Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 177

Country: Niue

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2022	Apr-2022	May-2022				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Hanan Airport (1905-2022)	408.5	236.1	138.8	81.8	164.9	130.6	71/116

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

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Hanan Airport (1905-2022)	783.4	Above normal	545.6	765.9	606.6	86/116

NB: The X LEPS % score has been categorised as follows:
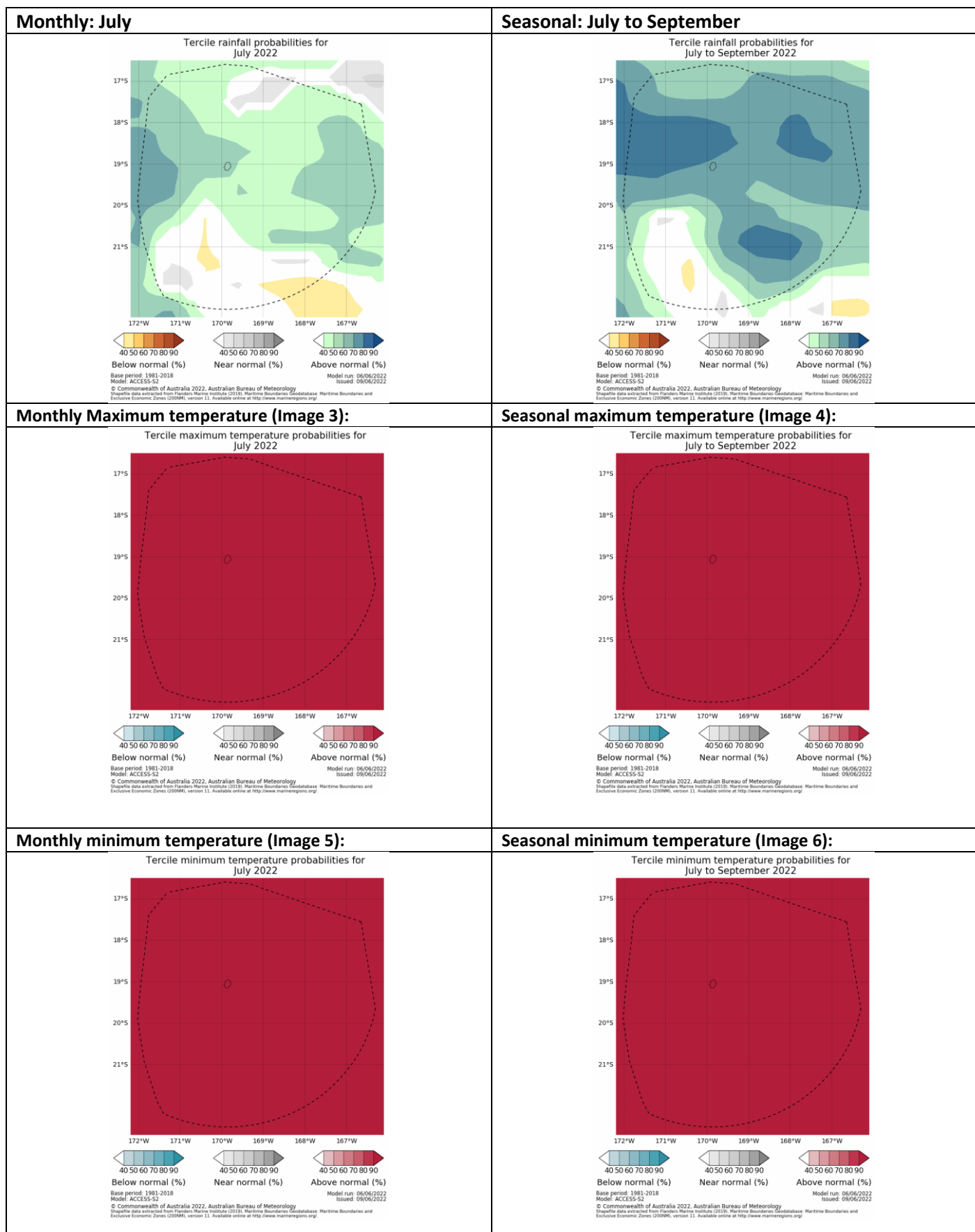
Very Low: X < 0.0   Low: 0 ≤ X < 5   Moderate 5 ≤ X < 10   Good: 10 ≤ X < 15   High: 15≤ X < 25

