

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 167

Country: Vanuatu

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	May-2021	Jun-2021	Jul-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Northern Region							
Sola (1971-2021)	492.9	125.6	204.4	163.4	313.1	253.9	20/47
Pekoa (1971-2021)	233.8	26.5	63.2	59.8	113.4	81.6	21/51
Lamap (1961-2021)	219.5	26.5	68.5	57.8	116.2	75.6	28/60
Southern Region							
Bauerfield (1972-2021)	229.0	33.0	63.9	44.7	87.8	59.1	27/49
Port Vila (1953-2021)	173.5		61.5	49.3	123.5	72.8	32/69
Whitegrass (1972-2021)	119.5	30.2	11.3	25.9	58.1	38.8	8/49
Aneityum (1952-2021)	252.0	60.6	77.0	76.8	141.4	101.1	24/70

Monthly: July 2021 statement

Below normal rainfall was recorded at Whitegrass in July 2021, while all the other stations recorded normal rainfall.

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

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$ Exceptional: $X \geq 35$

TABLE 2: Three-month Total Rainfall for May to July 2021

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Northern Region						
Sola (1971-2021)	822.9	Normal	747.0	1183.6	932.7	20/46
Pekoa (1971-2021)	323.5	Normal	319.6	556.8	462.9	18/51
Lamap (1961-2021)	314.5	Normal	307.1	453.9	375.5	23/60
Southern Region						
Bauerfield (1972-2021)	325.9	Normal	305.4	519.1	410.4	19/49
Port Vila (1953-2021)			292.3	477.4	388.8	
Whitegrass (1972-2021)	161.0	Below normal	175.3	260.3	217.8	15/49
Aneityum (1952-2021)	389.6	Normal	357.9	520.2	438.8	29/69

Last three months: May to July 2021 statement:**Rainfall (Table 2):**

Below normal rainfall was recorded at Whitegrass for the May to July 2021 period. Apart from Port Vila having no data for this period, all other stations recorded normal rainfall.

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Very Low: $X < 0.0$

Low: $0 \leq X < 5$

Moderate $5 \leq X < 10$

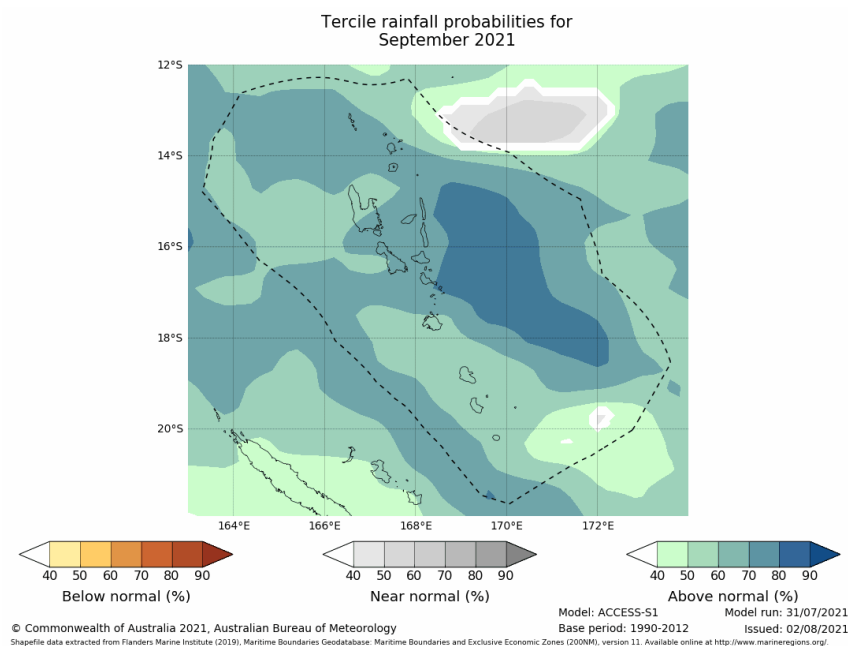
Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$ Exceptional: $X \geq 35$

Part 1i. Monthly and Seasonal Outlooks for September and September to November 2021

