# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 198

**Country: Tonga** 

**Part 1: Recent climate** 

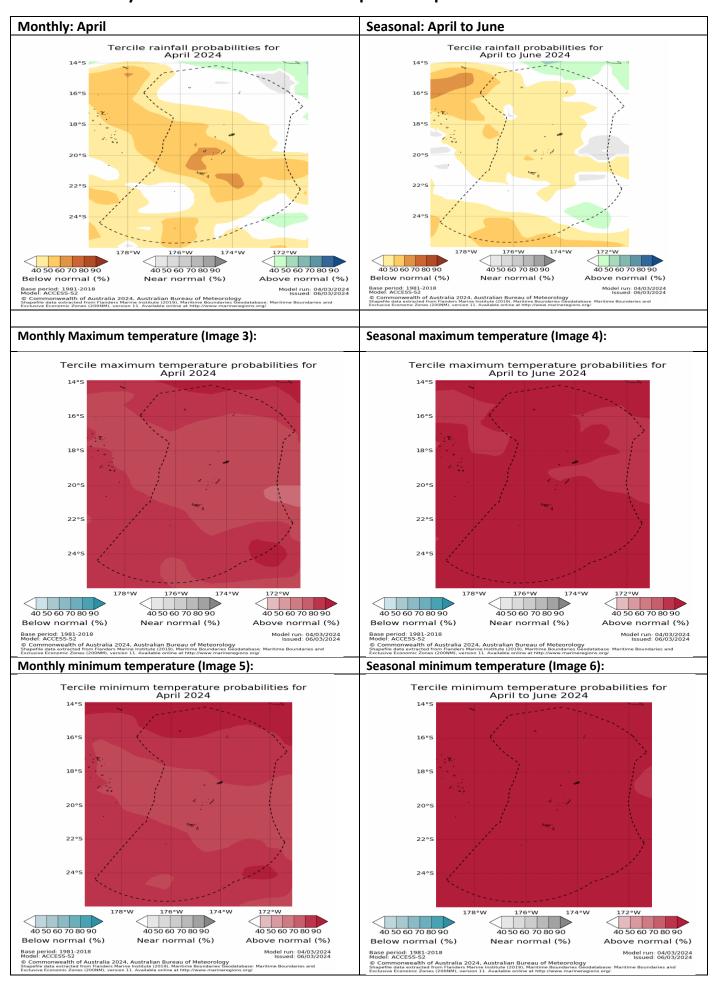
**TABLE 1: Monthly Rainfall** 

Station (include data period)	Dec-2023	Jan-2024	Feb-2024					
			Total (mm)	33%tile	67%tile	Median	Rank	
	Total (mm)	Total (mm)	Rainfall (mm)				Nank	
Northern Division								
Niuafo'ou (1971-2024)	211.5	138.0	362.0	220.1	309.7	245.8	37/51	
Niuatoputapu (1947-2024)	138.5	175.0	390.5	190.0	269.8	226.0	61/77	
Central Division								
Vava'u (1947-2024)	136.0	277.5	275.1	201.2	317.0	224.0	47/78	
Ha'apai (1947-2024)	63.1	195.4	106.8	138.3	258.3	191.8	16/78	
Southern Division								
Fua'amotu (1979-2024)	75.3	625.1	134.0	148.2	271.6	205.5	13/45	
Nuku'alofa (1944-2024)	44.0	464.5	141.5	162.0	286.5	228.8	24/80	

**TABLE 2: Three-month Total Rainfall for December 2023 to February 2024** 

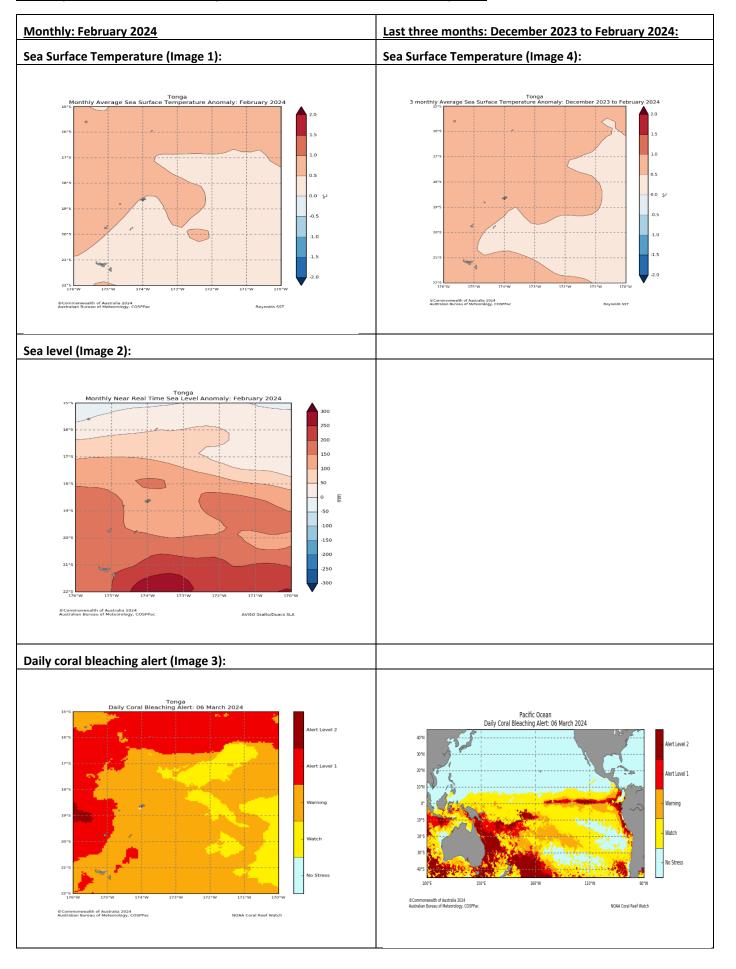
Station	Three-month Total		33%tile	67%tile	Median	Rank		
Northern Division								
Niuafo'ou (1971-2024)	711.5	Normal	702.8	951.1	845.8	17/47		
Niuatoputapu (1947- 2024)	704.0	Normal	633.0	911.4	747.0	33/72		
Central Division								
Vava'u (1947-2024)	688.6	Normal	622.7	921.0	745.4	30/77		
Ha'apai (1947-2024)	365.3	365.3 Below normal		435.0 678.0		21/77		
Southern Division								
Fua'amotu (1979-2024)	834.4	Above normal	442.9	809.0	639.8	33/44		
Nuku'alofa (1944-2024)	650.0	Normal	452.0	744.1	568.0	47/80		

