Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 193

Country: Fiji

Part 1: Recent climate

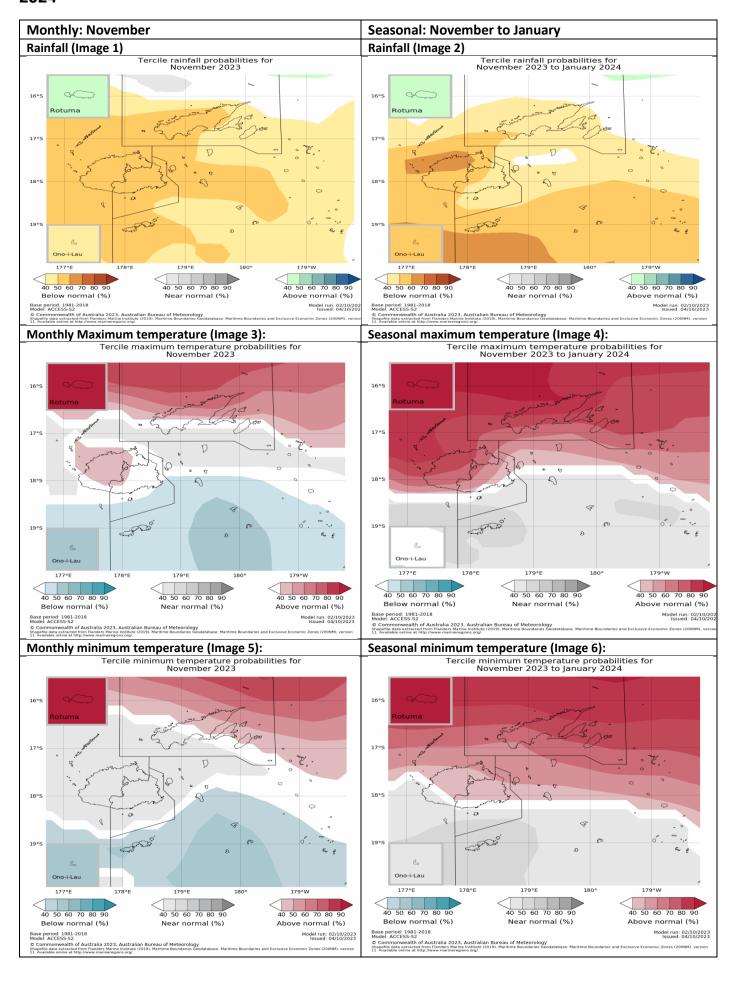
TABLE 1: Monthly Rainfall

	Jul-2023	Aug-2023	Sep-2023					
Station (include data period)		J	Total (mm)	33%tile	67%tile	Median	Rank	
	Total (mm)	Total (mm)	Rainfall (mm)				Nank	
		Weste	rn Division					
Penang Mill (1910-2023)	76.8	51.8	142.9	40.8	87.3	59.2	93/113	
Lautoka Mill (1900-2023)	52.0	41.5	210.6	31.6	85.9	56.0	118/124	
Nadi Airport (1942-2023)	49.6	134.2	141.6	36.3	87.9	62.5	68/82	
		Centro	al Division					
Laucala Bay (Suva) (1942-2023)	234.3	306.1	215.7	113.7	220.8	147.7	52/82	
Nausori Airport (1957-2023)	184.8	211.1	153.6	108.1	200.5	144.0	37/67	
Tokotoko (Navua) (1945-2023)	272.5	268.0	188.5	157.4	288.1	214.4	36/78	
		Easter	n Division					
Lakeba (1950-2023)	77.8	111.5	29.5	68.8	126.2	92.4	10/74	
Vunisea (Kadavu) (1931-2023)	85.4	173.0	134.5	93.2	167.7	133.5	49/86	
Ono-i-Lau (1943-2023)	58.0	148.0	77.0	72.5	122.9	101.0	31/76	
Northern Division								
Labasa Airport (1946-2023)	27.2	58.7	139.5	37.3	77.3	59.7	56/65	
Savusavu Airfield (1956-2023)	108.6	88.1	173.2	79.0	132.4	102.8	50/65	
Udu Point (1946-2023)	67.0	398.0	38.8	74.1	149.5	108.3	13/74	
Rotuma (1912-2023)	517.9	211.5	78.6	168.0	270.0	210.4	6/107	

