# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 189

**Country: Fiji** 

Part 1: Recent climate

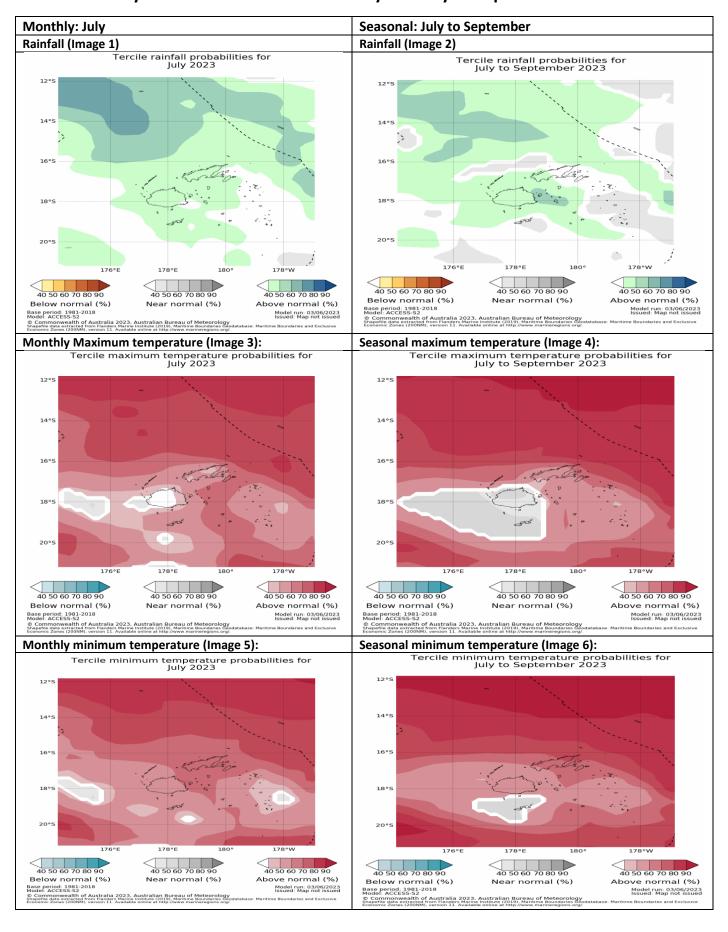
**TABLE 1: Monthly Rainfall** 

	Mar-2023	Apr-2023	May-2023					
Station (include data period)			Total (mm)	33%tile	67%tile	Median	Rank	
	Total (mm)	Total (mm)	Rainfall (mm)				l num	
Western Division								
Penang Mill (1910-2023)	475.7	223.4	171.8	61.8	164.8	109.4	81/114	
Lautoka Mill (1900-2023)	342.4	121.0	99.3	39.9	105.4	63.6	70/124	
Nadi Airport (1942-2023)	360.2	113.6	136.9	42.7	107.0	72.7	62/81	
		Centr	al Division					
Laucala Bay (Suva) (1942-2023)	157.2	163.9	197.7	175.5	260.3	199.6	40/82	
Nausori Airport (1957-2023)	140.4	143.1	246.9	160.9	257.2	198.2	43/67	
Tokotoko (Navua) (1945-2023)	228.0	87.5	150.5	184.4	320.6	254.3	17/79	
		Easte	rn Division					
Lakeba (1950-2023)	167.5	162.6	63.7	81.3	168.0	107.6	19/73	
Vunisea (Kadavu) (1931-2023)	309.2	101.9	85.4	111.3	209.1	146.0	19/87	
Ono-i-Lau (1943-2023)	172.4	71.3	73.0	69.3	150.5	103.6	30/76	
Northern Division								
Labasa Airport (1946-2023)	307.8	89.5	164.8	58.1	120.5	85.5	55/68	
Savusavu Airfield (1956-2023)	200.3	60.3	193.8	119.1	200.8	153.4	43/65	
Udu Point (1946-2023)	239.9	131.7		110.6	177.5	144.4		
Rotuma (1912-2023)	321.1	197.6	261.2	222.3	340.0	271.8	49/110	

