# Country: Fiji

# Part 1: Recent climate

# TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2021	Jul-2021	Aug-2021						
			Total (mm)	33%tile	67%tile	Median	Rank		
	Total (mm)	Total (mm)	Rainfall (mm)				Marik		
Western Division									
Penang Mill (1910-2021)	72.4	43.9	15.1	36.7	74.6	51.2	18/112		
Lautoka Mill (1900-2021)	42.6	М	19.9	20.9	59.3	39.2	33/122		
Nadi Airport (1942-2021)	42.1	8.5	4.9	24.1	64.6	48.5	11/80		
Central Division									
Laucala Bay (Suva) (1942-2021)	93.4	92.3	114.5	89.7	149.6	125.9	35/80		
Nausori Airport (1957-2021)	109.0	113.4	116.2	89.9	163.3	113.4	34/65		
Tokotoko (Navua) (1945-2021)	190.7	113.7	169.0	128.8	207.2	168.0	37/76		
Eastern Division									
Lakeba (1950-2021)	70.2	65.8	47.0	53.2	92.5	72.7	24/72		
Vunisea (Kadavu) (1931-2021)	88.0	215.0	96.5	62.1	127.2	86.2	47/85		
Ono-i-Lau (1943-2021)	116.4	67.1	25.8	55.1	106.3	88.0	8/74		
Northern Division									
Labasa Airport (1946-2021)	23.7	36.9	2.0	13.9	62.8	47.2	5/65		
Savusavu Airfield (1956-2021)	М	М	М	61.3	105.8	82.4			
Udu Point (1946-2021)	104.5	141.9	119.6	40.5	104.3	81.0	54/72		
Rotuma (1912-2021)	151.5	352.5	226.8	130.6	228.6	175.0	62/106		

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

Very Low: X < 0.0

1 ow:  $0 \le X \le 5$ 

# TABLE 2: Three-month Total Rainfall for June to August 2021

Station	Three-	month Total	33%tile	67%tile	Median	Rank		
Western Division								
Penang Mill (1910-2021)	131.4	Below normal	165.6	225.9	190.7	31/112		
Lautoka Mill (1900-2021)			113.5	211.6	151.3			
Nadi Airport (1942-2021)	55.5	Below normal	114.2	203.2	156.0	7/80		
Central Division								
Laucala Bay (Suva) (1942-2021)	300.2	Below normal	366.1	519.9	436.1	14/80		
Nausori Airport (1957-2021)	338.6	Below normal	339.1	495.8	423.6	22/65		
Tokotoko (Navua) (1945-2021)	473.4	Below normal	480.5	651.4	559.5	24/75		
Eastern Division								
Lakeba (1950-2021)	183.0	Below normal	189.3	298.9	270.1	21/70		
Vunisea (Kadavu) (1931-2021)	399.5	Normal	281.0	420.8	350.1	57/83		
Ono-i-Lau (1943-2021)	209.3	Below normal	252.2	340.7	287.6	16/71		
Northern Division								
Labasa Airport (1947-2021)	62.6	Below normal	110.1	181.4	145.3	9/64		
Savusavu Airfield (1957-2021)			230.6	367.8	305.0			
Udu Point (1946-2021)	366.0	Normal	253.0	393.7	311.6	45/71		
Rotuma (1912-2021)	730.8	Normal	589.6	834.5	701.5	57/104		

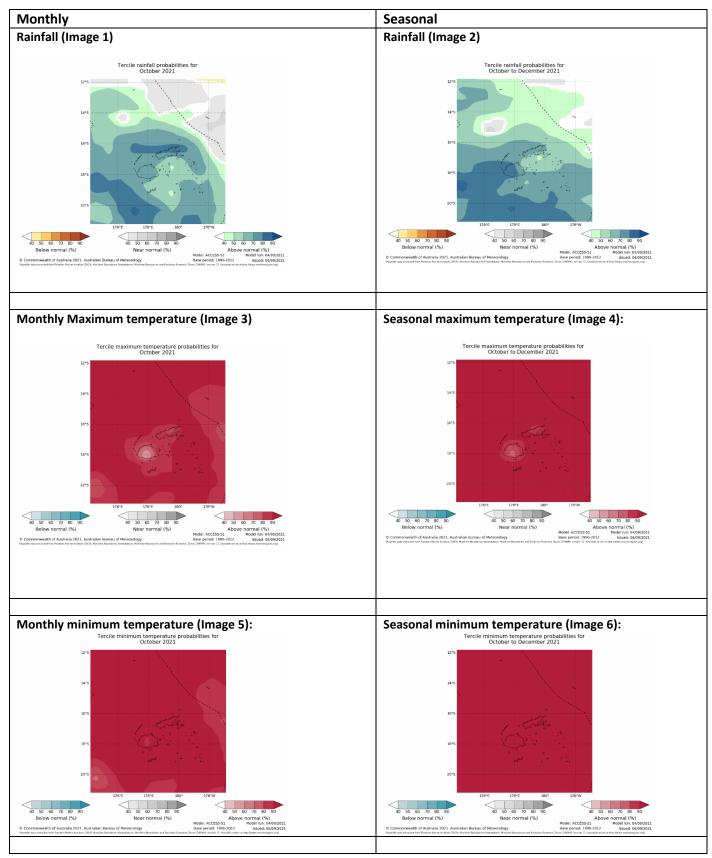
# Part 1i. Monthly and Seasonal Outlooks for October and October to December 2021