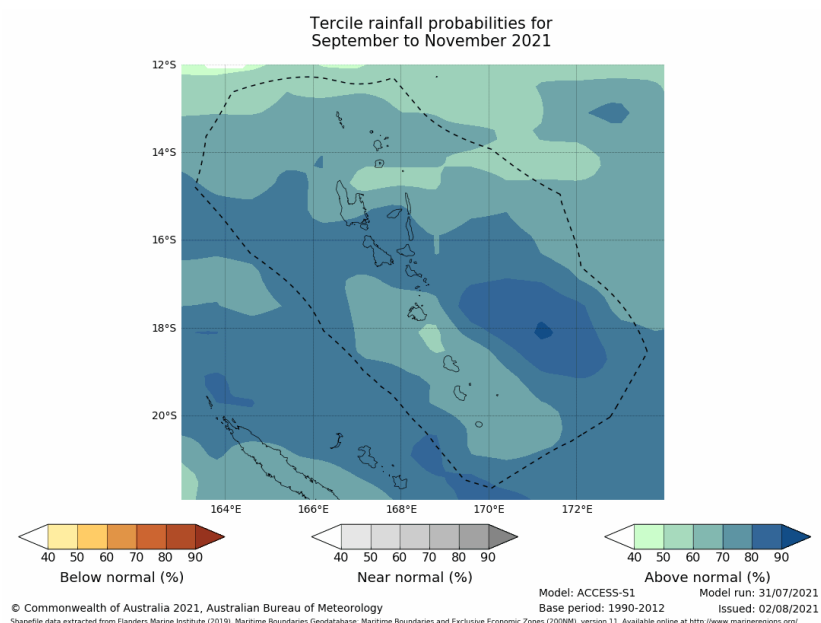
Monthly rainfall (Image 1):



Monthly rainfall Outlook statement

The outlook for Vanuatu for September is likely to be above normal. The outlook for much of the Torba, Sanma, Penama, and Malampa provinces are very likely to be above normal, while the Shefa and Tafea provinces are likely to be above normal.

Seasonal rainfall (Image 2):



Seasonal rainfall Outlook statement

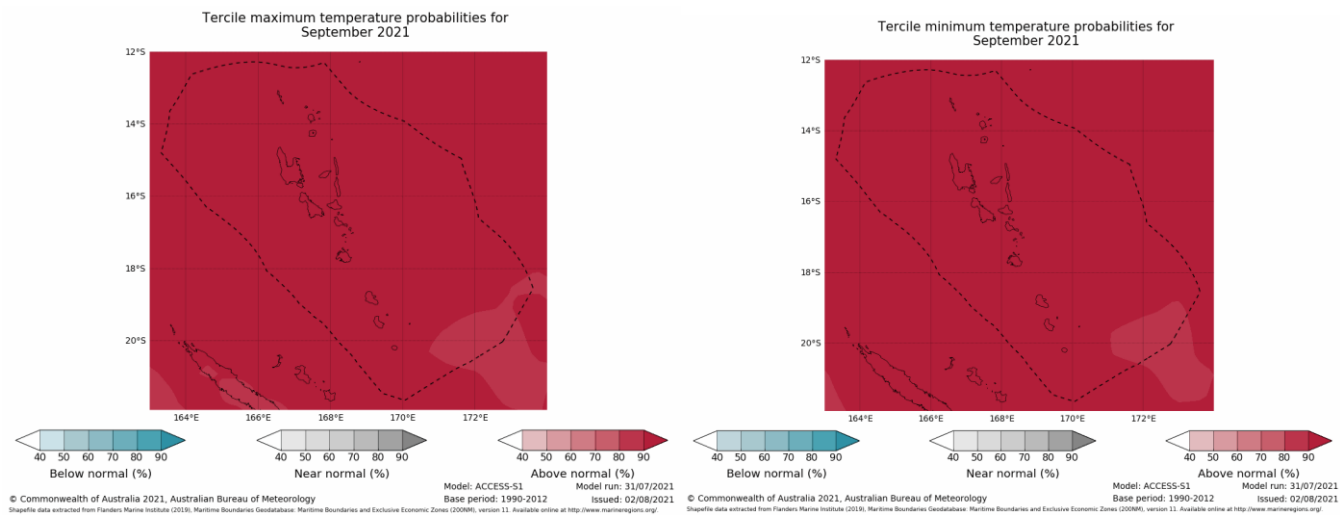
The outlook for Vanuatu for September is very likely to be above normal.

