Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 183

Country: Vanuatu

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Sep-2022	Oct-2022	Nov-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2022)	198.1	395.5	241.7	306.1	494.1	424.6	12/50
Pekoa (1971-2022)	126.3	556.8	256.4	124.3	218.2	183.1	40/52
Lamap (1961-2022)	131.0	428.0	229.5	90.9	146.5	120.0	51/62
Southern Region							
Bauerfield (1972-2022)	146.2	472.4	331.9	103.8	180.9	134.9	**46/50**
Port Vila (1953-2022)	75.0	354.5		74.2	156.6	118.0	
Whitegrass (1972-2022)	39.7	68.6	150.0	29.6	84.8	46.6	45/52
Aneityum (1952-2022)	151.6	179.0	148.0	59.0	147.9	102.0	48/71

TABLE 2: Three-month Total Rainfall for September to November 2022

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Northern Region						
Sola (1971-2022)	835.3	Below normal	899.0	1198.2	1034.2	16/49
Pekoa (1971-2022)	939.5	Above normal	335.8	524.9	441.5	**47/52**
Lamap (1961-2022)	788.5	Above normal	280.3	409.5	333.4	**59/61**
Southern Region						
Bauerfield (1972-2022)	950.5	Above normal	237.5	437.0	332.4	**49/50**
Port Vila (1953-2022)			236.2	393.7	305.5	
Whitegrass (1972-2022)	258.3	Above normal	117.2	214.4	153.0	39/50
Aneityum (1952-2022)	478.6	Above normal	265.6	425.0	351.8	54/71

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

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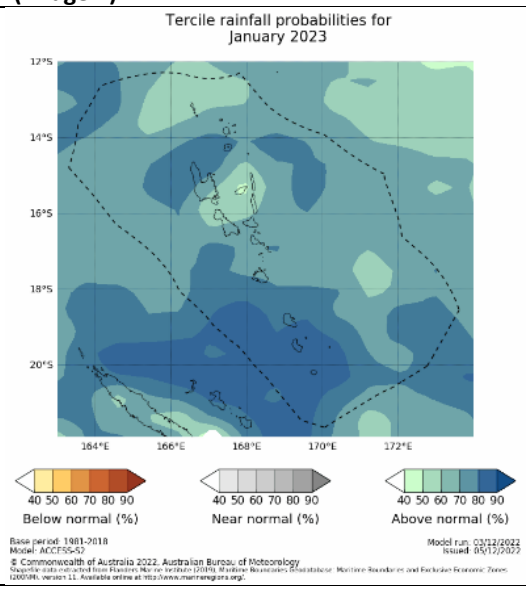
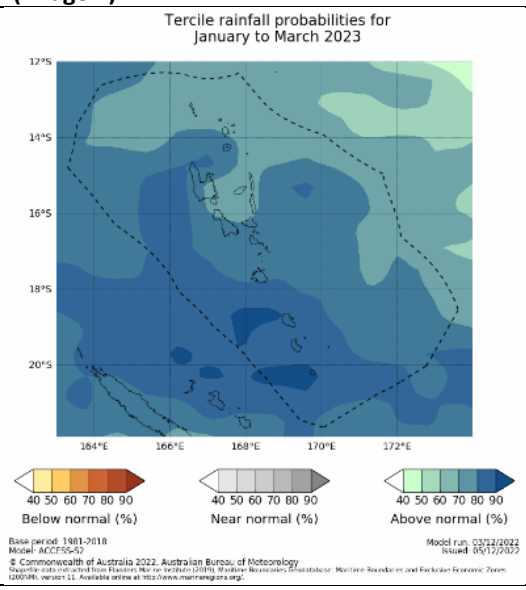
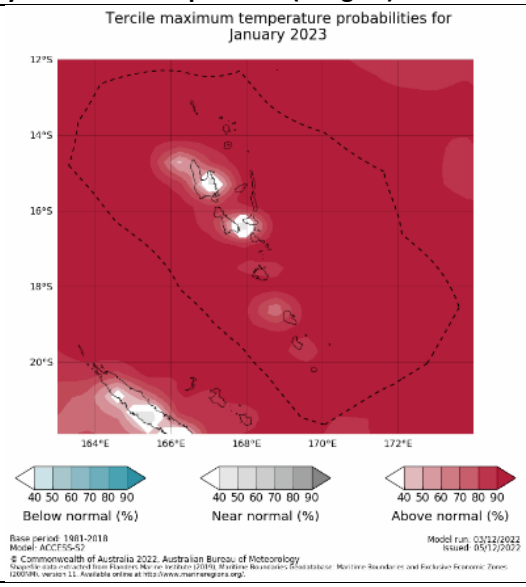
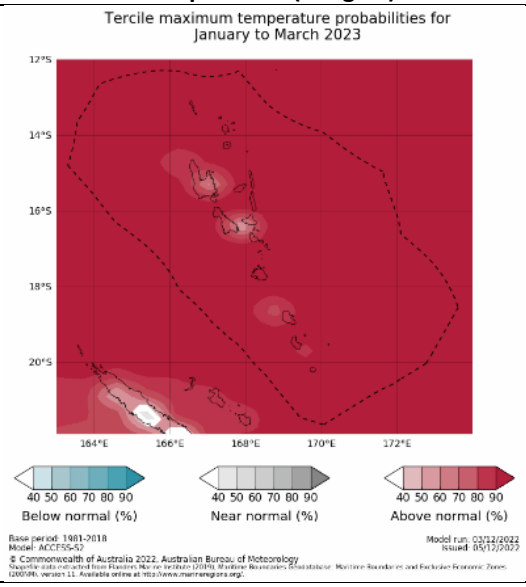
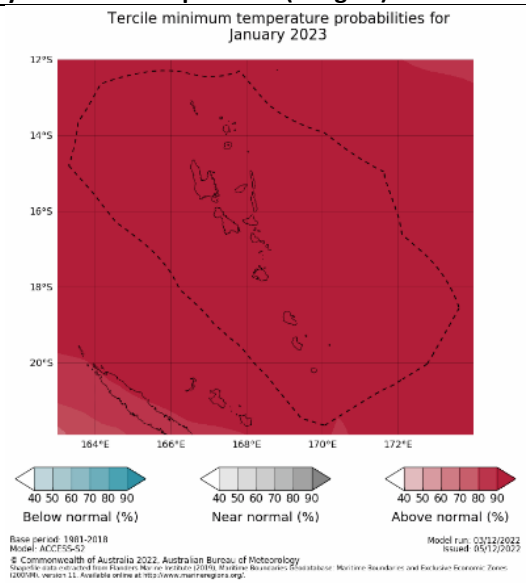
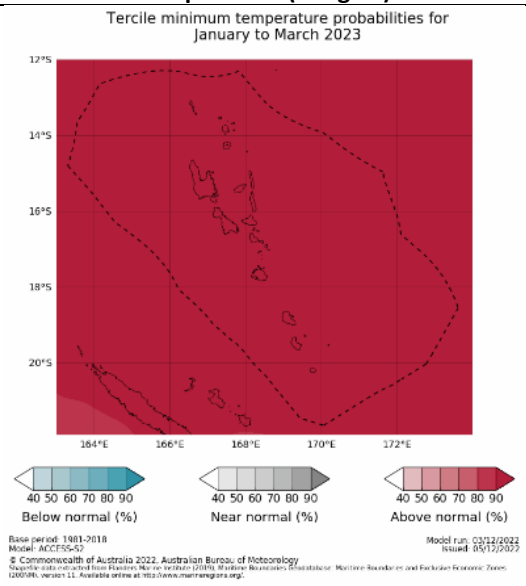
Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Part 1i. Monthly and Seasonal Outlooks for January and January to March 2023

