# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 175

**Country: Vanuatu** 

Part 1: Recent climate

**TABLE 1: Monthly Rainfall** 

Station (include data period)	Jan-2022	Feb-2022	Mar-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Kunk
Northern Region							
Sola (1971-2022)	328.2	418.7	318.1	287.9	454.8	388.1	18/50
Pekoa (1971-2022)	368.0	253.3	288.4	193.5	289.7	236.3	35/52
Lamap (1961-2022)	326.0	369.0	330.5	195.3	324.5	245.9	42/62
Southern Region							
Bauerfield (1972-2022)	529.5	667.2	474.0	248.9	337.7	291.6	44/50
Port Vila (1953-2022)	516.0	715.5	435.5	248.3	364.0	290.1	57/70
Whitegrass (1972-2022)	388.7	541.8	267.0	141.4	223.8	190.0	43/51
Aneityum (1952-2022)	420.0	371.4	322.0	230.2	374.0	303.7	40/71

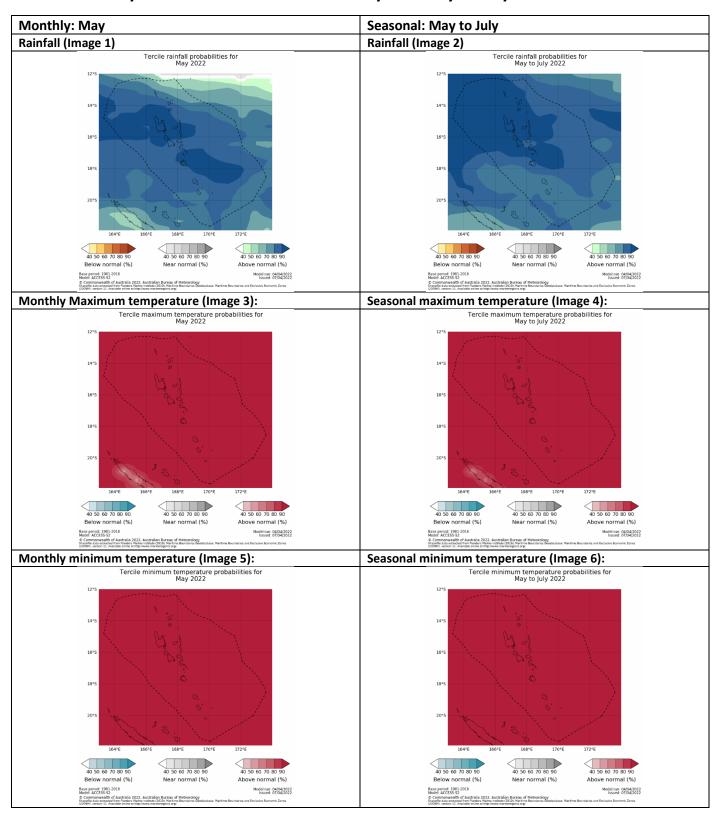
**TABLE 2: Three-month Total Rainfall for January to March 2022** 

Station	Three-month Total		33%tile	67%tile	Median	Rank	
	Rainfall (mm)						
Northern Region							
Sola (1971-2022)	1065.0	Normal	1011.5	1218.9	1128.8	22/49	
Pekoa (1971-2022)	909.7	Normal	743.2	972.7	807.5	28/52	
Lamap (1961-2022)	1025.5	Above normal	641.5	807.4	697.5	54/62	
Southern Region							
Bauerfield (1972-2022)	1670.7	Above normal	794.9	1023.7	939.4	50/50	
Port Vila (1953-2022)	1667.0	Above normal	748.7	987.4	856.0	70/70	
Whitegrass (1972-2022)	1197.5	Above normal	490.1	673.4	541.5	50/51	
Aneityum (1952-2022)	1113.4	Above normal	748.1	974.6	855.0	56/71	

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

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

## Part 1i. Monthly and Seasonal Outlooks for May and May to July 2022

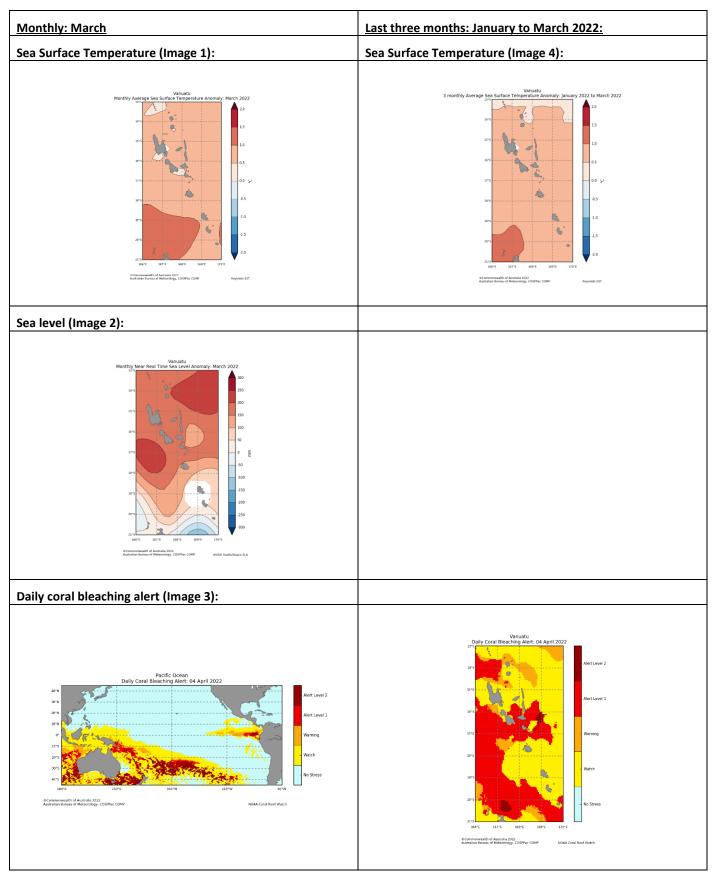


Very Low: X < 0.0 Low:  $0 \le X < 5$  Moderate  $5 \le X < 10$  Good:  $10 \le X < 15$  High:  $15 \le X < 25$ 