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

Very Low: X < 0.0

Low: 0 ≤ X < 5 Mo

Moderate 5 ≤ X < 10

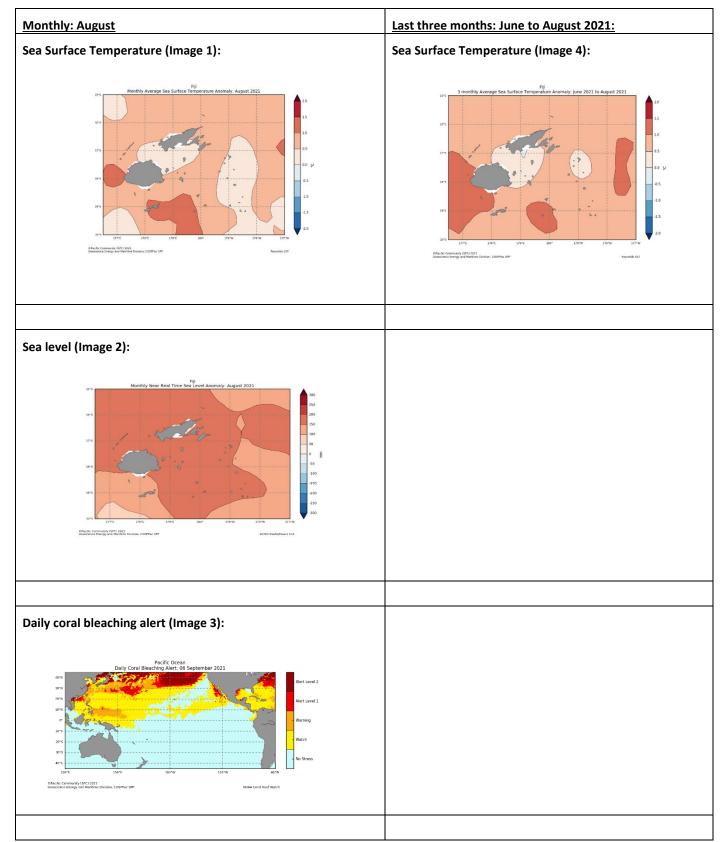


### Part 2: Recent Ocean summary statement

#### Monthly: August 2021

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

 Very Low: X < 0.0</th>
 Low: 0 ≤ X < 5</th>
 Moderate 5 ≤ X < 10</th>
 Good: 10 ≤ X < 15</th>
 High: 15≤ X < 25</th>

