

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

Country: Niue

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	May-2021	Jun-2021	Jul-2021				
	Total (mm)	Total (mm)	Total (mm)	33%tile	67%tile	Median	Rank
			Rainfall (mm)				
Hanan Airport (1905-2021)	205.7	167.7	201.5	56.4	124.4	88.8	104/115

Monthly: July 2021 statement

Hanan Airport's July rainfall was above normal.

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

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Hanan Airport (1905-2021)	574.9	Above normal	254.2	409.9	310.5	106/114

Last three months: May to July 2021 statement:

Rainfall (Table 2):

Above normal rainfall was recorded from May to July 2021 for Hanan Airport. It was the ninth wettest May to July on record.

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

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

Moderate $5 \leq X < 10$

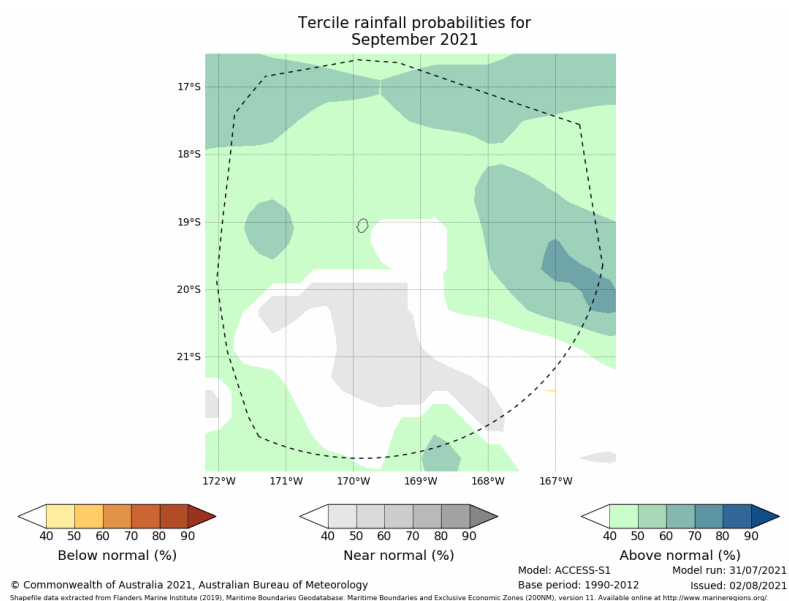
Good: $10 \leq X < 15$

High: $15 \leq X < 25$

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

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

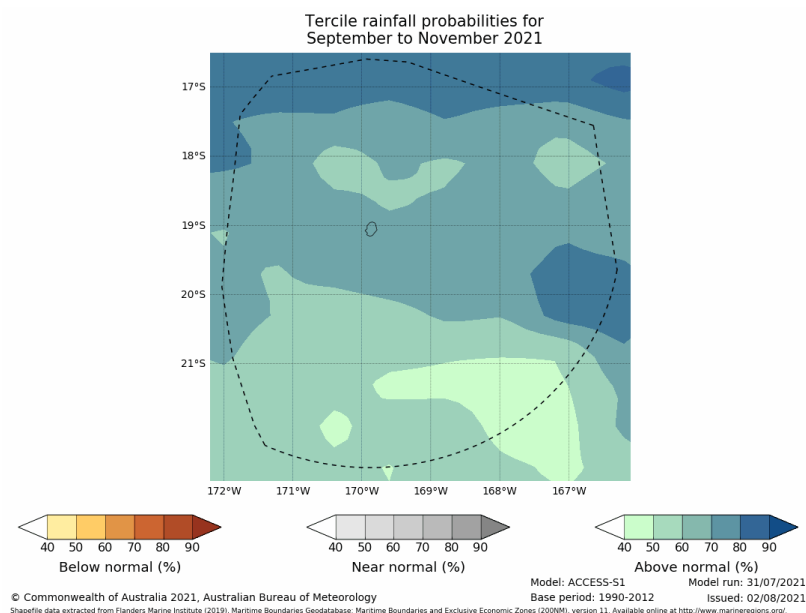
Monthly rainfall (Image 1):



Monthly rainfall Outlook statements

The outlook for Niue for September is likely to be above normal.