TABLE 2: Three-month Total Rainfall for July to September 2023

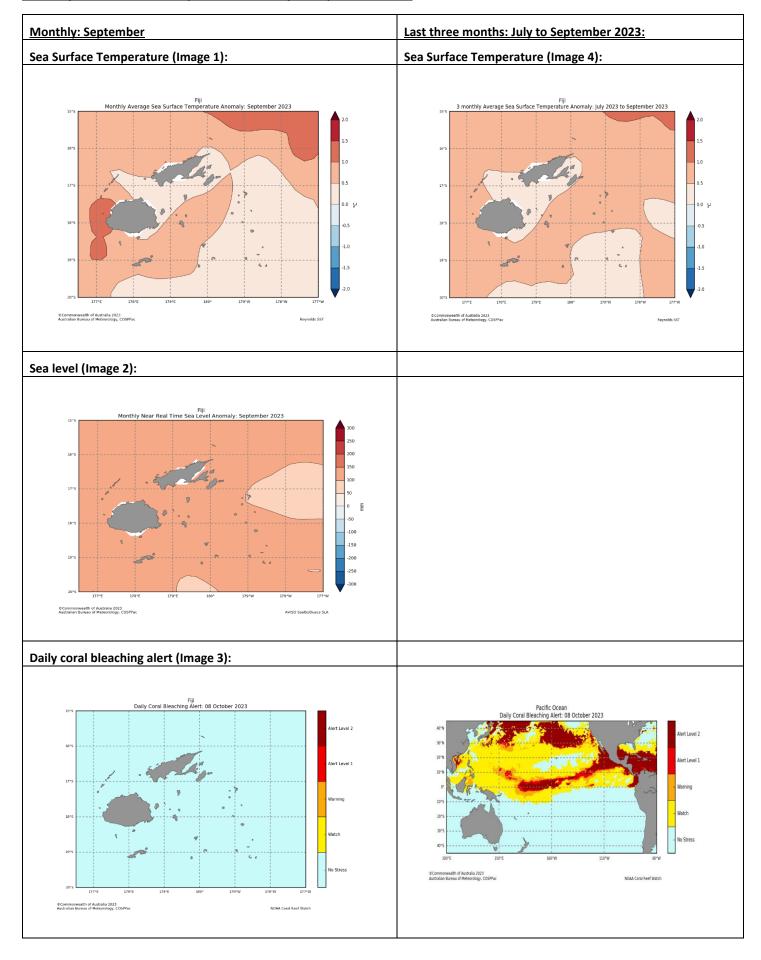
Station	Three-month Total		33%tile	67%tile	Median	Rank			
	Rainfall (mm)								
Western Division									
Penang Mill (1910-2023)	271.5	Above normal	129.9	226.5	184.8	91/113			
Lautoka Mill (1900-2023)	304.1	Above normal	112.7	214.5	154.6	104/123			
Nadi Airport (1942-2023)	325.4	Above normal	128.5	210.3	174.2	74/82			
	•	Central Division							
Laucala Bay (Suva) (1942-2023)	756.1	Above normal	383.9	560.6	451.7	73/82			
Nausori Airport (1957-2023)	549.5	Above normal	363.8	525.0	433.4	52/67			
Tokotoko (Navua) (1945-2023)	729.0	Above normal	512.5	660.3	592.0	58/77			
Eastern Division									
Lakeba (1950-2023)	218.8	Normal	203.6	314.0	240.3	30/72			
Vunisea (Kadavu) (1931-2023)	392.9	Normal	295.8	399.5	347.0	57/84			
Ono-i-Lau (1943-2023)	283.0	Normal	252.4	338.6	295.5	35/75			
Northern Division									
Labasa Airport (1947-2023)	225.4	Above normal	110.6	188.1	154.2	48/65			
Savusavu Airfield (1957-2023)	369.9	Above normal	242.2	336.0	304.0	46/65			
Udu Point (1946-2023)	503.8	Above normal	240.6	350.2	296.1	67/73			
Rotuma (1912-2023)	808.0	Above normal	573.0	762.2	655.2	74/106			