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

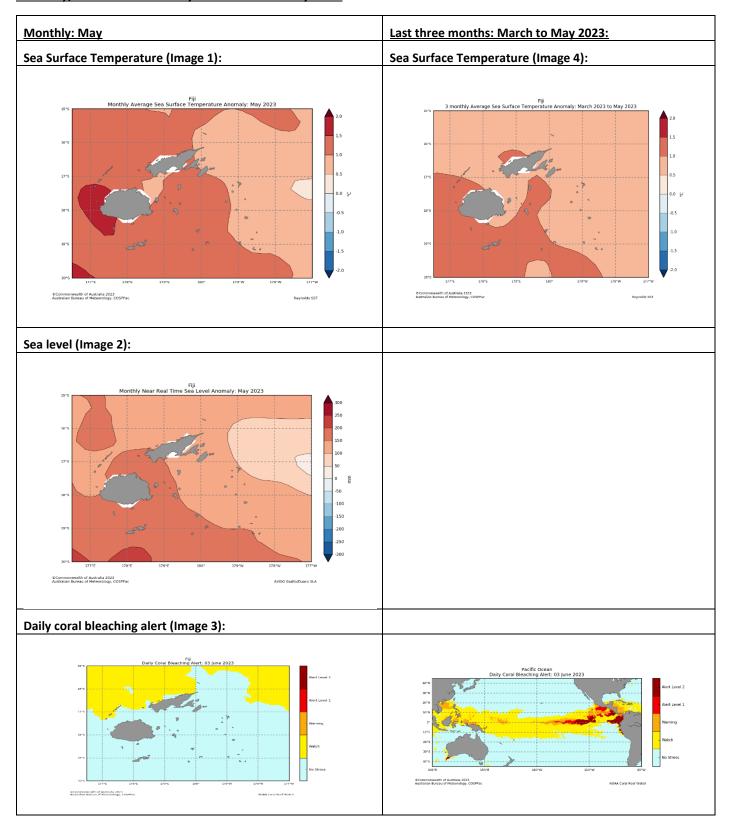
Station	Three-month Total		33%tile	67%tile	Median	Rank		
Western Division								
Penang Mill (1910-2023)	870.9	Normal	670.8	934.7	779.6	74/113		
Lautoka Mill (1900-2023)	562.7	Normal	537.2	719.5	602.0	58/123		
Nadi Airport (1942-2023)	610.7	Normal	508.6	658.7	585.2	43/80		
Central Division								
Laucala Bay (Suva) (1942-2023)	518.8	Below normal	818.6	1076.7	912.7	3/82		
Nausori Airport (1957-2023)	530.4	Below normal	803.4	1047.7	916.4	3/67		
Tokotoko (Navua) (1945-2023)	466.0	Below normal	926.5	1219.9	1029.7	1/79		
Eastern Division								
Lakeba (1950-2023)	393.8	Below normal	547.1	721.3	649.5	10/71		
Vunisea (Kadavu) (1931-2023)	496.5	Below normal	640.2	764.3	719.7	14/86		
Ono-i-Lau (1943-2023)	316.7	Below normal	462.2	643.8	527.0	9/74		
Northern Division								
Labasa Airport (1947-2023)	562.1	Below normal	566.2	838.7	700.5	23/67		
Savusavu Airfield (1957-2023)	454.4	Below normal	573.6	733.7	664.4	8/64		
Udu Point (1946-2023)			621.4	844.3	723.0			
Rotuma (1912-2023)	779.9	Below normal	806.2	1005.5	945.8	33/109		