Seasonal rainfall (Image 2):



Seasonal Rainfall Outlook statements

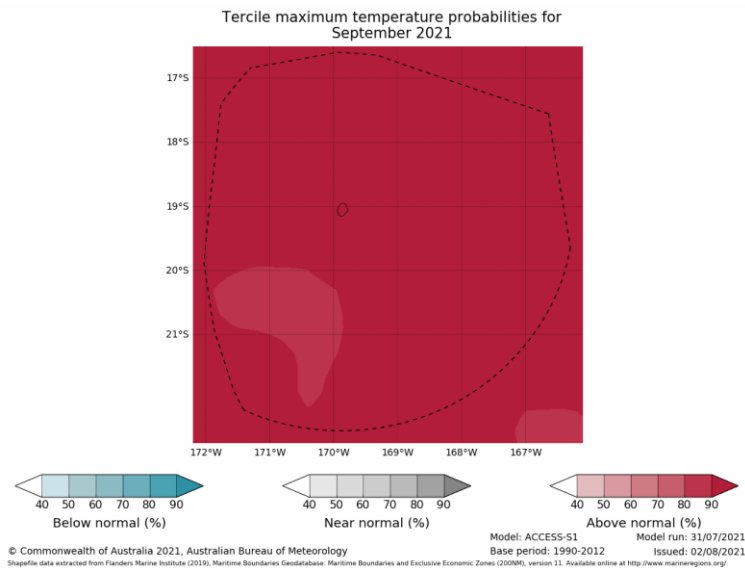
The outlook for Niue for September to November is very likely to be above normal.

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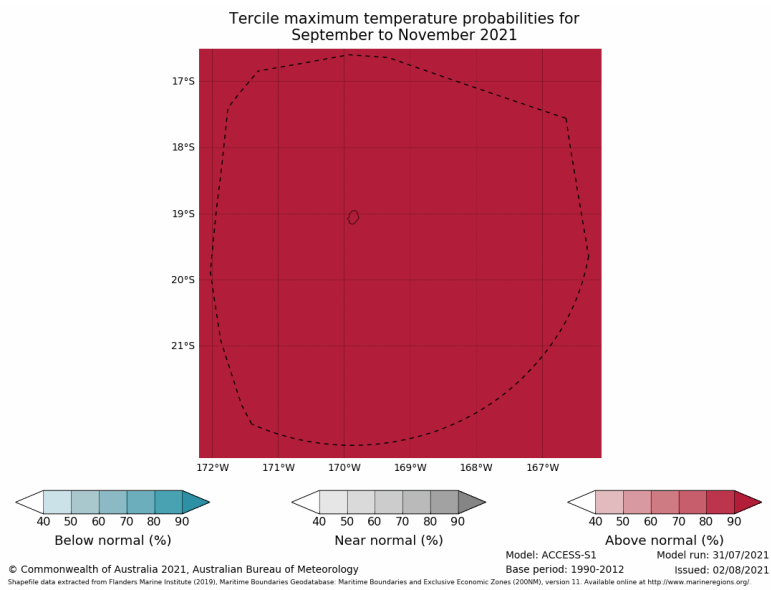
Monthly Maximum temperature (Image 3):



Monthly Maximum Outlook statements

The maximum temperature outlook for Niue for September is very likely to be above normal.

