Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 183

Country: Fiji

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Sep-2022	Oct-2022	Nov-2022					
			Total (mm)	33%tile	67%tile	Median	Rank	
	Total (mm)	Total (mm)	Rainfall (mm)					
		Weste	ern Division					
Penang Mill (1910-2022)	49.6	209.8	82.9	96.1	189.4	133.0	34/111	
Lautoka Mill (1900-2022)	0.0	225.0	110.0	64.7	154.2	114.7	66/123	
Nadi Airport (1942-2022)	9.1	196.9	115.2	91.6	146.5	124.0	37/80	
Central Division								
Laucala Bay (Suva) (1942-2022)	113.7	352.4	116.5	156.0	284.5	205.6	20/81	
Nausori Airport (1957-2022)	58.5	461.9	198.2	191.7	302.9	229.8	25/67	
Tokotoko (Navua) (1945-2022)	122.5	490.0	139.5	200.1	363.6	279.0	14/77	
Eastern Division								
Lakeba (1950-2022)	224.9	226.5	153.9	71.6	169.1	114.8	48/74	
Vunisea (Kadavu) (1931-2022)	135.0		104.0	94.1	164.9	109.2	42/87	
Ono-i-Lau (1943-2022)	111.3	221.7	79.5	61.8	119.2	93.1	32/76	
Northern Division								
Labasa Airport (1946-2022)	40.4	248.6	162.2	110.7	196.1	147.6	35/63	
Savusavu Airfield (1956-2022)	29.2	187.6	184.8	126.2	209.2	160.5	36/64	
Udu Point (1946-2022)	99.9	285.5	237.3	163.5	286.7	222.6	39/73	
Rotuma (1912-2022)	124.5	217.8	173.5	251.2	347.5	302.4	10/109	

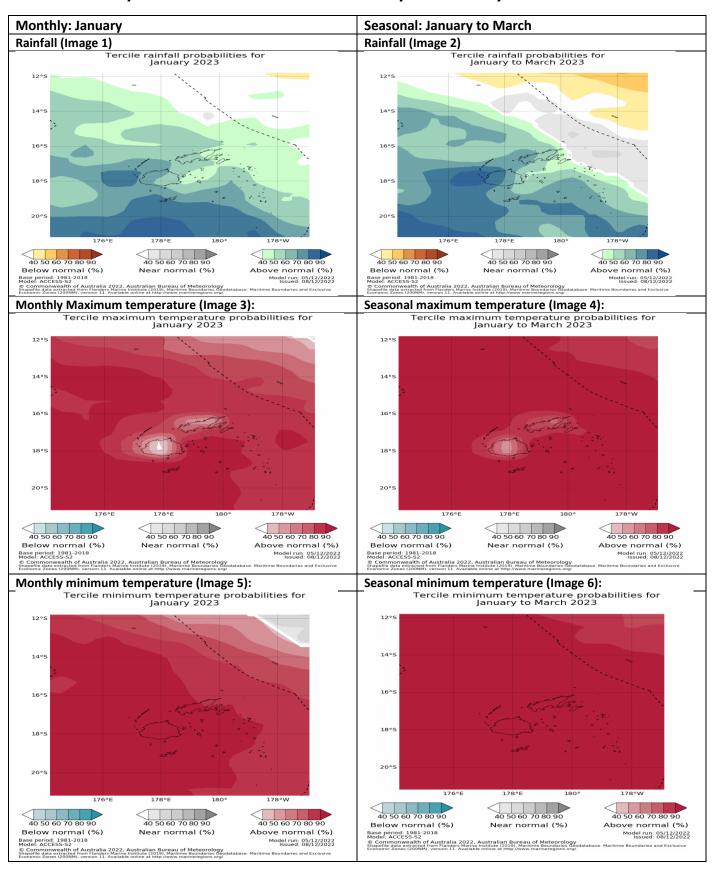
Very Low: X < 0.0 Low: $0 \le X < 5$ Moderate $5 \le X < 10$ Good: $10 \le X < 15$ High: $15 \le X < 25$