# Part 1i. Monthly and Seasonal Outlooks for April and April to June 2024

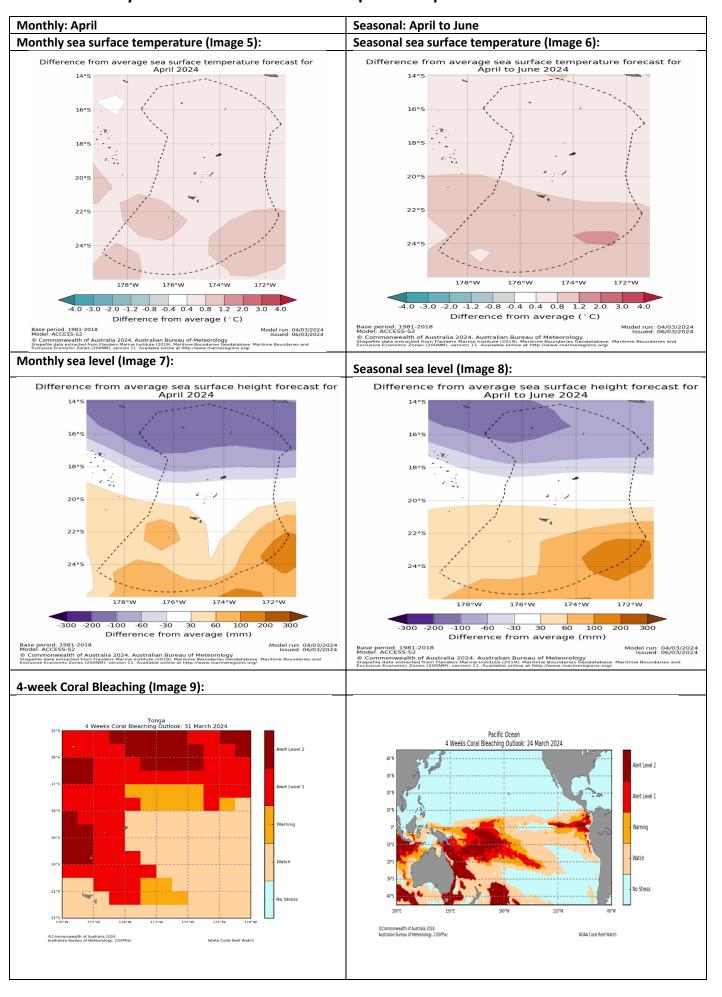


## **Part 2: Recent Ocean Observation**

#### Monthly/Three months: February 2024 and December 2023 to February 2024



# Part 2i. Monthly and Seasonal Outlooks for April and April to June 2024



### **Summary Statement**

#### Monthly and last three months: February 2024/December 2023 to February 2024 statement

February 2024 rainfall was above normal in the Northern Division, near-normal at Vava'u, and below normal rainfall at remaining sites.

December 2023 to February 2024 rainfall was above normal at Fua'amotu, below normal at Ha'apai, and near-normal at remaining sites.

### Part 1i. Monthly and Seasonal Outlooks for April and April to June 2024

#### Monthly /Seasonal rainfall and temperature Outlook statements

Tonga's April rainfall is likely or very likely to be below normal over the Central and Southern Divisions. The outlook offers little guidance for Niuafo'ou and Niuatoputapu.

The rainfall for April to June is likely to be below normal over all of Tonga's main islands.

Maximum and minimum temperatures during April and averaged over April to June, are very likely to be above normal throughout the Country.

#### Part 2: Recent Ocean summary statement

#### Monthly and last three months: February 2024/December 2023 to February 2024

February ocean temperatures around Tonga were near normal to above normal.

Averaged over December to February, ocean temperatures around Tonga were near normal to 0.5 to 1.0°C above-normal.

February sea levels around Tonga were 50 to 200mm above normal.

Coral bleaching alert reveals 'Warning' for Tonga.

### Part 2i. Monthly and Seasonal Outlooks for April and April to June 2024

#### **Ocean Variable statement**

April ocean temperatures and average over April to June ocean temperatures around Tonga are predicted to be 0.4 to 1.2°C above normal.

April sea levels and averaged over April to June sea levels around Tonga are predicted to be 30 to 200mm below normal for Vava'u and the Niuas, and 30 to 200mm above normal for Tongatapu.

The 4 week coral bleaching outlook to 31st March 2024 shows 'Alert Level 1' for majority of Tonga.

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

Product	Date: February 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate Bulletin	11 March	Government ministries, NGOs, Media, Private sector	155	118	37	
EAR Watch						
Monthly Climate Briefing						
Ocean Outlook						
Climate data request						
		Total	115	118	37	