Seasonal maximum temperature (Image 4):



Seasonal maximum temperature Outlook statement

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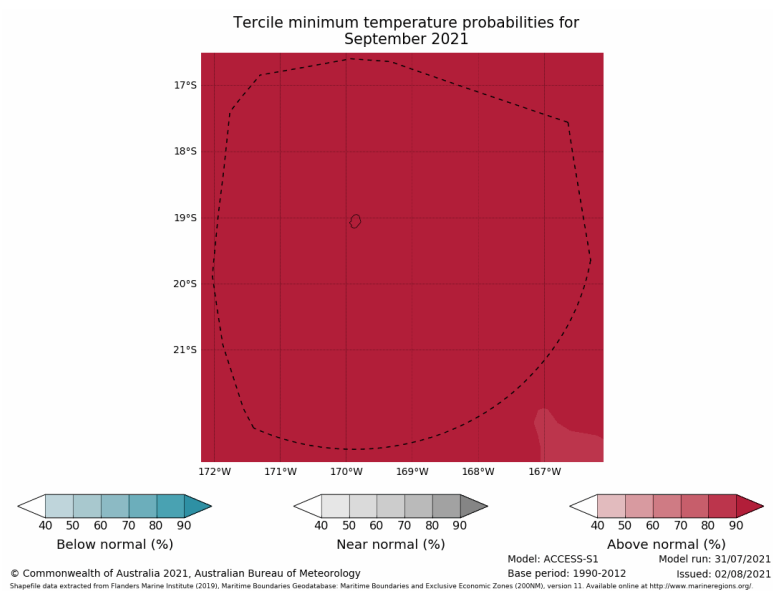
Moderate $5 \leq X < 10$

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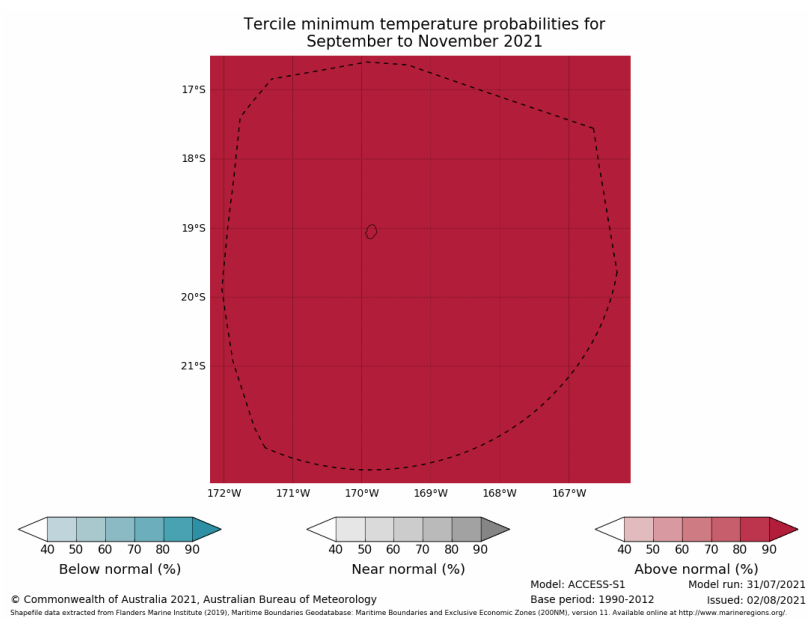
Monthly minimum temperature (Image 5):



Monthly Minimum Outlook statements

The minimum temperature outlook for Niue for September is very likely to be above normal.

Seasonal minimum temperature (Image 6):



Seasonal minimum temperature Outlook statement

The minimum temperature outlook for Niue for September to November is very likely to be above normal.