Monthly: January	Seasonal: January to March
Rainfall (Image 1)	**Rainfall (Image 2)**
	
Monthly Maximum temperature (Image 3):	**Seasonal maximum temperature (Image 4):**
	
Monthly minimum temperature (Image 5):	**Seasonal minimum temperature (Image 6):**
	

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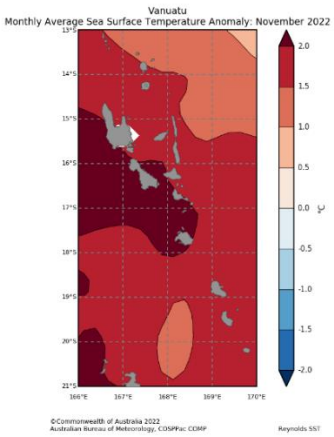
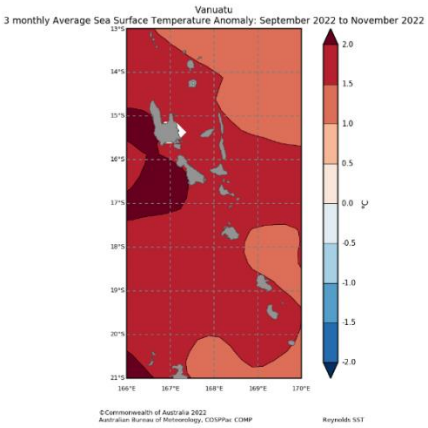
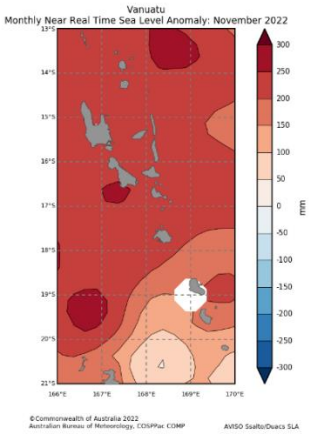
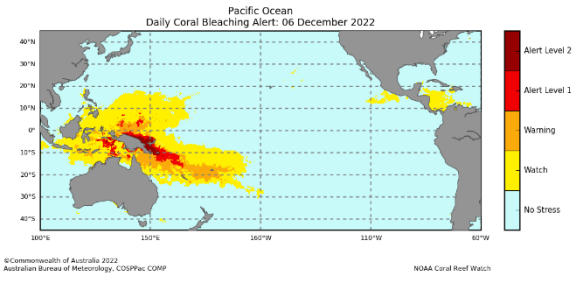
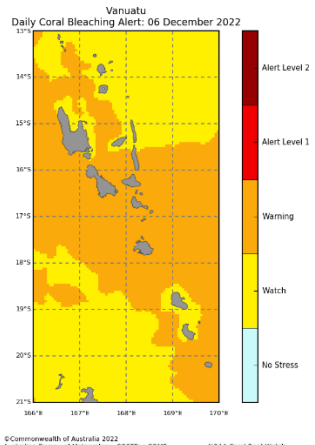
Part 2: Recent Ocean Observation

Monthly/Three months: November 2022 and September to November 2022

