# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 187

**Country: Fiji** 

Part 1: Recent climate

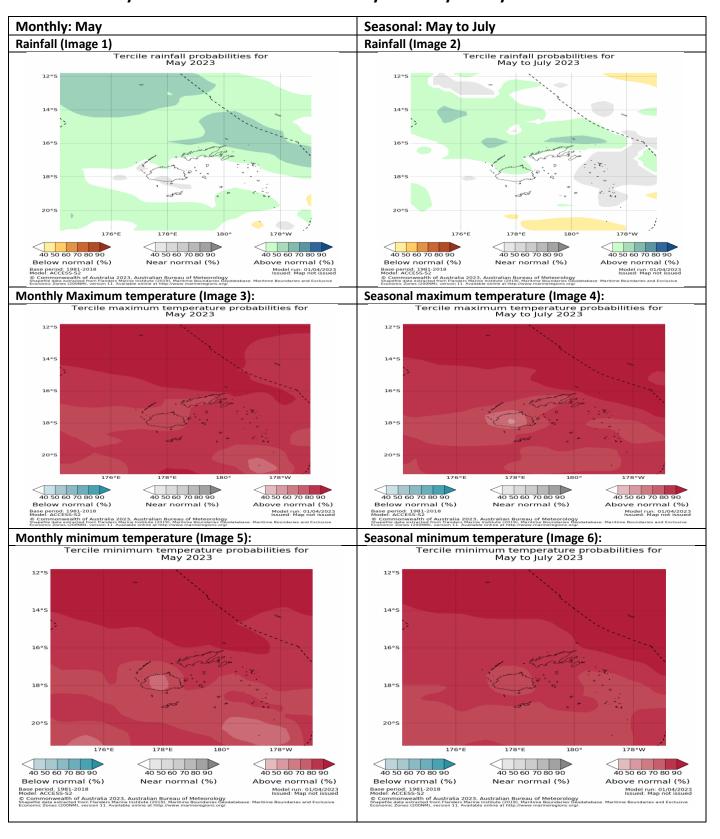
**TABLE 1: Monthly Rainfall** 

	Jan-2023	Feb-2023	Mar-2023					
Station (include data period)			Total (mm)	33%tile	67%tile	Median	Rank	
	Total (mm)	Total (mm)	Rainfall (mm)					
Western Division								
Penang Mill (1910-2023)	490.5	580.2	475.7	292.3	456.8	382.2	85/114	
Lautoka Mill (1900-2023)	419.8	688.6	342.4	231.8	420.5	308.3	70/123	
Nadi Airport (1942-2023)	711.9	643.7	360.2	258.3	417.2	321.2	50/80	
	Central Division							
Laucala Bay (Suva) (1942-2023)	378.9	425.3	157.2	297.5	433.3	343.3	8/82	
Nausori Airport (1957-2023)	341.1	373.7	140.4	307.6	442.8	362.6	3/67	
Tokotoko (Navua) (1945-2023)	294.5	294.0	228.0	318.2	438.9	378.0	12/79	
Eastern Division								
Lakeba (1950-2023)	165.3	321.1	167.5	212.6	328.1	260.2	9/73	
Vunisea (Kadavu) (1931-2023)			309.2	228.6	309.7	285.3	61/87	
Ono-i-Lau (1943-2023)	167.1	334.0	172.4	170.7	294.4	229.4	27/76	
Northern Division								
Labasa Airport (1946-2023)	369.5	548.0	307.8	264.1	421.9	329.4	30/67	
Savusavu Airfield (1956-2023)	212.4	253.2	200.3	182.7	278.6	229.2	27/65	
Udu Point (1946-2023)	286.7	315.7	239.9	257.1	361.8	301.2	23/76	
Rotuma (1912-2023)	168.1	205.5	321.1	273.2	401.8	326.4	52/110	