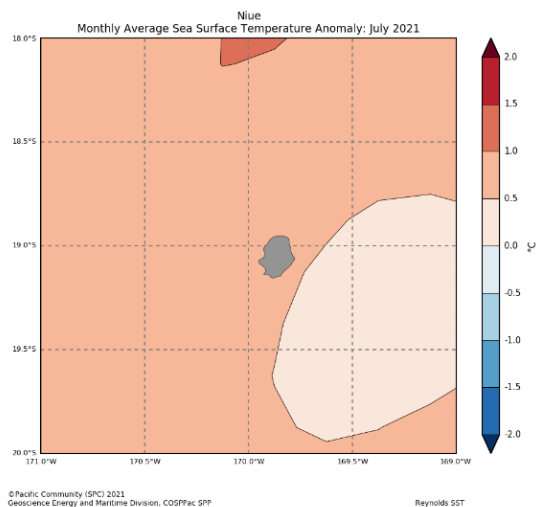
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Part 2: Recent Ocean summary statement

Monthly: July 2021

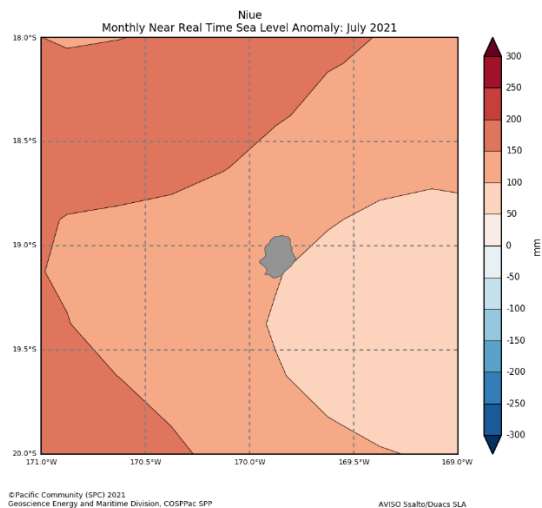
Sea Surface Temperature (Image 1):



Sea Surface Temperature statement

The sea surface temperature for the month of July shows warmer conditions experienced in Niue with maximum temperature of 1.5°C.

Sea level (Image 2)



Sea level statement

Sea level for the month of July for Niue was higher than normal, with maximum sea level of 200mm

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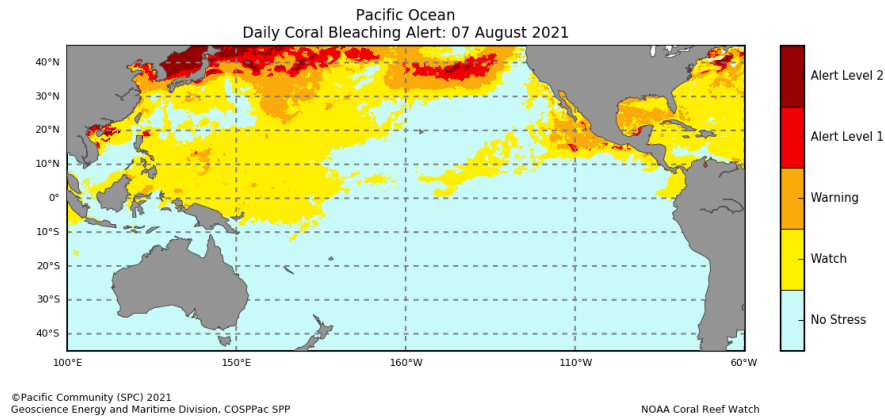
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Daily coral bleaching alert (Image 3):

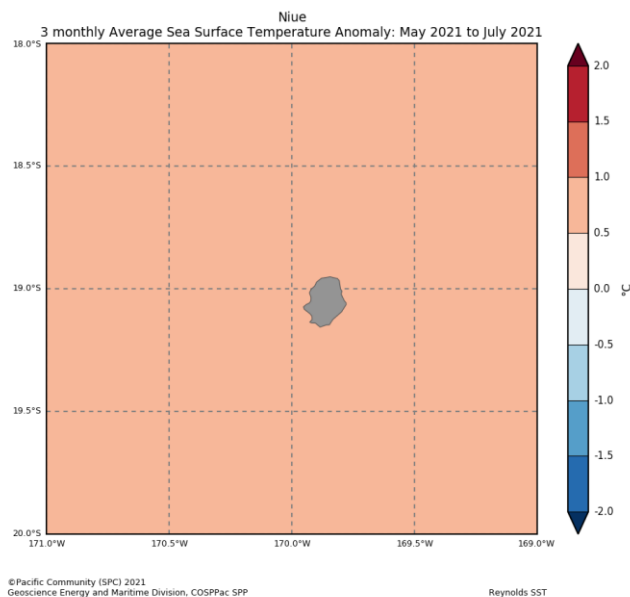


Daily bleaching alert statement

The coral bleaching was on no stress level for Niue.