Monthly: November	**Last three months: September to November 2022:**
Sea Surface Temperature (Image 1):	**Sea Surface Temperature (Image 4):**
	
Sea level (Image 2):	
	
Daily coral bleaching alert (Image 3):	
	

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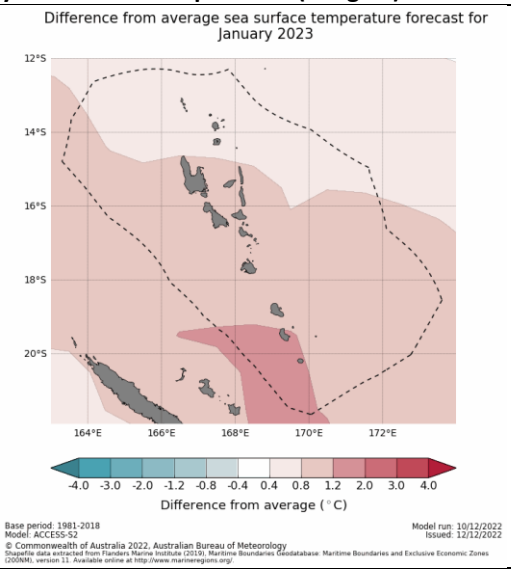
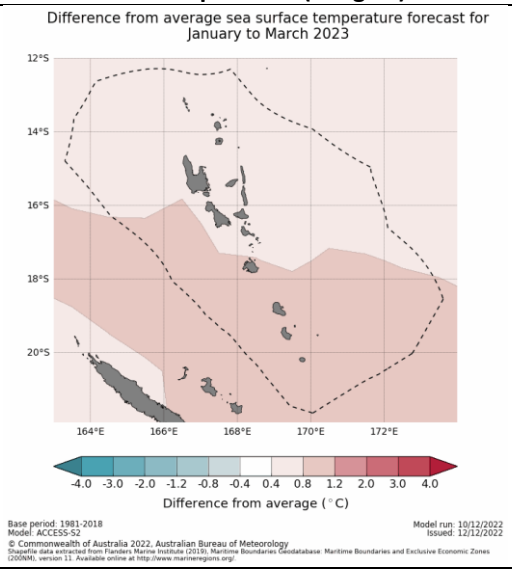
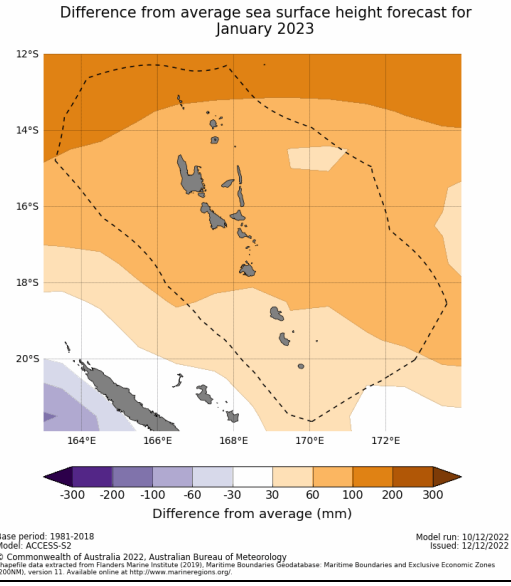
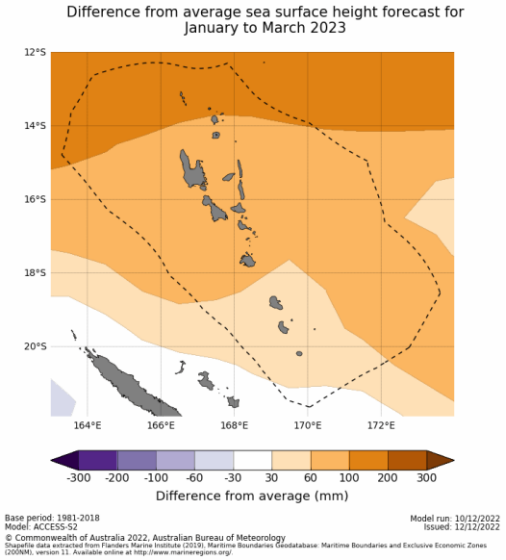
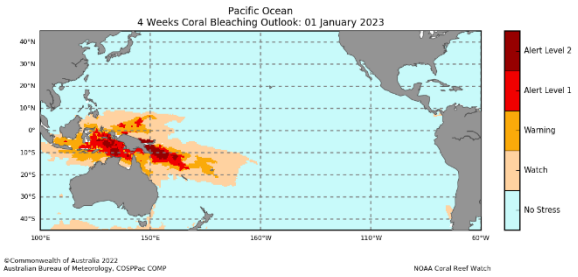
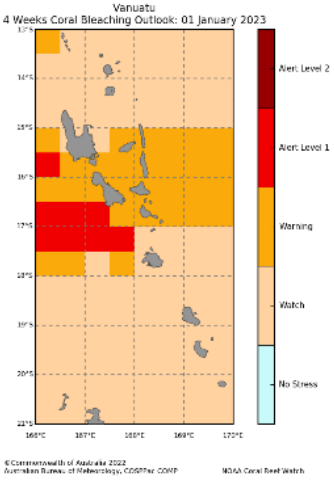
Part 2i. Monthly and Seasonal Outlooks for January and January to March 2023