**TABLE 2: Three-month Total Rainfall for January to March 2023** 

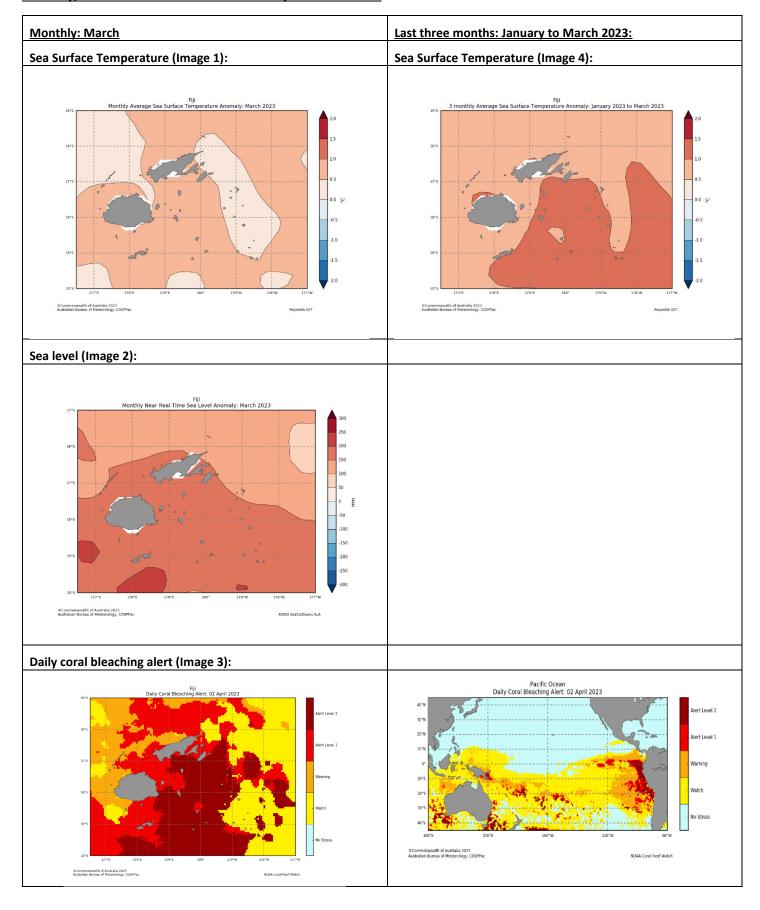
Station	Three-month Total		33%tile	67%tile	Median	Rank		
Western Division								
Penang Mill (1910-2023)	1546.4	Above normal	1040.2	1266.9	1133.0	97/114		
Lautoka Mill (1900-2023)	1450.8	Above normal	870.9	1169.1	1029.1	107/123		
Nadi Airport (1942-2023)	1715.8	Above normal	838.6	1150.5	940.6	76/80		
Central Division								
Laucala Bay (Suva) (1942-2023)	961.4	Normal	858.6	1071.6	996.4	35/82		
Nausori Airport (1957-2023)	855.2	Below normal	893.5	1077.4	998.0	19/67		
Tokotoko (Navua) (1945-2023)	816.5	Below normal	917.4	1197.3	1057.3	12/77		
Eastern Division								
Lakeba (1950-2023)	653.9	Below normal	659.7	896.6	767.7	24/72		
Vunisea (Kadavu) (1931-2023)			677.7	876.6	789.1			
Ono-i-Lau (1943-2023)	673.5	Normal	485.7	751.3	619.5	45/73		
Northern Division								
Labasa Airport (1947-2023)	1225.3	Normal	954.4	1305.0	1109.2	35/64		
Savusavu Airfield (1957-2023)	665.9	Below normal	669.4	855.5	780.7	20/60		
Udu Point (1946-2023)	842.3	Normal	817.6	1047.6	982.4	28/74		
Rotuma (1912-2023)	694.7	Below normal	891.1	1154.6	1043.5	6/110		