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

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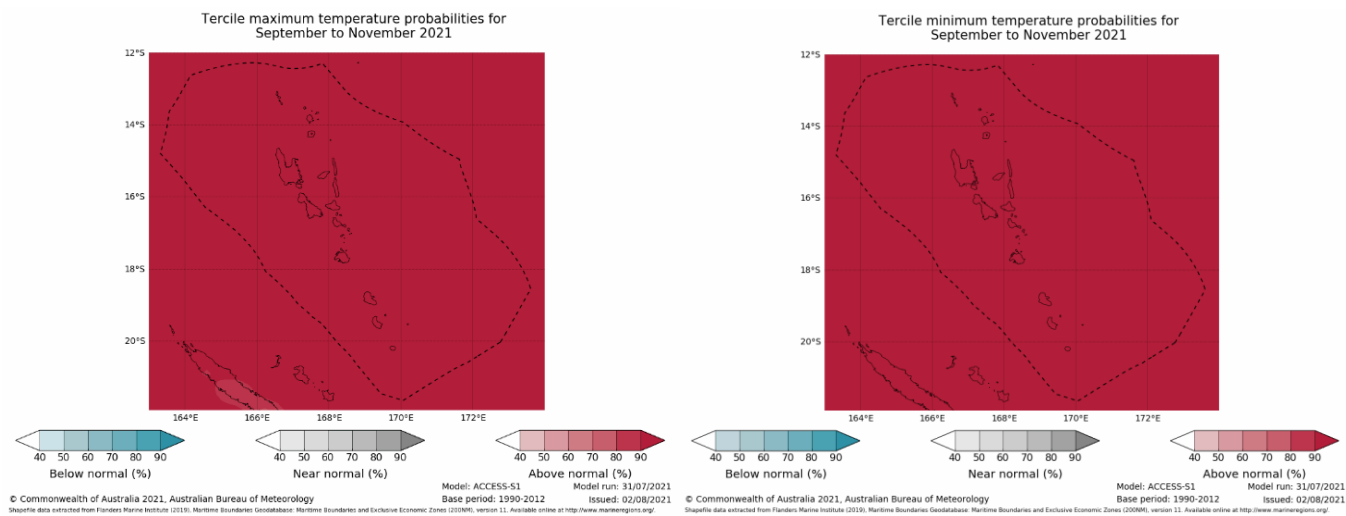
Monthly maximum and minimum temperature (Image 3):



Monthly maximum and minimum temperature Outlook statement

The monthly maximum and minimum temperature outlook for Vanuatu for September is very likely to be above normal.

Seasonal maximum and minimum temperature (Image 4):



Seasonal maximum and minimum temperature Outlook statement

The seasonal maximum and minimum temperature outlook for Vanuatu for September to November is very likely to be above normal.

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Moderate: $5 \leq X < 10$

Good: $10 \leq X < 15$

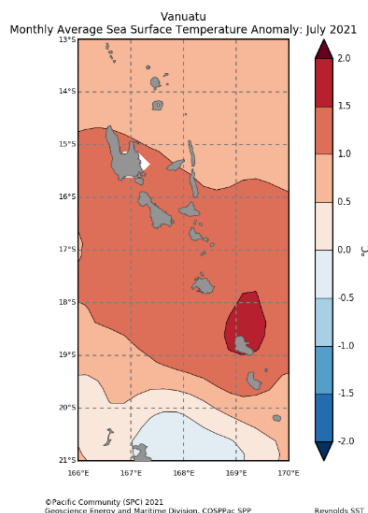
High: $15 \leq X < 25$

Very High: $25 \leq X < 35$ Exceptional: $X \geq 35$

Part 2: Recent Ocean summary statement

Monthly: July 2021

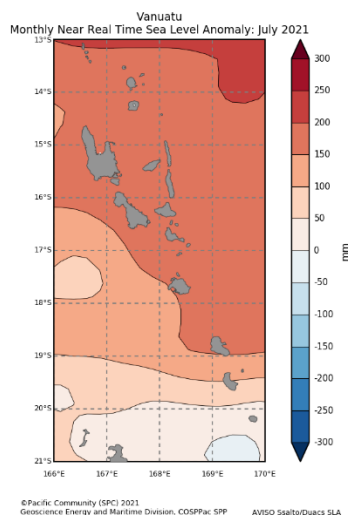
Sea Surface Temperature (Image 1):



Sea Surface Temperature statement

The whole country experienced above average SST in the month of July 2021. The highest SSTs were 1.5 to 2.0 degrees above average and located over Erromango island. Elsewhere, SSTs were 0.5 to 1.5 above average.