Monthly: January	Seasonal: January to March
Monthly sea surface temperature (Image 5):	**Seasonal sea surface temperature (Image 6):**
	
Monthly sea level (Image 7):	**Seasonal sea level (Image 8):**
	
4-week Coral Bleaching (Image 9):	
	

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Summary Statement

Monthly and last three months: November 2022/September to November 2022 statement

The rainfall observed at all stations for November and September to November was above normal, except for Sola where rainfall was below normal. Bauerfield recorded its fifth wettest November and second wettest September to November on record, while Pekoa station recorded its sixth wettest September to November period. In addition, Lamap had its third wettest September to November.

Part 1i. Monthly and Seasonal Outlooks for January and January to March 2023

Monthly /Seasonal rainfall and temperature Outlook statements

January rainfall is *likely or very likely* to be above normal over Vanuatu.

The rainfall for January to March is *very likely* to be above normal over the whole country.

Maximum temperatures for January are very *likely* to be above normal over most of the country, except for east Santo, S/E Malekula and S/W Ambrym where there is little guidance as the chances of above normal, normal, and below normal are similar.

Minimum temperatures for January are very likely to be above normal over the whole country.

Maximum and minimum temperatures averaged over January to March are very likely to be above normal over Vanuatu.

Part 2: Recent Ocean summary statement

Monthly and last three months: November/September to November 2022

The November, and September to November ocean temperatures around Vanuatu were 1.5 to above 2.0°C above normal.

November sea levels around Tafea province were 50mm to 150mm above normal, while the rest of the country experienced much higher sea level differences of 200 mm – 300 mm above normal.

The daily coral bleaching alert is on 'Warning' status as of 6th December 2022.

Part 2i. Monthly and Seasonal Outlooks for January and January to March 2023

Ocean Variable statement

The month of January, and January to March ocean temperatures around Vanuatu are predicted to be 0.4 to 1.2°C above normal.

January, and January to March sea level around Vanuatu are predicted to be 30 to 100 mm above normal.

Coral bleaching outlook for 1st January 2022 is forecasted at 'Alert 1' for South Santo and Malampa Province, and 'Warning' status for Penama Province, with remainder on 'Watch' for most of the country.

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

Product	Date: November 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Vanuatu EAR Watch Workshop	17 – 22nd	VMGD/Van-KIRAP, COSPPac, National University of Vanuatu, World Vision, New Zealand High Commission, Australian High Commission, Vanuatu Society for People with Disability, Fisheries Department	26	13	13
PICASO and Clik-P Training	7 – 11th	VMGD, SPREP	10	6	4
		Total	**36**	**19**	**17**

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