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, warmer than average SSTs were experienced for Niue in the range of 0.0 to 1.0 degrees above average.

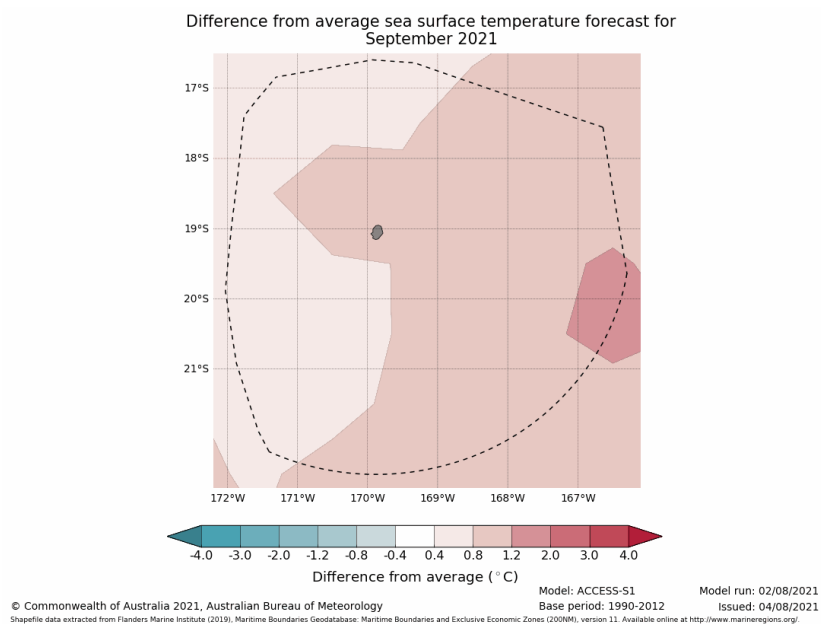
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Part 2i. Monthly and Seasonal Outlooks for September and September to November 2021

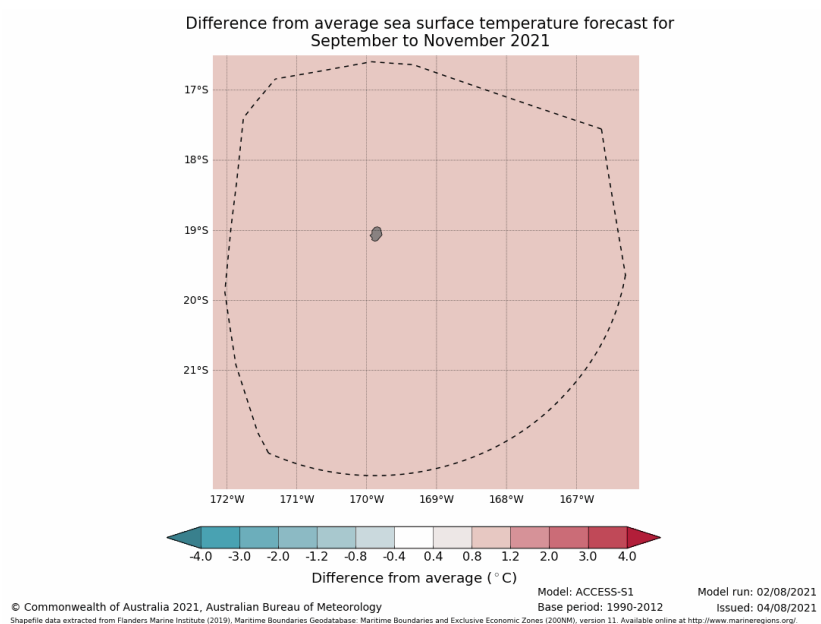
Monthly sea surface temperature (Image 5):



Monthly sea surface temperature statement

The outlook for Niue shows a significant temperature difference of 0.4-1.2°C for September.