TABLE 2: Three-month Total Rainfall for September to November 2022

Station	Three-month Total		33%tile	67%tile	Median	Rank		
Western Division								
Penang Mill (1910-2022)	342.3	Normal	239.5	414.3	292.4	68/110		
Lautoka Mill (1900-2022)	335.0	Normal	200.3	344.0	277.7	87/123		
Nadi Airport (1942-2022)	321.2	Normal	244.0	343.2	296.6	47/80		
Central Division								
Laucala Bay (Suva) (1942-2022)	582.6	Normal	476.6	785.9	652.9	39/81		
Nausori Airport (1957-2022)	718.6	Normal	445.8	747.7	602.6	42/66		
Tokotoko (Navua) (1945-2022)	752.0	Normal	643.6	937.6	773.1	37/76		
Eastern Division								
Lakeba (1950-2022)	605.3	Above normal	297.6	409.7	331.2	65/72		
Vunisea (Kadavu) (1931-2022)			344.7	448.9	408.2			
Ono-i-Lau (1943-2022)	412.5	Above normal	207.9	384.2	294.5	55/74		
		Northern Division	on					
Labasa Airport (1947-2022)	451.2	Above normal	258.1	367.4	303.7	47/60		
Savusavu Airfield (1957-2022)	401.6	Normal	368.5	511.5	425.2	29/63		
Udu Point (1946-2022)	622.7	Above normal	403.5	569.2	498.7	50/72		
Rotuma (1912-2022)	515.8	Below normal	728.8	986.1	895.3	4/104		

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



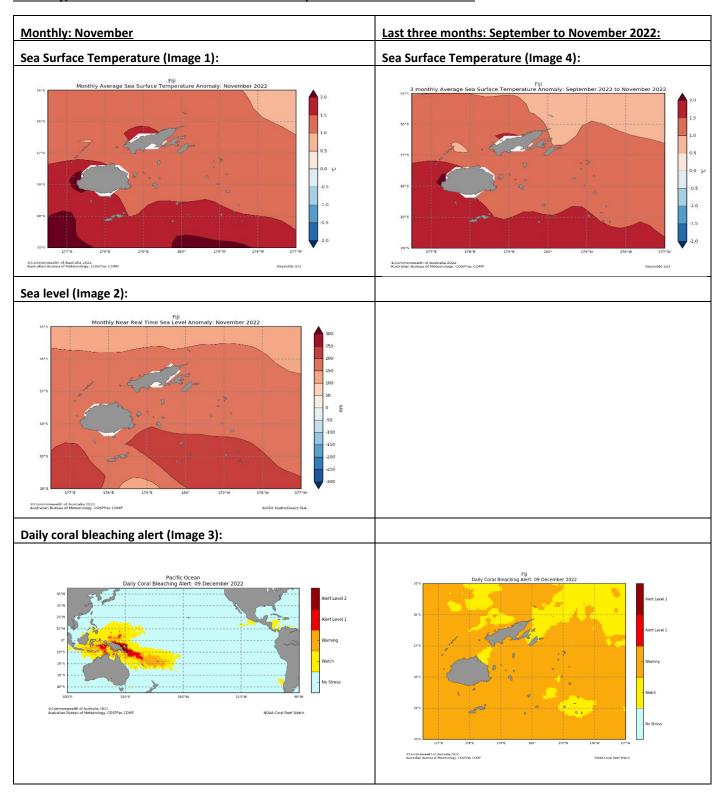
NB: The X LEPS % score has been categorised as follows:

 $\mbox{Very Low: } X < 0.0 \qquad \qquad \mbox{Low: } 0 \le X < 5 \qquad \mbox{Moderate } 5 \le X < 10 \qquad \qquad \mbox{Good: } 10 \le X < 15 \qquad \mbox{High: } 15 \le X < 25$

