office VMGD-Van-KIRAP Staffs, Oxfam Vanuatu, Action Aid Vanuatu, University of the South Pacific (USP), Vanuatu Statistics Office, SPREP, Vanuatu National Disaster Management Office (NDMO), Media-Vanuatu, Vanuatu Red Cross Society, Matevulu College, Onesua Presbyterian College, Aore Adventist College, Tafea College, CSU, Vanuatu Care International, Save the Children Vanuatu, UNDP, Shefa Education, Live & Learn, UN-Women, Vanuatu Christian Council (VCC), GCF Private Consultants, Vanuatu Society of People Living with Disability, Unelco Vanuatu, World Health Organization, Vanuatu Meteorology & Geo-Hazards Department (Staffs), General Public (Website and VMGD Call-Center).	206	104	102
		Total	206	104	102

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