Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 174

Country: Fiji

Part 1: Recent climate

TABLE 1: Monthly Rainfall

	Dec-2021	Jan-2022	Feb-2022				
Station (include data period)			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Western Division							
Penang Mill (1910-2022)	499.3	994.2	679.2	288.3	405.3	348.2	105/113
Lautoka Mill (1900-2022)	438.6	776.2	700.0	221.0	378.6	281.9	119/122
Nadi Airport (1942-2022)	373.3	871.8	623.0	221.8	374.8	285.8	77/80
		Centr	al Division				
Laucala Bay (Suva) (1942-2022)	350.0	458.0	241.9	240.5	325.4	284.3	29/81
Nausori Airport (1957-2022)	391.7	564.3	231.3	215.7	314.6	280.1	25/66
Tokotoko (Navua) (1945-2022)	248.0	М	148.5	254.7	345.3	286.9	8/77
Eastern Division							
Lakeba (1950-2022)	89.8	398.8	278.8	165.6	278.8	199.0	49/73
Vunisea (Kadavu) (1931-2022)	306.2	379.3	253.3	162.0	276.6	230.3	55/87
Ono-i-Lau (1943-2022)	143.5	М	329.4	127.8	221.4	176.9	65/76
Northern Division							
Labasa Airport (1946-2022)	294.5	697.2	536.8	242.8	456.8	346.2	53/66
Savusavu Airfield (1956-2022)	М	М	М	150.7	299.6	241.8	
Udu Point (1946-2022)	267.3	622.9	353.1	217.9	358.8	275.6	50/75
Rotuma (1912-2022)	245.0	556.7	427.0	281.2	364.9	313.3	81/110

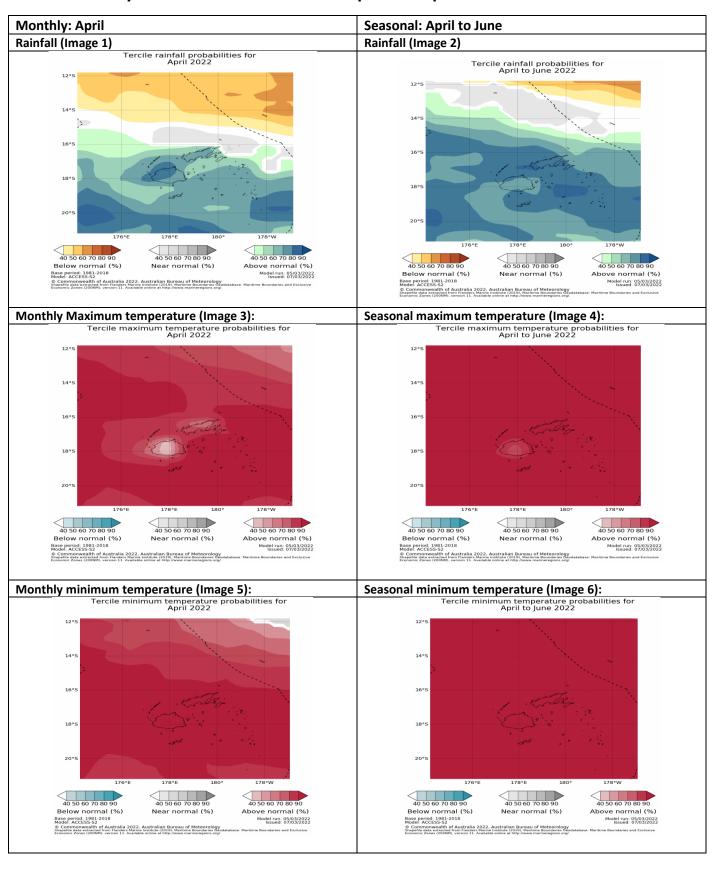
 $Very \ Low: \ X < 0.0 \\ Low: \ 0 \le X < 5 \\ Moderate \ 5 \le X < 10 \\ Good: \ 10 \le X < 15 \\ High: \ 15 \le X < 25 \\$