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

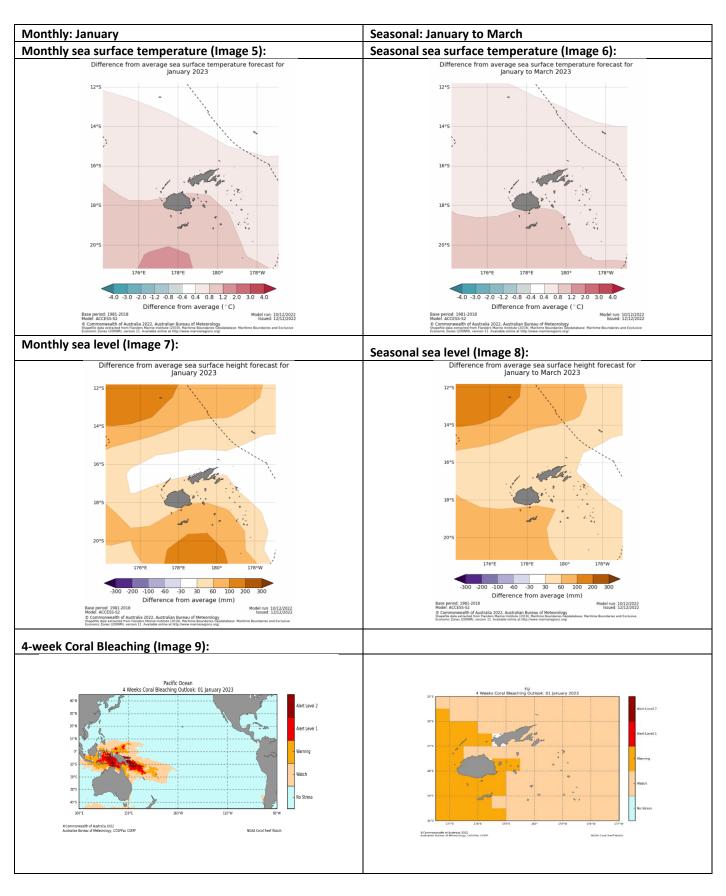
Part 2: Recent Ocean Observation

Monthly/Three months: November 2022 and September to November 2022



Very Low: X < 0.0 Low: $0 \le X < 5$ Moderate $5 \le X < 10$ Good: $10 \le X < 15$ High: $15 \le X < 25$

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



Good: 10 ≤ X < 15 High: 15 ≤ X < 25

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0 Low: $0 \le X < 5$ Moderate $5 \le X < 10$

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Summary Statement

Monthly and last three months: November 2022/September to November 2022 statement

For November 2022, near normal rainfall was registered across Eastern and Northern Divisions, at Lautoka Mill, Nadi Airport and Nausori Airport. Below normal rainfall was recorded at Penang Mill, Laucala Bay (Suva) Tokotoko (Navua) and Rotuma.

For September to November 2022, *normal* to *above normal* rainfall was recorded across Fiji, except for Rotuma, which recorded *below normal* rainfall. Lakeba registered their eighth wettest September to November in 72 years of record. Rotuma registered its fourth driest September to November in 104 years of record.

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

Monthly /Seasonal rainfall and temperature Outlook statements

Fiji's January and January to March 2023, rainfall is likely to be *above normal*, except for Rotuma where there is little guidance with almost equal chances of *below normal*, *near normal* and *above normal* rainfall.

Both maximum and minimum temperatures for Fiji for January and January to March 2023 are very likely to be *above normal*.

Part 2: Recent Ocean summary statement

Monthly and last three months: November/September to November 2022

November ocean temperatures around Fiji were 1.0 to 2.0°C above normal.

Averaged over September to November, ocean temperatures around Fiji were 0.5 to 2.0°C above normal.

November sea levels around Fiji were above normal, ranging from 150mm to 250mm around Fiji.

Coral bleaching alert is at 'Warning' status for most of the Fiji Waters.

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

Ocean Variable statement

The monthly sea surface temperature outlook for January shows a temperature difference of 1.2-2.0°C *above normal* for Kadavu and parts of Southern Lau group. The seasonal SST outlook for January to March 2023 forecasts SST temperatures of utmost 1.2°C over the Kadavu Waters.

The monthly and seasonal sea level outlook for January and January to March 2023 reveals sea surface height differences of 100mm to 200mm for waters in Kadavu, parts of southern Lau Group and Rotuma.

Coral bleaching outlook for the next four weeks is at 'Warning' for waters west of Viti Levu, Viwa, Yasawa Group, Lomaiviti Group, Vatulele, Bega and Kadavu.

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Very High: 25 ≤X < 35 Exceptional: X ≥ 35

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

Product	Date: November 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Fiji Climate Summary	08/11/22	General Public	140	106	34
EAR Watch	10/11/22	Humanitarian partners	122	96	26
Fiji Climate Outlook	30/11/22	General public	124	93	31
Climate Outlook for Monasavu	30/11/22	Energy Fiji Limited	13	13	-
Fiji Ocean Outlook	18/11/22	A number of key ocean related stakeholders	36	29	7
ENSO Update	25/11/22	General Public	142	116	26
Meteorological Data Request	01/11/22 to 31/10/22	A range of stakeholders	44	34	10
Total			621	487	134

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