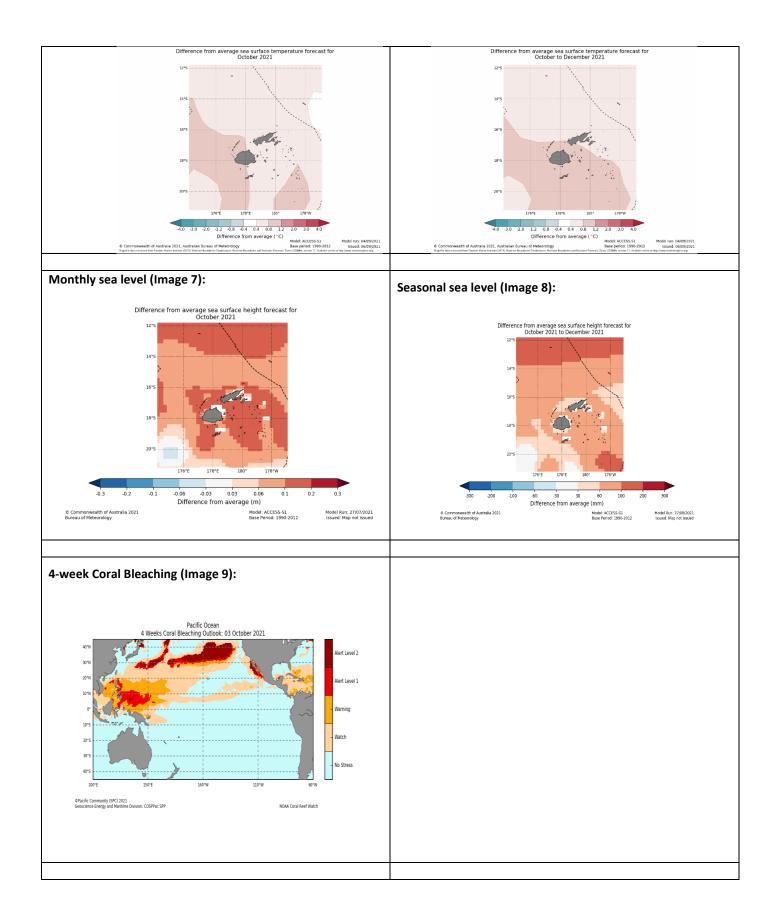


# Part 2i. Monthly and Seasonal Outlooks for October and October to December 2021

Monthly: October	Seasonal: October to December		
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):		

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 Moderate 5 ≤ X < 10</th>
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 High: 15≤ X < 25</th>



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

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Low:  $0 \le X < 5$ 

Moderate 5 ≤ X < 10

Good: 10 ≤ X < 15 High: 15≤ X < 25

### **Summary Statement**

### Monthly and last three months: August 2021/June to August statement

*Below normal* rainfall was recorded in the Western Division, Lakeba, Ono-i-Lau and Labasa Airport. *Near normal rainfall* was received in the Central Division, Vunisea and Rotuma. Udu Point was the lone station that received *above normal* rainfall.

Rainfall data is not available for Savusavu Airfield.

Ono-i-Lau and Labasa Airport recorded their eighth and fifth driest August in 74 and 65 years of record, respectively.

*Below normal* rainfall was recorded across the country for June to August period, the exception being Vunisea, Udu Point and Rotuma where *near normal* rainfall was registered.

Nadi Airport recorded their seventh driest June to August period in 80 years of record.

### Part 1i. Monthly and Seasonal Outlooks for October and October to December 2021

### Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall outlook for Fiji (except Rotuma) for October is very likely to be *above normal*. *Above normal* rainfall is very likely for Viti Levu, Vanua Levu, Yasawa, Mamanuca Islands, and southern Lau Group. The outlook for Rotuma is likely to be *above normal*.

The rainfall outlook for Fiji (except Rotuma) for October to December 2021 is very likely to be *above normal*. *Above normal* rainfall is very likely for Viti Levu, Vanua Levu, Yasawa, Mamanuca Islands, Lomaiviti Group and southern Lau Group. The outlook for Rotuma is likely to be *above normal*.

The maximum temperature outlook for Fiji for October is very likely to be *above normal*. The outlook for Viti Levu is likely to be *above normal*.

The minimum temperature outlook for Fiji for October is very likely to be *above normal*.

The maximum temperature for Fiji (except Viti Levu) for October to December 2021 is very likely to be *above normal*. The outlook for Viti Levu is likely to be *above normal*.

The minimum temperature for Fiji for October to December 2021 is very likely to be above normal.

### Part 2: Recent Ocean summary statement

#### Monthly and last three months: August/June to August 2021

Most of the Fiji Waters experienced above average SST in August 2021. Significant warm SSTs of 1.0 to 1.5°C above average were experienced on the western side of Viti Levu and across the Kadavu Group.

For the June to August 2021 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 some parts of the Lau Group. Close to average SSTs were experienced between Viti Levu and Vanua Levu.

The sea level anomaly across Fiji in August 2021 was significantly higher than normal, with majority of the Waters in the range of 150 to 200 mm above average.

There is 'No Stress' coral bleaching alert status for Fiji Waters.

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

## Part 2i. Monthly and Seasonal Outlooks for October and October to December 2021

#### **Ocean Variable statement**

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

The SST outlook for Viti Levu, Yasawa, Mamanuca Islands, Lomaiviti Group and southern Lau Group shows a significant temperature difference of 0.8-1.2°C above normal for October to December 2021.

The outlook across the Fiji Group shows a significant sea level difference of 0.06-0.2m above normal for October.

The outlook across the Fiji Group shows a significant sea level difference of 0.06-0.1m above normal for October to December 2021.

The outlook for the Fiji Waters shows there are no coral bleaching alerts for the next four weeks.

#### Product Date: Stakeholder Total Number of Number of Number of male female August **Participants** 2021 06/08/21 140 Fiji Climate **General Public** 106 34 Summary Humanitarian partners 05/08/21 EAR Watch 122 96 26 General public Fiji Climate 31/08/21 124 93 31 Outlook Climate Outlook 30/08/21 Energy Fiji Limited 13 13 \_ for Monasavu A number of key 7 Ocean Outlook 20/08/21 29 36 ocean related stakeholders A range of Meteorological 01/08/21 to 4 34 30 stakeholders Data Request 31/08/21 367 Total 469 102

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

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