TABLE 2: Three-month Total Rainfall for December 2021 to February 2022

Station	Three-month Total		33%tile	67%tile	Median	Rank		
Western Division								
Penang Mill (1910-2022)	2172.7	Above normal	825.3	1090.9	957.7	108/109		
Lautoka Mill (1900-2022)	1914.8	Above normal	676.6	1002.8	846.2	112/122		
Nadi Airport (1942-2022)	1868.1	Above normal	668.6	956.1	848.4	79/79		
	Central Division							
Laucala Bay (Suva) (1942-2022)	1049.9	Above normal	782.3	1020.0	880.0	55/80		
Nausori Airport (1957-2022)	1187.3	Above normal	786.6	1028.7	870.8	56/66		
Tokotoko (Navua) (1945-2022)			875.1	1119.0	989.9			
Eastern Division								
Lakeba (1950-2022)	767.4	Above normal	580.5	763.6	666.2	50/72		
Vunisea (Kadavu) (1931-2022)	938.8	Above normal	560.7	774.5	652.6	73/84		
Ono-i-Lau (1943-2022)			439.1	610.1	523.5			
Northern Division								
Labasa Airport (1947-2022)	1528.5	Above normal	774.7	1070.6	896.9	53/62		
Savusavu Airfield (1957-2022)			586.6	852.4	703.2			
Udu Point (1946-2022)	1243.3	Above normal	749.5	1049.7	929.8	60/72		
Rotuma (1912-2022)	1228.7	Above normal	864.6	1063.4	964.2	88/106		

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Part 1i. Monthly and Seasonal Outlooks for April and April to June 2022



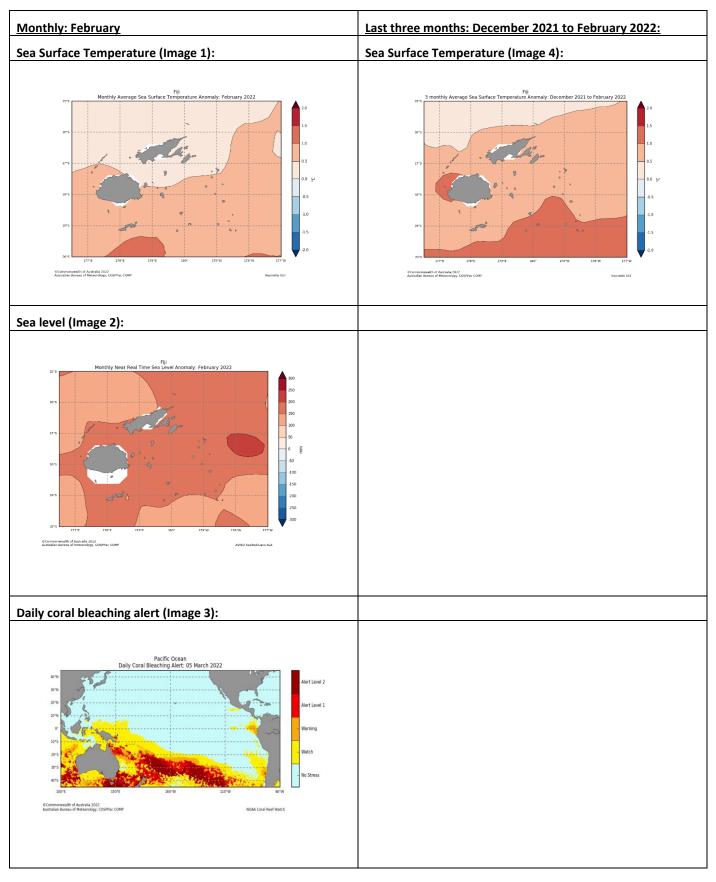
NB: The X LEPS % score has been categorised as follows:

