Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 192

Country: Fiji

Part 1: Recent climate

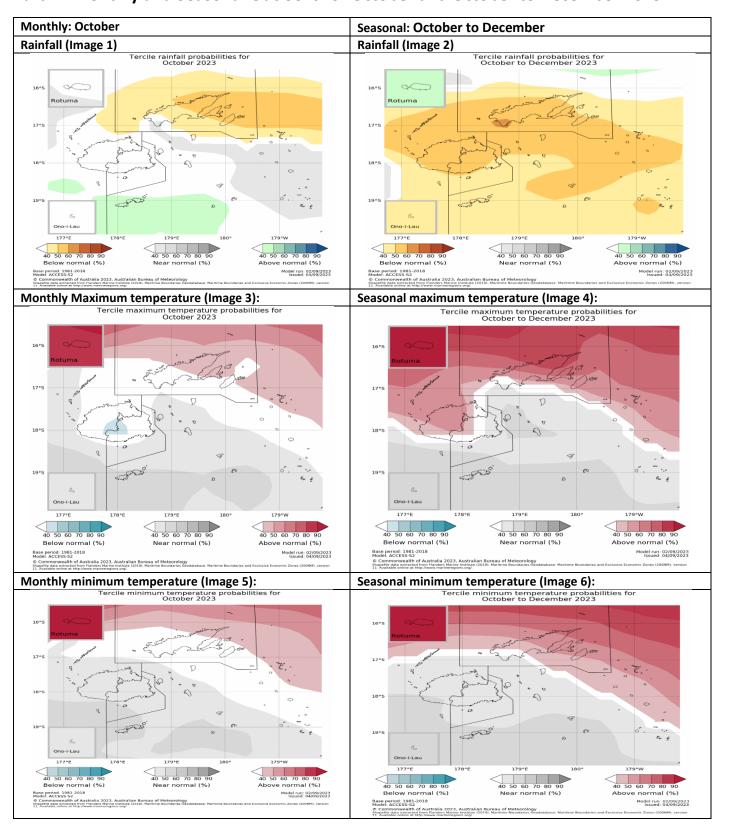
TABLE 1: Monthly Rainfall

	Jun-2023	Jul-2023	Aug-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)	164.2	76.8	51.8	36.2	74.6	51.2	57/114	
Lautoka Mill (1900-2023)	38.1	52.0	41.5	20.6	53.2	39.2	61/124	
Nadi Airport (1942-2023)	86.7	49.6	134.2	23.8	61.2	48.5	72/82	
		Centro	al Division					
Laucala Bay (Suva) (1942-2023)	314.5	234.3	306.1	90.9	149.3	125.2	73/82	
Nausori Airport (1957-2023)	248.4	184.8	211.1	90.5	154.0	115.5	56/67	
Tokotoko (Navua) (1945-2023)	203.2	272.5	268.0	131.3	204.7	169.1	61/79	
Eastern Division								
Lakeba (1950-2023)	147.9	77.8	111.5	48.3	89.6	71.4	52/74	
Vunisea (Kadavu) (1931-2023)	119.5	85.4	173.0	63.1	125.7	86.2	72/86	
Ono-i-Lau (1943-2023)	92.0	58.0	148.0	54.0	107.4	88.0	59/76	
Northern Division								
Labasa Airport (1946-2023)	103.9	27.2	58.7	13.7	61.0	42.0	42/67	
Savusavu Airfield (1956-2023)	153.8	108.6	88.1	62.8	107.6	83.8	37/67	
Udu Point (1946-2023)	154.5	67.0	398.0	45.6	105.4	86.0	74/74	
Rotuma (1912-2023)	330.4	517.9	211.5	129.1	226.8	175.0	59/108	