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

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

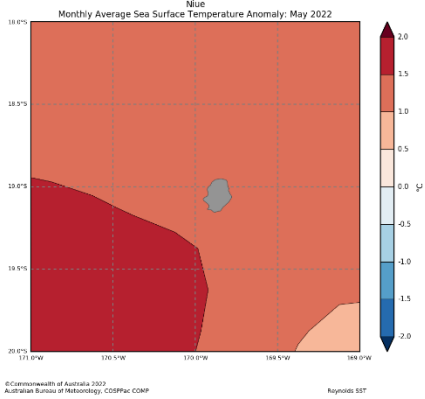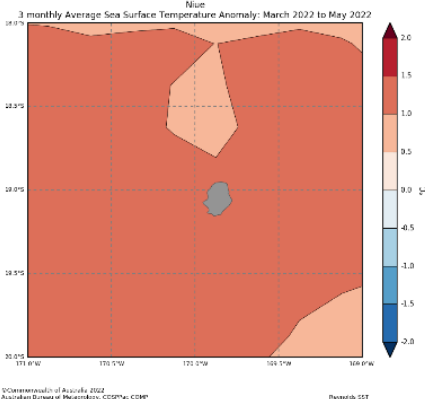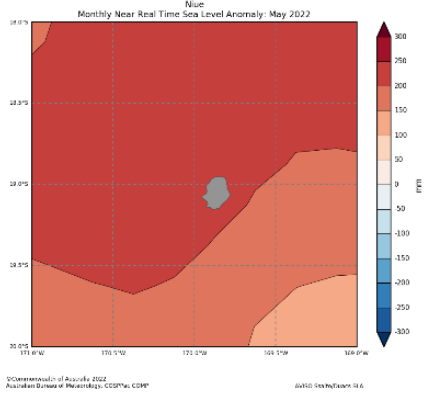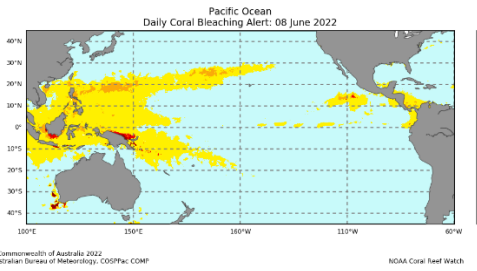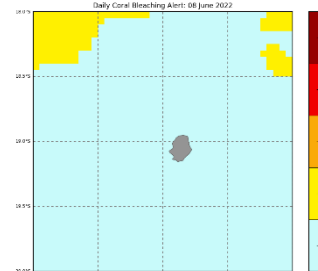| Monthly: July	Seasonal: July to September
Tercile rainfall probabilities for July 2022	Tercile rainfall probabilities for July to September 2022
Monthly Maximum temperature (Image 3):	**Seasonal maximum temperature (Image 4):**
Tercile maximum temperature probabilities for July 2022	Tercile maximum temperature probabilities for July to September 2022
Monthly minimum temperature (Image 5):	**Seasonal minimum temperature (Image 6):**
Tercile minimum temperature probabilities for July 2022	Tercile minimum temperature probabilities for July to September 2022