Seasonal sea surface temperature (Image 6):



Seasonal Sea Surface Temperature statement

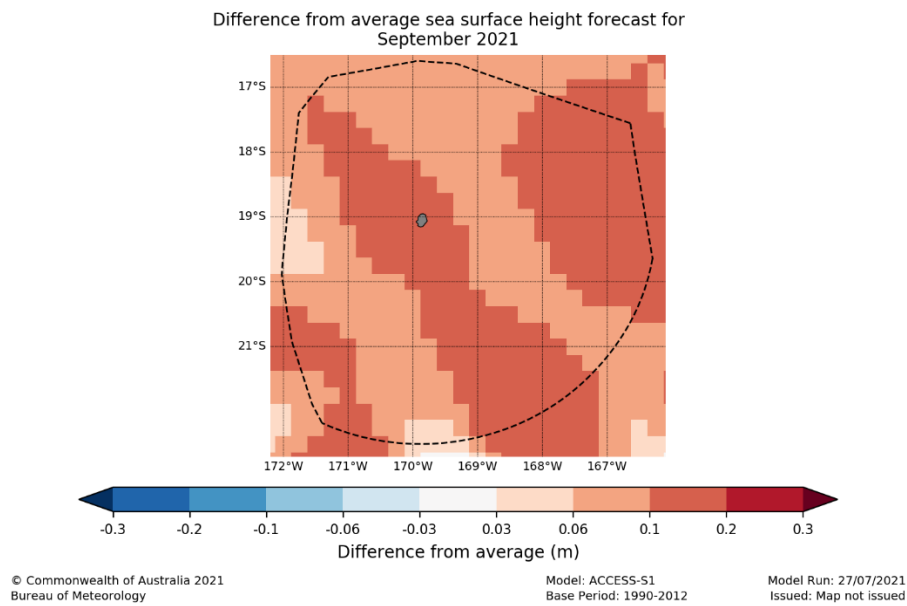
The outlook for Niue shows SST likely to be warmer than average by up to 1.2°C for the September to November period.

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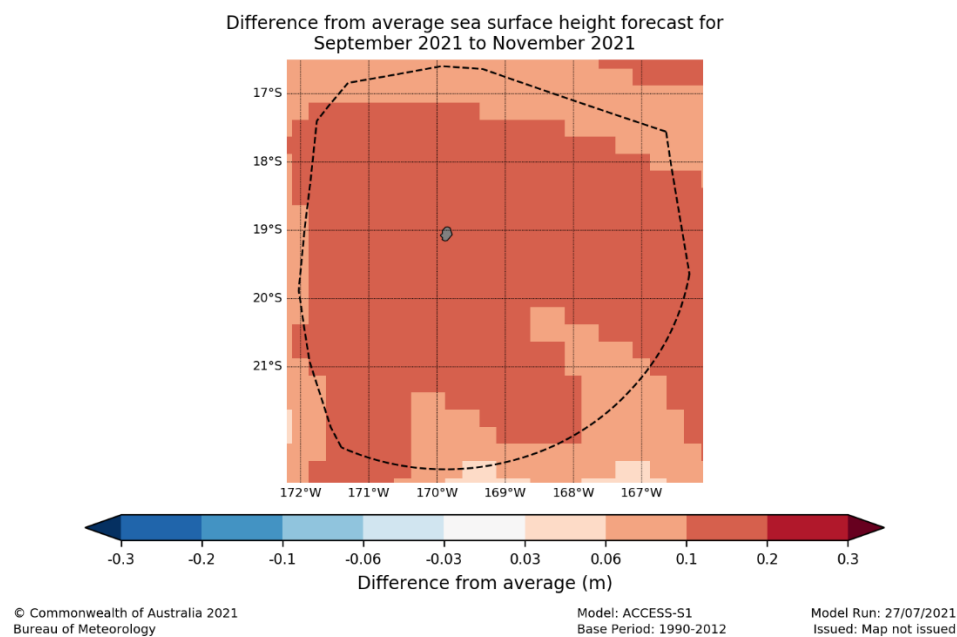
Monthly sea level (Image 7):