Sea level (Image 2):



Sea level statement

The sea level anomaly across Vanuatu in July 2021 was significantly higher than normal, with majority of the archipelago in the range of 150 to 200 mm above average, while Tafea province experienced normal to 150 mm above average.

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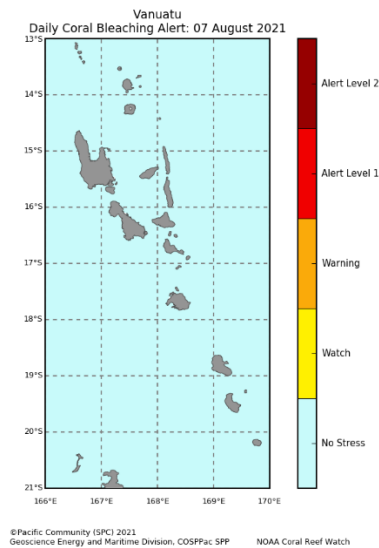
Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

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Daily coral bleaching alert (Image 3):

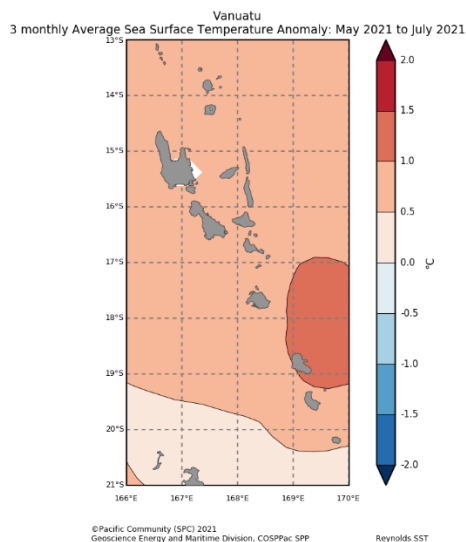


Daily bleaching alert statement

Alert levels remain low across Vanuatu. No Stress was issued over the country.

Last three months: May to July 2021:

Sea Surface Temperature (Image 4):



Last three months Sea Surface Temperature statement

For the May to July 2021 period, above average SSTs were experienced over the country. More warming was experienced over the island of Erromango in the range of 1.0 to 1.5 degrees above average. Elsewhere, SSTs were 0.5 to 1.0 degree above average.

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Low: $0 \leq X < 5$

Moderate $5 \leq X < 10$

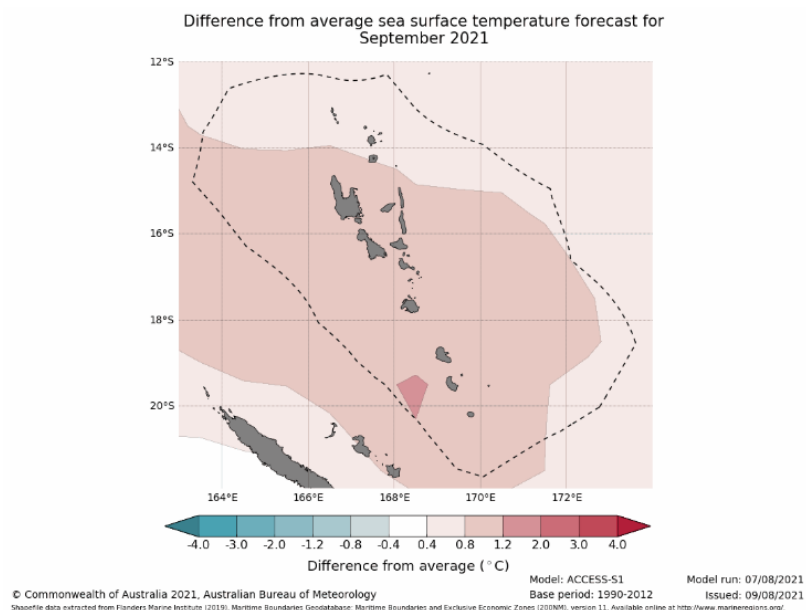
Good: $10 \leq X < 15$

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Part 2i. Monthly and Seasonal Outlooks for September and September to November 2021