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

## Part 2: Recent Ocean summary statement

### Monthly: March 2022

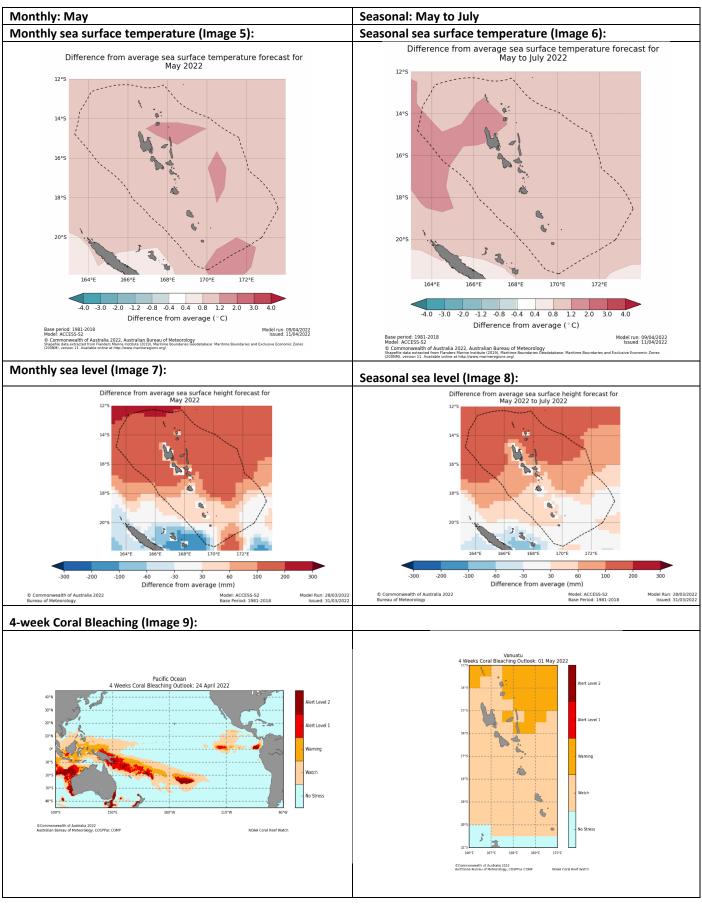


NB: The X LEPS % score has been categorised as follows:

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

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## Part 2i. Monthly and Seasonal Outlooks for May and May to July 2022



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

### **Summary Statement**

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

In March, above normal rainfall was recorded at Lamap, Bauerfield, Port Vila, and Whitegrass. Normal rainfall was recorded at Sola, Pekoa and Aneityum.

For the January to March period, above normal rainfall was recorded at Lamap, Bauerfield, Port Vila, Whitegrass and Aneityum. Normal rainfall was recorded in Sola and Pekoa. Bauerfield and Port Vila recorded their wettest January to March on recorded, while Whitegrass recorded its second wettest on record.

### Part 1i. Monthly and Seasonal Outlooks for May and May to July 2022

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

The monthly and seasonal rainfall and temperature outlook for Vanuatu is very likely to be above normal for the whole country.

### Part 2: Recent Ocean summary statement

#### Monthly and last three months: March/January to March 2022 (Highly significant changes)

In March, above average SSTs of 0.5 to 1.0 degrees were experienced over most of the Vanuatu archipelago. SSTs were 0.5 to 1.0 degrees above average. SSTs of the same range were experienced for the January to March 2022 period.

Sea level was also above average in March, with the highest SL anomaly of 150 mm – 200 mm experienced over the northern and central waters of Vanuatu.

Coral Bleaching Alert level 1 was in place for Malampa, and parts of the Penama and Shefa provinces.

## Part 2i. Monthly and Seasonal Outlooks for May and May to July 2022

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

The monthly SST outlook for the Vanuatu archipelago shows a temperature difference of  $0.8-1.2^{\circ}C$ , with highest SSTs of 1.2-2.0 degrees forecasted for parts of the Torba, and Penama provinces. The seasonal SST outlook shows similar temperature differences over Sanma and Torba provinces.

The monthly and seasonal sea level outlook shows significant higher SL anomaly of 60 - 200 mm over the northern and parts of the central islands.

The 4 weeks coral bleaching outlook shows a Warning Alert is issued for the Torba and Penama provinces.

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

 $Very \ Low: \ X < 0.0 \qquad \qquad Low: \ 0 \le X < 5 \qquad \qquad Moderate \ 5 \le X < 10 \qquad \qquad Good: \ 10 \le X < 15 \qquad High: \ 15 \le X < 25 \qquad \qquad Low: \ 0 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad Good: \ 1$ 

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

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

## \* No outreach due to Covid-19 Outbreak in March 2022.

Product	Date: March 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing					
Ocean Outlook					
Climate data request					
		Total			

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