TABLE 2: Three-month Total Rainfall for June to August 2023

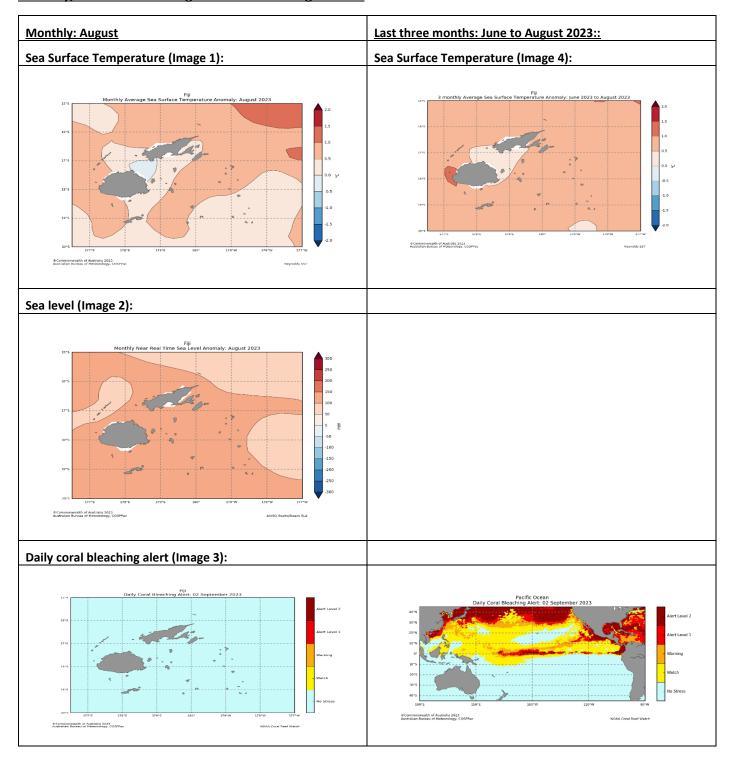
Station	Three-month Total		33%tile	67%tile	Median	Rank		
Western Division								
Penang Mill (1910-2023)	292.8	Above normal	165.4	225.0	190.7	99/114		
Lautoka Mill (1900-2023)	131.6	Normal	113.4	211.3	151.2	52/123		
Nadi Airport (1942-2023)	270.5	Above normal	113.5	200.5	152.0	69/82		
	Central Division							
Laucala Bay (Suva) (1942-2023)	854.9	Above normal	359.8	507.9	435.8	79/82		
Nausori Airport (1957-2023)	644.3	Above normal	337.2	495.1	420.7	58/67		
Tokotoko (Navua) (1945-2023)	743.7	Above normal	469.9	644.7	549.4	60/77		
Eastern Division								
Lakeba (1950-2023)	337.2	Above normal	183.9	296.4	270.1	57/72		
Vunisea (Kadavu) (1931-2023)	377.9	Normal	284.5	418.6	354.2	52/84		
Ono-i-Lau (1943-2023)	298.0	Normal	248.2	337.6	286.0	42/73		
Northern Division								
Labasa Airport (1947-2023)	189.8	Above normal	108.5	174.7	145.3	46/66		
Savusavu Airfield (1957-2023)	350.5	Normal	230.6	363.1	306.8	42/64		
Udu Point (1946-2023)	619.5	Above normal	260.1	400.8	314.1	71/73		
Rotuma (1912-2023)	1059.8	Above normal	585.6	818.0	701.5	99/106		

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2023

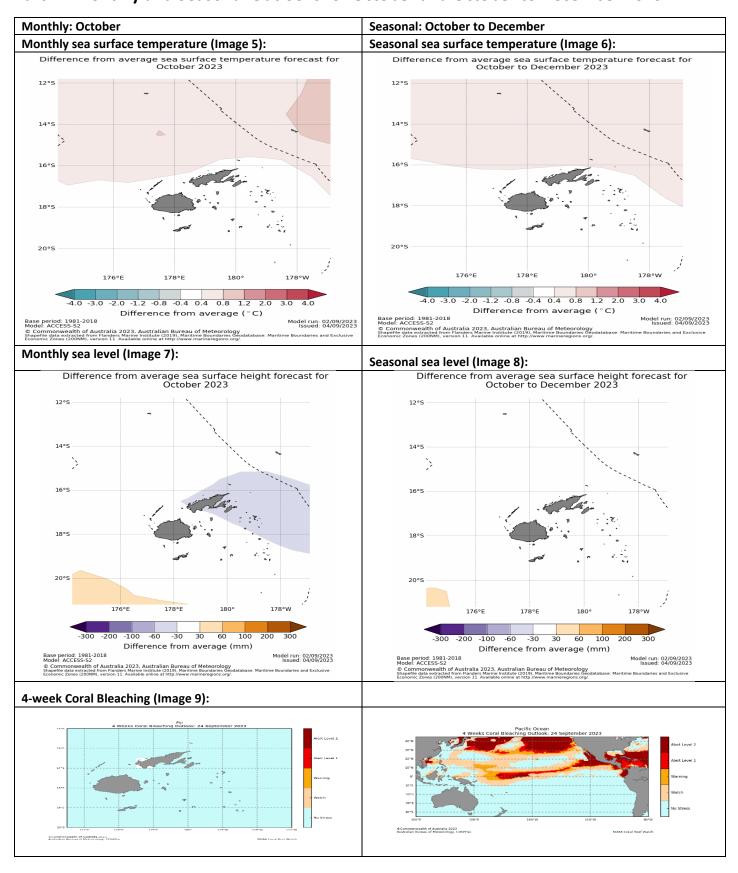


Part 2: Recent Ocean Observation

Monthly/Three months: August and June to August 2023



Part 2i. Monthly and Seasonal Outlooks for October and October to December 2023



Summary Statement

Monthly and last three months: August 2023/June to August 2023 statement

For August 2023, *above normal* rainfall was recorded across Central and Eastern Divisions, plus Nadi and Udu Point, while *near-normal* rainfall was recorded at Penang, Lautoka, Labasa, Savusavu, and Rotuma. Udu Point recorded its wettest August in 74 years of record.