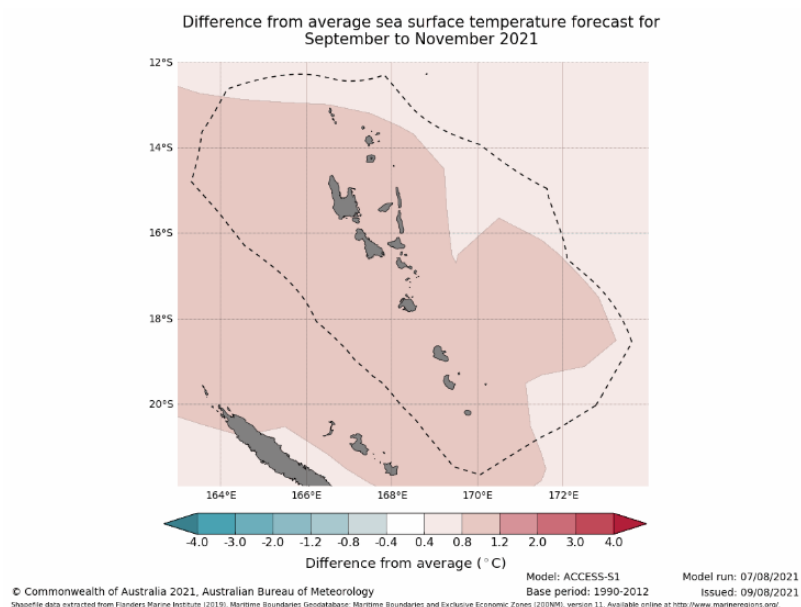
Monthly sea surface temperature (Image 5):



Monthly sea surface temperature statement

The monthly outlook for Vanuatu shows normal SSTs are likely for the Torba province, while above normal temperature differences of 0.8°C to 1.2°C is forecasted elsewhere over the country.

Seasonal sea surface temperature (Image 6):



Seasonal Sea Surface Temperature statement

The outlook for Vanuatu shows a significant temperature difference of 0.8-1.2°C above normal for the September to November period.

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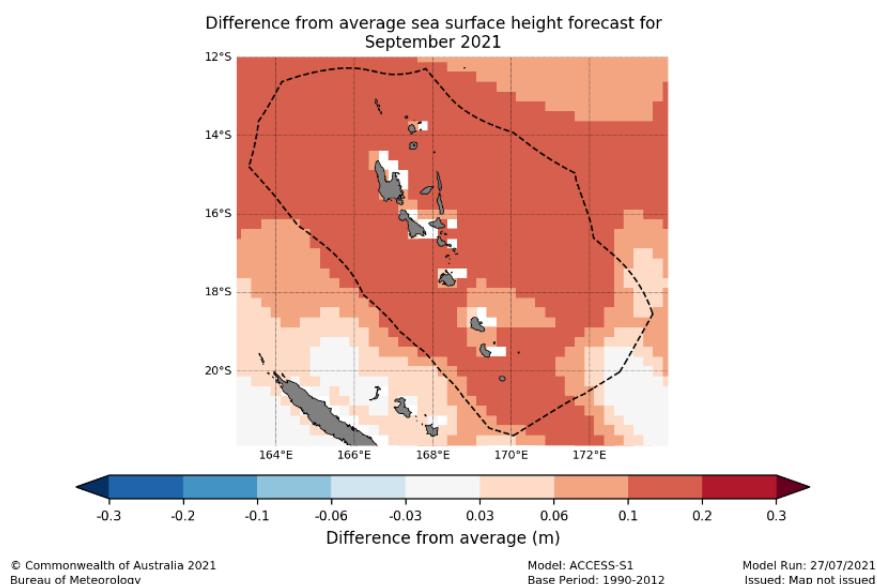
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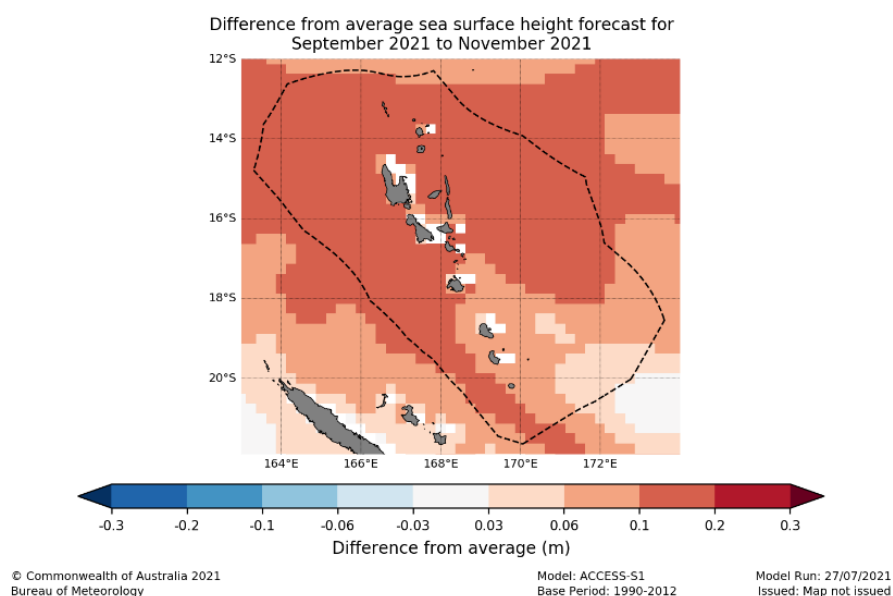
Monthly sea level (Image 7):