Monthly sea level statement

The September outlook across Niue shows sea level likely to be higher than average by up to 0.2m.

Seasonal sea level (Image 8):



Seasonal sea level statement

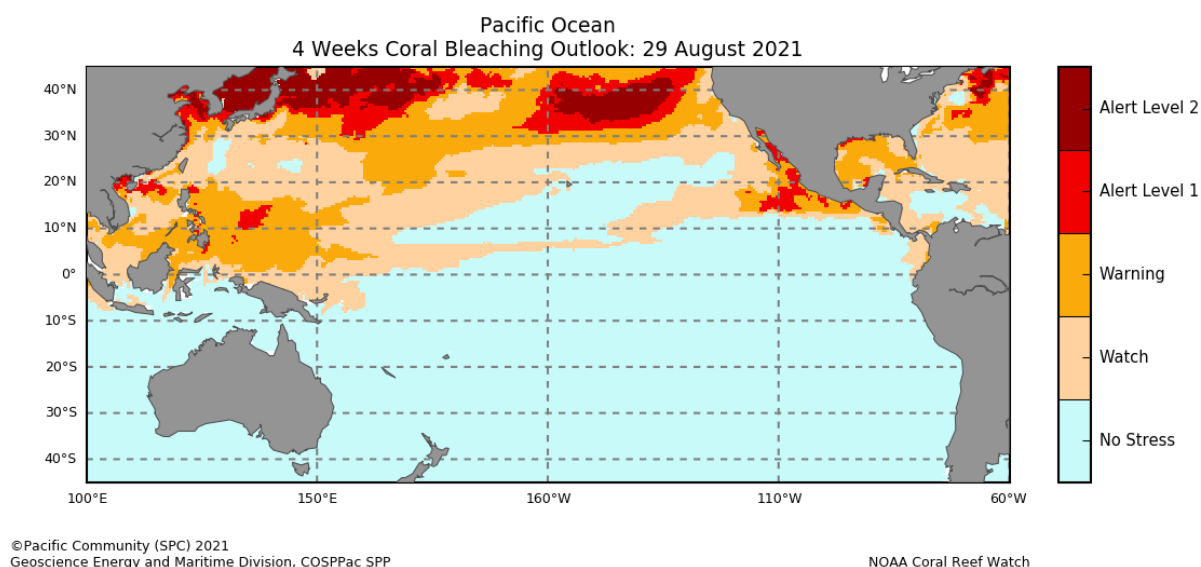
The outlook for Niue up till November shows above normal sea level conditions of up to 0.2m

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4-week Coral Bleaching (Image 9):



4-weeks Coral Bleaching statement

The outlook for Niue shows there are no coral bleaching alerts.

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

Product	Date: July 2021	Stakeholder	Total Number of Participants	Number of males	Number of females
Climate Bulletin	16 July 2021 - NCO	General public	50	20	30
		Government officials	15	10	5
		Village council	20	10	10
		Private sector	20	5	15
		Stakeholders	30	15	15
EAR Watch					
Monthly Climate Briefing	08 July 2021	General public	40	20	20
	22 July 2021	Government officials	10	4	6
	- Radio Programs	Government all staff	15	5	10
Ocean Outlook					
Total			200	89	111

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