Part 1i. Monthly and Seasonal Outlooks for November and November 2023 to January 2024

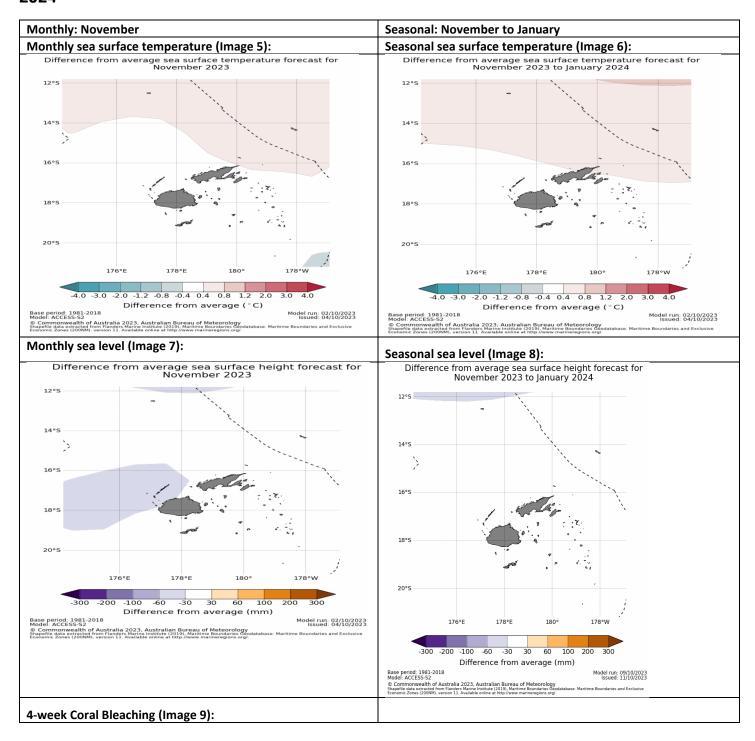


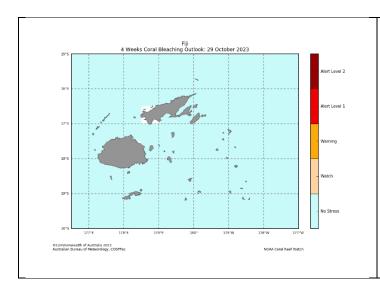
Part 2: Recent Ocean Observation

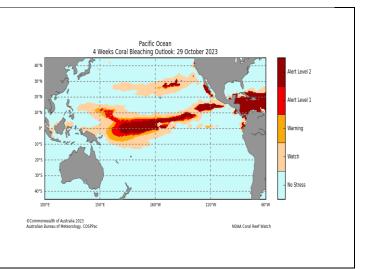
Monthly/Three months: September and July to September 2023



Part 2i. Monthly and Seasonal Outlooks for November and November 2023 to January 2024







Summary Statement

Monthly and last three months: September 2023/July to September 2023 statement

For September 2023, *above normal* rainfall was recorded across Western Division, at Labasa and Savusavu, while *near-normal* rainfall was recorded across Central Division, at Kadavu and Ono-i-Lau. *Below normal* rainfall was observed at Lakeba, Udu Point and Rotuma. Lakeba and Rotuma recorded their tenth and sixth driest September in 74 and 104 years of record, respectively. In contrast, Lautoka had its seventh wettest September in 124 years of record.