Monthly sea level statement

The outlook for the Vanuatu group shows above normal sea level differences of 0.06 m to 0.2 m.

Seasonal sea level (Image 8):



Seasonal sea level statement

The sea level outlook for September to November shows above normal differences of 0.06 m to 0.2 m. This additional sea level anomaly needs to be taken into account when using the tide calendars by adding it onto the high/low tide levels.

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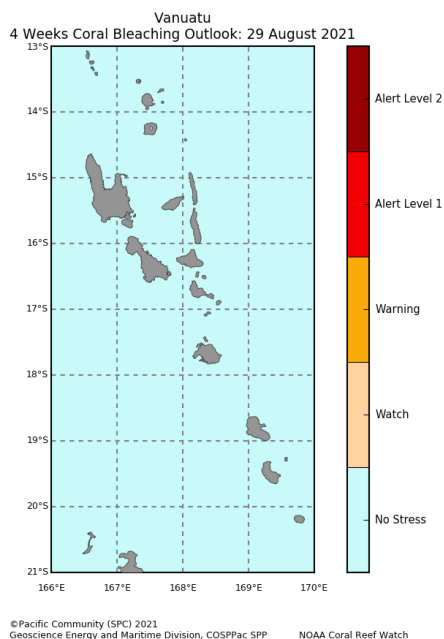
Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

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4-week Coral Bleaching (Image 9):



4-weeks Coral Bleaching statement

The outlook for the Vanuatu archipelago shows there are no coral bleaching alerts.

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Low: $0 \leq X < 5$





Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

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

Product	Date: July 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Gender Consultation on Climate Information with local communities on Santo Island. Location 1: Lonnoc, East Santo. Location 2: Sarakata Side-river.	25 th June – 2 nd July	 <p>Target Group: Men, Women, Youth groups, People living with disability, and the LGBTQ community.</p>	65	29	36
School Visit to VMGD by Ekiye Primary School, Class 4.	22 nd	 <p>Data Management Officer briefing students on the functions and the type of information disseminated by the Climate Services Division.</p>	28	16	12
Updated 25 Community Notice Boards around Efate with the Vanuatu Climate Update Bulletin and the Tide Calendar for August 2021.	29 th	 <p>Data Outreach Officer updating noticeboard at Onesua Secondary School.</p>	21 Communities 4 schools	—	—
Awareness to the youths and other members of the Torress Area Council on the importance of understanding Climate Science information as part of their capacity building.	23 rd – 31 st	 <p>Torress Area Council (Northern most islands in Vanuatu) – Mini Youth Convention.</p>	100 +	50+	40+
Total			193	95	88

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