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

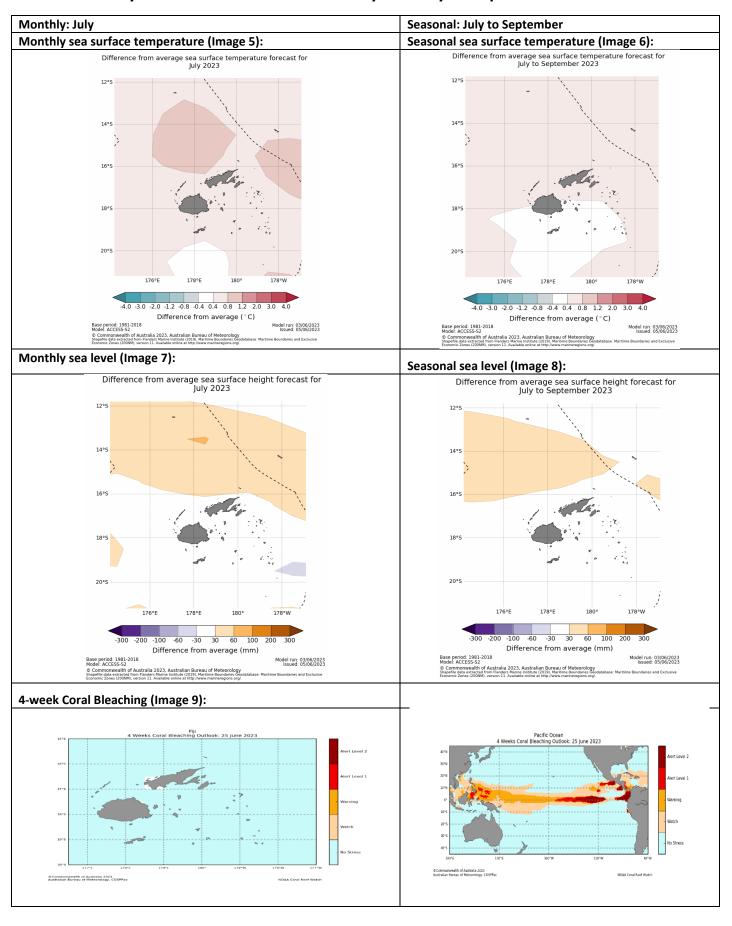


# **Part 2: Recent Ocean Observation**

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



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



## **Summary Statement**

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

For May 2023, above normal rainfall was recorded at Penang Mill, Nadi Airport and Labasa Airport, near-normal rainfall was registered at Lautoka Mill, Laucala Bay (Suva), Nausori Airport, Ono-i-Lau, Savusavu Airfield and Rotuma, while below normal rainfall was recorded at Tokotoko (Navua), Lakeba and Vunisea.

For March to May 2023, *near-normal* rainfall was recorded across the Western Division, while *below normal* rainfall was recorded across Central, Eastern and Northern Divisions, and at Rotuma. Tokotoko (Navua), Nausori Airport and Laucala Bay, Savusavu Airfield and Ono-i-Lau recorded their driest, third driest, eighth driest and ninth driest in 79, 67 and 82, 64, and 74 years of record, respectively.

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

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

The rainfall for July is likely to be *above normal* for Western, Central and Northern Divisions, and Lomaiviti Group. In Lau Group the outlook offers little guidance.

The rainfall for July to September is likely to be *above normal* for Western and Central Divisions, Lomaiviti Group, and some parts of Northern Division. *Near-normal* rainfall is likely for Kadavu plus the Central and southern Lau Group. In remaining parts of the country, the outlook offers little guidance.

Both maximum and minimum temperatures for Fiji for July and averaged over July to September 2023 are very likely to be *above normal*, except for some parts of Viti Levu and Kadavu where the outlook offers little guidance.

## Part 2: Recent Ocean summary statement

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

May ocean temperatures around Fiji were 0.5 to 1.5°C above normal.

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

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

Coral bleaching alert is at 'Watch' for Yasawa Islands and waters north of Vanua Levu.

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

### **Ocean Variable statement**

July ocean temperatures around Fiji are predicted to be 0.4 to 1.2°C above normal.

Averaged over July to September, ocean temperatures are predicted to be 0.4 to 0.8°C above normal for northern Viti Levu, Vanua Levu and Yasawa Islands. The remaining parts of Fiji are predicted to experience near normal ocean temperatures.

The monthly and seasonal sea surface heights are likely to be near normal for majority of Fiji with exception around Rotuma predicted to be 30-60mm above normal for July.

Coral bleaching outlook for the next four weeks is at 'No Stress' for most of the Fiji waters.

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

Product	Date: May 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Fiji Climate Summary	5/05/2023	General Public	140	106	34	
EAR Watch	8/05/2023	Humanitarian partners	122	96	26	
Fiji Climate Outlook	31/05/2023	General public	124	93	31	
Climate Outlook for Monasavu	30/05/2023	Energy Fiji Limited	13	13	-	
Fiji Ocean Outlook	19/05/2023	A number of key ocean related stakeholders	36	29	7	
Fiji Sugarcane Rainfall Outlook	31/05/2023	Sugar Industry stakeholders	77	60	17	
ENSO Update	25/05/23	General Public	142	116	26	
Sub-regional ROK-PI CLiPs 2 Climate Prediction Tools Training	01/05/- 05/05	Pacific Island National Meteorological Services	18	16	2	
Meteorological Data Request	1/05/2023- 31/05/2023	A range of stakeholders	42	34	8	
Total			714	563	151	