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

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

Part 2: Recent Ocean summary statement

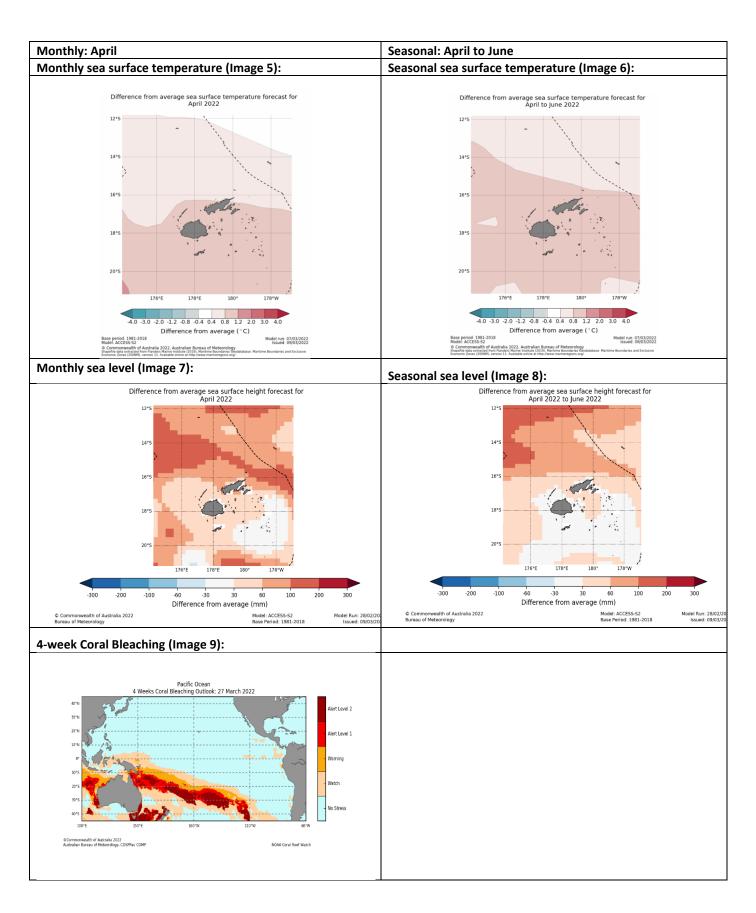
Monthly: February 2022



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

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Part 2i. Monthly and Seasonal Outlooks for April and April to June 2022



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

Summary Statement

Monthly and last three months: February 2022/December 2021 to February 2022 statement (Highly significant changes)

For February 2022, above normal rainfall was recorded across Western Division, Ono-i-Lau, Labasa Airport and at Rotuma. Near normal rainfall was registered at Laucala Bay (Suva), Nausori Airport, Lakeba, Vunisea (Kadavu) and Udu Point. Tokotoko (Navua) was the lone station that recorded below normal rainfall. Penang Mill recorded its ninth wettest February in 113 years of record, while Lautoka Mill and Nadi Airport recorded their fourth wettest February, in 122 years and 80 years of record, respectively. Navua (Tokotoko) recorded its eighth driest February in 77 years of record.

Above normal rainfall was recorded across all the Division and at Rotuma for December 2021 to February 2022 period. Penang Mill recorded its second wettest December to February period in 109 years of record, while Nadi Airport recorded its wettest December to February period in 79 years of record.

Part 1i. Monthly and Seasonal Outlooks for April and April to June 2022

Monthly /Seasonal rainfall and temperature Outlook statements (Highly significant changes)

The rainfall outlook for Fiji for April is very likely to be *above normal*, except for Rotuma where *below normal* rainfall is likely.

The rainfall outlook for Fiji for April to June 2022 is very likely to be *above normal*, except for Rotuma with little guidance as the chances of *above normal*, *normal* and *below normal* rainfall are similar.

The maximum and minimum temperatures for Fiji for April and April to June 2022 are very likely to be above normal.

Part 2: Recent Ocean summary statement

Monthly and last three months: February/December 2021 to February 2022 (Highly significant changes)

Most of the Fiji Waters experienced warm SSTs of 0.5 to 1.0°C above average in January 2022.

For the December 2021 to February 2022 period, above average SSTs were experienced in most of the Fiji Waters, significant warmer SSTs of 1.0 to 1.5°C above average were experienced on the western side of Viti Levu and parts of the southern Lau Group.

The sea level anomaly across Fiji in February 2022 was significantly higher than normal, with waters around Viti Levu, Vanua Levu, Yasawa Group, Kadavu, Lomaiviti Group and Lau Group in the range of 150 to 200 mm above average.

Part 2i. Monthly and Seasonal Outlooks for April and April to June 2022

Ocean Variable statement (Highly significant changes)

The SST outlook for Viti Levu, Lomaiviti Group, Kadavu and Lau Group shows a significant temperature difference of 0.8-1.2°C above normal for April.

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

The SST outlook for Viti Levu, Vanua Levu, Yasawa Group, Lomaiviti Group and Lau Group shows a significant temperature difference of 0.8-1.2°C above normal for April to June 2022.

The outlook for Rotuma shows a significant sea level difference of 0.1-0.2m above normal for April to June 2022.

There is a coral bleaching Alert Level 2 for the Fiji Group for the next four weeks.

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

Product	Date: February 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Fiji Climate Summary	07/02/22	General Public	140	106	34
EAR Watch	14/02/22	Humanitarian partners	122	96	26
Fiji Climate Outlook	28/02/22	General public	124	93	31
Climate Outlook for Monasavu	28/02/22	Energy Fiji Limited	13	13	-
Fiji Ocean Outlook	21/02/22	A number of key ocean related stakeholders	36	29	7
Meteorological Data Request	01/02/22 to 28/02/22	A range of stakeholders	56	44	12
		Total	491	381	110

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