## Part 1i. Monthly and Seasonal Outlooks for May and May to July 2023

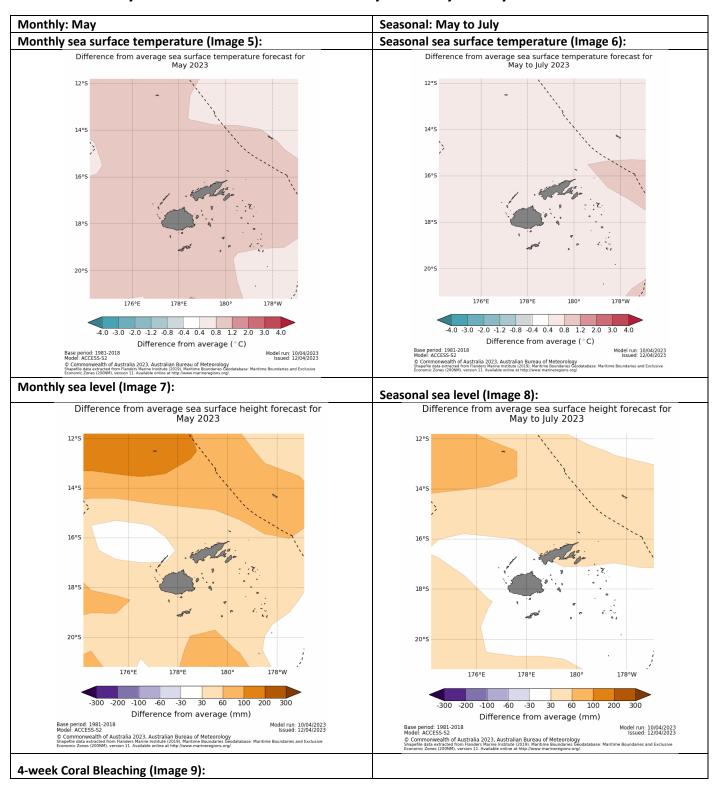


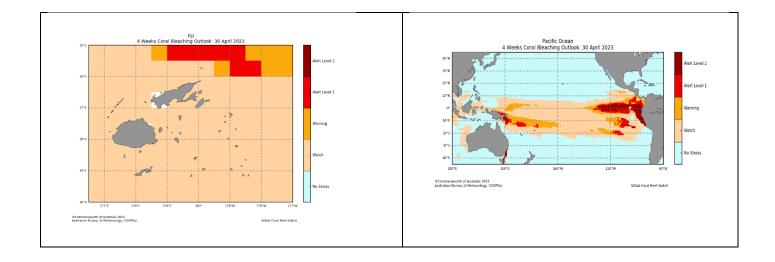
### **Part 2: Recent Ocean Observation**

### Monthly/Three months: March and January to March 2023



# Part 2i. Monthly and Seasonal Outlooks for May and May to July 2023





### **Summary Statement**

#### Monthly and last three months: March 2023/January to March 2023 statement

For March 2023, above normal rainfall was registered at Penang Mill. Near-normal rainfall was recorded at Lautoka Mill, Nadi Airport, Vunisea (Kadavu), Ono-i-Lau, Labasa Airport, Savusavu Airfield and Rotuma. Below normal rainfall was recorded across Central Division, Lakeba and Udu Point. Nausori Airport, Laucala Bay (Suva) and Lakeba registered their third, and eighth and ninth driest March in 67, 82 and 73 years of record, respectively.

For January to March 2023, *above normal* rainfall was recorded in the Western Division, but *near-normal* to *below normal* totals were observed elsewhere. Nadi Airport registered its fifth wettest January to March in 80 years of record, while Rotuma recorded its sixth driest.

### Part 1i. Monthly and Seasonal Outlooks for May and May to July 2023

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

The rainfall for May is likely to be *above normal* over Vanua Levu, Taveuni, Yasawa Group, parts of the northern and southern Lau Group, and Rotuma. In Viti Levu, Kadavu, Lomaiviti Group and Central Lau Group, the outlook offers little guidance.

The rainfall for May to July is likely to be *above normal* over western Viti Levu, western Vanua Levu, Yasawa Group, and Rotuma. *Near normal* rainfall is likely for Lau Group. In remaining parts of the country, the outlook offers little guidance.

Both maximum and minimum temperatures for Fiji for May and May to July 2023 are very likely to be above normal.

### Part 2: Recent Ocean summary statement

#### Monthly and last three months: March 2023/January to March 2023

March ocean temperatures around Fiji were 0.5 to 1.0°C above normal.

Averaged over January to March, ocean temperatures around Fiji were 0.5 to 1.5°C above normal.

March sea levels around Fiji were 100mm to 200mm above normal.

Coral bleaching alert is at 'Alert Level 2' for most of the Fiji Waters.

# Part 2i. Monthly and Seasonal Outlooks for May and May to July 2023

#### **Ocean Variable statement**

May ocean temperatures around Fiji are predicted to be 0.8 to 1.2°C above normal. Averaged over May to July, ocean temperatures around Fiji are predicted to be 0.4 to 0.8°C near normal.

May sea levels around Fiji are predicted to be 30mm to 60mm near normal, while Rotuma is predicted to be 100-200mm above normal.

Averaged over May to July, sea levels around most of Fiji are predicted to be -30mm to 60mm near normal, and Rotuma is predicted to be 60-100mm above normal.

Coral bleaching outlook for the next four weeks is at 'Watch' for most of the Fiji waters.

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

Product	Date: March 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Fiji Climate Summary	07/03/23	General Public	140	106	34
EAR Watch	10/03/23	Humanitarian partners	122	96	26
Fiji Climate Outlook	31/03/22	General public	124	93	31
Climate Outlook for Monasavu	31/03/23	Energy Fiji Limited	13	13	-
Fiji Ocean Outlook	20/03/23	A number of key ocean related stakeholders	36	29	7
ENSO Update	27/30/23	General Public	142	116	26
Fiji Sugarcane Rainfall Outlook	29/03/22	Sugar Industry stakeholders	77	60	17
Meteorological Data Request	01/03/23 to 31/03/23	A range of stakeholders	43	34	9
Total			697	547	150