For July to September 2023, *above normal* rainfall was recorded across the Western, Central and Northern Divisions, and at Rotuma, while *near-normal* rainfall was recorded across the Eastern Division. Nadi and Laucala Bay recorded their ninth and tenth wettest July to September period, respectively, in 82 years of record.

Part 1i. Monthly and Seasonal Outlooks for November and November 2023 to January 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for November and November 2023 to January 2024 is likely to be *below normal* across the Fiji Group, while *above normal* is likely for Rotuma.

Maximum temperature for Fiji for November is likely to be *above normal* for western parts of Viti Levu, northern parts of Vanua Levu and Rotuma, while *near-normal* is likely for Viwa, northern parts of Yasawa group and most parts of the Eastern Division. *Below normal* November maxima are likely for Kadavu, southern parts of Lau Group and Ono-i-Lau, while in remaining parts of Fiji the outlook offers little guidance.

Minimum temperature for November is likely to *above normal* for northern parts of Vanua Levu, Taveuni, and Rotuma, *near-normal* for the Western and Central Division, Vatulele and Beqa, and *below normal* for Kadavu, southern parts of Lau Group and Ono-i-Lau. There is little guidance for the remaining parts of Fiji.

Maximum temperature averaged over November to January 2024 is likely to be *above normal* across the Western, Central and Northern Divisions, and northern parts of the Lau Group and Rotuma, and *near-normal* temperatures for southern parts of the Lau Group and Kadavu. There is little guidance for the remaining parts of Fiji.

Minimum temperature averaged over November to January 2024 is likely to be above normal across the Western, Central and Northern Divisions, the northern Lau Group, and Rotuma, and *near-normal* for the remaining parts of Fiji.

Part 2: Recent Ocean summary statement

Monthly and last three months: September 2023/July to September 2023

September ocean temperatures around Fiji were 0.0°C to 1.5°C above normal.

Averaged over July to September, ocean temperatures around Fiji were 0.0°C to 1.5°C above normal.

September sea levels around Fiji were 100mm to 150mm above normal.

Coral bleaching alert is at 'No Stress' for Fiji Waters.

Part 2i. Monthly and Seasonal Outlooks for November and November to January 2024

Ocean Variable statement

November and averaged over November to January 2024, ocean temperatures around Fiji are predicted to be 0.4 to 0.8°C *above normal* for Rotuma. The remaining parts of Fiji are predicted to experience *near normal* ocean temperatures.

The monthly sea surface heights are likely to be 30 to 60mm *below normal* for Viwa and Yasawa Group, while remaining parts of the Fiji group are likely to be *near normal*. Seasonal sea surface heights are likely to be *near normal* across the Fiji Group.

Coral bleaching outlook is predicted to have no thermal stress for Fiji for the next four weeks.

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

Product	Date: August 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Fiji Climate Summary	07/09/2023	General Public	140	106	34	
EAR Watch	11/09/2023	Humanitarian partners	122	96	26	
Fiji Climate Outlook	29/09/2023	General public	124	93	31	
Climate Outlook for Monasavu	29/09/2023	Energy Fiji Limited	13	13	-	
Fiji Ocean Outlook	20/09/2023	A number of key ocean related stakeholders	36	29	7	
ENSO Update	25/09/2023	General Public	142	116	26	

Total			689	546	143	
Meteorological Data Request	1/09/2023- 30/09/2023	A range of stakeholders	35	33	2	
Fiji Sugarcane Rainfall Outlook	29/09/2023	Sugar Industry stakeholders	77	60	17	

Flash Flooding in the Central Division – 13th to 14th September 2023



Figure 1: Flash flooding in Wainadoi on 14th September, 2023. Source: NDMO



Figure 2: Flash flooding in Wainadoi on 14th September, 2023. Source: NDMO

Flash Flooding in the Western Division – 26th September 2023



Figure 3: Vuda Back Road 1st crossing, Lautoka on 26th September, 2023. Source: Fiji Roads Authority.



Figure 4: Vaivai Road 1st crossing, Nadi on 26th September, 2023. Source: Fiji Roads Authority.