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

Part 2: Recent Ocean summary statement

Monthly: May 2022

Monthly: May	Last three months: March to May 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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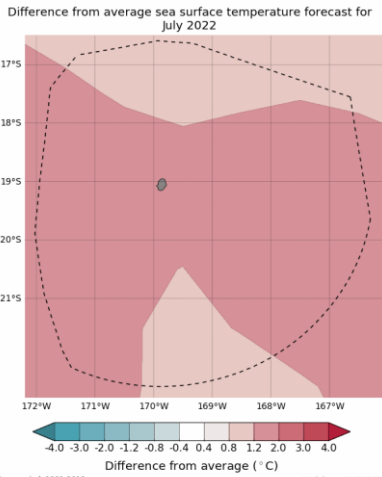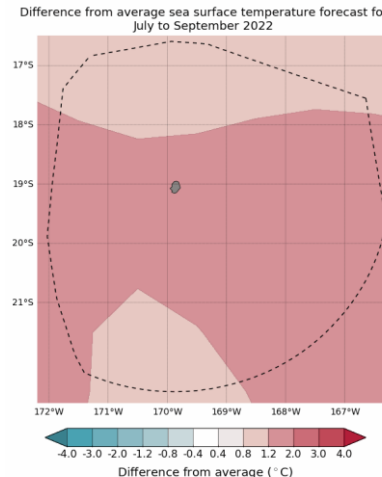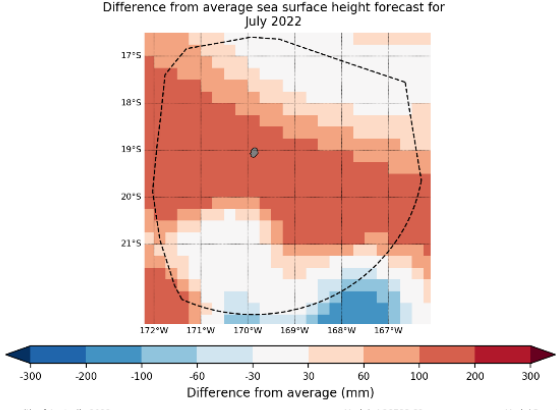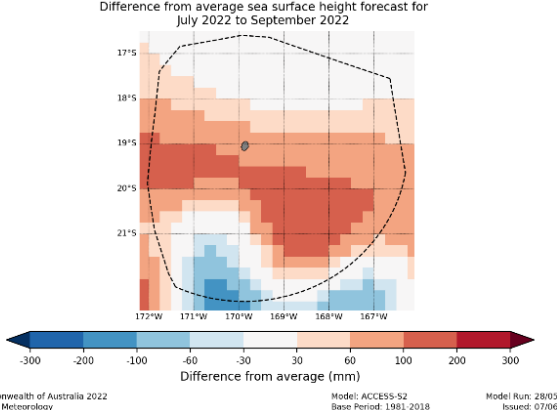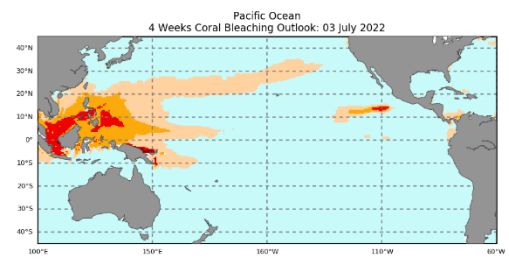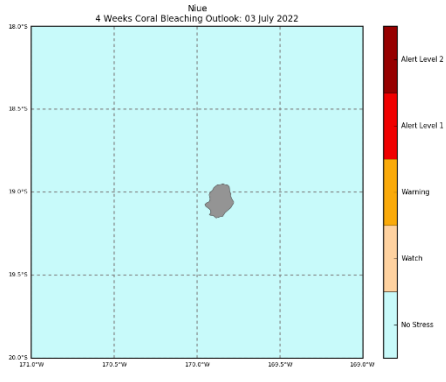
Very High: 25 ≤X < 35 Exceptional: X ≥ 35

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

Monthly: July	Seasonal: July to September
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: May 2022/March to May 2022 statement *(Highly significant changes)*

Hanan Airports monthly rainfall for May was normal. Last three month's rainfall was above normal.

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

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

The rainfall outlook for Niue for July is likely to be above normal while rainfall for July to September 2022 is very likely to be above normal. Maximum and Minimum monthly and seasonal temperatures is very likely to be above normal

Part 2: Recent Ocean summary statement

Monthly and last three months: May/March to May 2022 *(Highly significant changes)*

For May and the last three months, the sea surface temperature anomaly shows warmer conditions experienced in Niue with maximum temperature difference of 1.0 – 1.5 degrees Celsius.

Above normal sea level anomaly were also observed in the month of May ranging from 200-250 mm.

Coral bleaching is on 'No Stress" status.

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

Ocean Variable statement *(Highly significant changes)*

The outlook for Niue shows a significant temperature difference of up to 2.0 degrees Celsius warmer than average for July and over the months July to September.

The sea level anomaly forecast shows above normal conditions for July with 100-200 mm sea level height difference. The seasonal forecast shows an above normal sea level difference of 60-200mm for the months of July to September.

Coral bleaching outlook has a "No stress" alert status for Niue.

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

Product	Date: May 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	31/05/2022	• Private Sector • Government Officials • Government staff	50	20	30
EAR Watch					
Monthly Climate Briefing	10/05/2022 17/05/2022	Village council reps Stakeholders Government Officials Private sector Niue High School Students	25 25	9 5	16 20
Ocean Outlook					
Climate data request					
		Total	**100**	**34**	**66**

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