For June to August 2023, *above normal* rainfall was recorded across the Central Division, and at Penang, Nadi, Lakeba, Labasa, Udu Point, and Rotuma, while *near-normal* rainfall was recorded at Lautoka, Vunisea, Ono-i-Lau, and Savusavu. Udu Point, Laucala Bay, and Rotuma recorded their third, fourth, and eighth wettest June to August period in 73, 82, 106 years of record, respectively.

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2023

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for October is likely to be *below normal* across Vanua Levu, and *above normal* for Kadavu and parts of the Moala group. *Near-normal* rainfall is likely for parts of the northern and southern Lau Group, while in remaining parts of the country, the outlook offers little guidance.

The rainfall for October to December is likely or very likely to be *below normal* across the Fiji group, while *above normal* rainfall is likely for Rotuma.

Maximum temperatures for Fiji for October are likely to be *above normal* for northern parts of Vanua Levu and Lau Group, and Rotuma, *near-normal* for Viwa, Vatulele, Beqa, southern parts of Yasawa group and most parts of the Eastern Division. In remaining parts of Fiji, the outlook offers little guidance. Minimum temperatures for October are likely to be *above normal* for the far northeast of Vanua Levu,the northern Lau Group, and Rotuma, *near-normal* for the Western, Central and most parts of the Eastern Division, while there is little guidance for the remaining parts of Fiji.

For October to December 2023, maximum temperatures are likely to be *above normal* across the Western and Northern Divisions, and northern parts of the Lau Group and Rotuma, while for the remaining parts of Fiji, *near-normal* temperatures are likely. Minimum temperatures for October to November 2023 are likely to be above normal for Northern Division, northern Lau Group, and Rotuma, while for the remaining parts of Fiji, *near-normal* temperatures are likely.

Part 2: Recent Ocean summary statement

Monthly and last three months: August 2023/June to August 2023

August ocean temperatures around Fiji were 0.0°C to 1.0°C above normal.

Averaged over June to August, ocean temperatures around most of Fiji were 0.0°C to 1.0°C above normal. Above normal SST anomalies 1.0 to 1.5°C along the western coast of Viti Levu and Mamanuca island group.

August sea levels around Fiji were 50mm to 150mm above normal.

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

Part 2i. Monthly and Seasonal Outlooks for October and October to December 2023

Ocean Variable statement

October and averaged over October to December, ocean temperatures around Fiji are predicted to be 0.4 to 0.8°C above normal for Rotuma. The remaining parts of Fiji are likely to be near normal ocean temperatures.

The monthly sea surface heights are likely to be 30 to 60mm below normal for Vanua Levu and northern Lau 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 forecasts no thermal stress for Fiji.

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	08/08/2023	General Public	140	106	34	
EAR Watch	11/08/2023	Humanitarian partners	122	96	26	
Fiji Climate Outlook	31/08/2023	General public	124	93	31	
Climate Outlook for Monasavu	30/08/2023	Energy Fiji Limited	13	13	-	
Fiji Ocean Outlook	18/08/2023	A number of key ocean related stakeholders	36	29	7	
Fiji Sugarcane Rainfall Outlook	31/08/2023	Sugar Industry stakeholders	77	60	17	
Meteorological Data Request	1/08/2023- 31/08/2023	A range of stakeholders	42	34	8	
Sixth Pacific Meteorological Council Meeting and Third Pacific Ministerial Meeting on Meteorology	14/08/2023- 18/08/2023	Meteorological Directors and Ministers and Donor partners	200			
Total			754	431	123	

Sixth Pacific Meteorological Council Meeting and Third Pacific Ministerial Meeting on Meteorology 14th to 18th August 2023



Figure 1: Participants of the Sixth Pacific Meteorological Council (PMC-6) Meeting on 14th August, 2023, at Sofitel Resort and Spa, Nadi.



Figure 2: Acting Director of Fiji Meteorological Service, Mr.Bipen Prakash (on the right) appointed Chair for PMC-6.



Figure 3: Presentations being done during PMC-6.



Figure 4: Ministers in charge of Meteorology and other high level dignitaries attending the Third Pacific Ministerial Meeting on Meteorology (PMMM-3) on 18th August, 2023 at at Sofitel Resort and Spa, Nadi.



TEOROLOGY

Figure 5: Minister for Public Works, Meteorological Service and Transport, Honourable. Ro Filipe Tuisawau (on the left) speaking during the Third Pacific Ministerial Meeting on Meteorology (PMMM-3).

Figure 6: Secretary General of the World Meteorological Organisation, Professor Petteri Taalas, accorded with traditional i-Taukei welcoming ceremony during PMMM-3.

Flash Flooding in the Central Division – 15th to 16th August 2023



Figure 7: Flash flooding in Rewa on 15th August, 2023. Source: Fiji Roads Authority.



Figure 8: Traffic congestion due to flash flooding in Suva on 15th August, 2023. Source: Fiji Roads Authority.