

# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 203

Country: Fiji

## Part 1: Recent climate

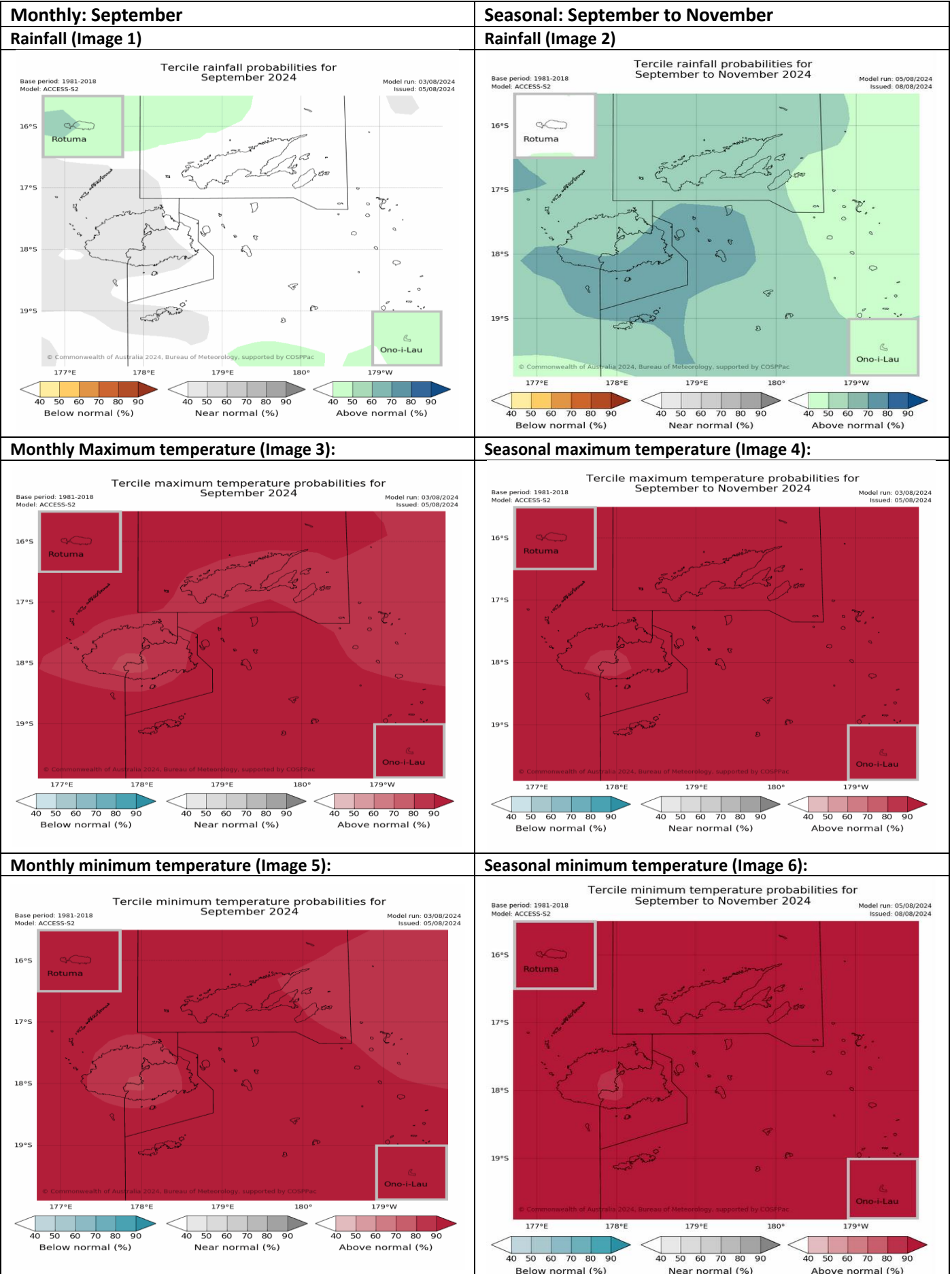
**TABLE 1: Monthly Rainfall**

Station (include data period)	May-2024	Jun-2024	Jul-2024					Rank
			Total (mm)	33%tile	67%tile	Median		
	Total (mm)	Total (mm)	Rainfall (mm)					
<i>Western Division</i>								
Penang Mill (1910-2024)	119.0	9.6	33.3	23.7	55.5	36.2	50/115	
Lautoka Mill (1900-2024)	136.0	0.0	68.5	14.2	54.6	32.9	93/124	
Nadi Airport (1942-2024)	38.9	0.0	49.4	14.8	60.6	33.1	51/83	
<i>Central Division</i>								
Laucala Bay (Suva) (1942-2024)	331.0	61.2	57.4	90.1	158.5	123.3	9/83	
Nausori Airport (1957-2024)	402.7	79.7	44.2	95.3	134.3	118.5	6/68	
Tokotoko (Navua) (1945-2024)	417.5	124.0	229.0	138.7	212.4	171.4	56/79	
<i>Eastern Division</i>								
Lakeba (1950-2024)	231.0	5.5	29.7	48.0	80.1	58.6	10/73	
Vunisea (Kadavu) (1931-2024)	212.0	67.7	100.9	84.4	127.7	96.3	49/87	
Ono-i-Lau (1943-2024)	261.3	16.5	99.2	59.3	102.9	73.0	51/77	
<i>Northern Division</i>								
Labasa Airport (1946-2024)	121.1	58.1	11.1	23.2	45.8	32.8	18/69	
Savusavu Airfield (1956-2024)	535.8	51.6	50.1	54.6	108.4	83.5	20/68	
Udu Point (1946-2024)	423.5	19.2	101.9	63.0	100.1	80.9	51/75	
Rotuma (1912-2024)	425.0	103.0	308.5	168.8	265.3	217.6	86/109	

**TABLE 2: Three-month Total Rainfall for May to July 2024**

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
<b>Western Division</b>						
Penang Mill (1910-2024)	161.9	Below normal	173.7	303.4	258.0	31/115
Lautoka Mill (1900-2024)	204.5	Normal	139.7	218.2	179.2	65/124
Nadi Airport (1942-2024)	88.3	Below normal	140.9	244.4	174.5	15/82
<b>Central Division</b>						
Laucala Bay (Suva) (1942-2024)	449.6	Normal	445.8	615.9	516.2	31/83
Nausori Airport (1957-2024)	526.6	Normal	430.9	581.5	501.4	38/68
Tokotoko (Navua) (1945-2024)	770.5	Above normal	553.4	742.8	641.1	55/79
<b>Eastern Division</b>						
Lakeba (1950-2024)	266.2	Normal	248.7	363.5	316.8	27/72
Vunisea (Kadavu) (1931-2024)	380.6	Normal	338.2	450.3	390.5	43/86
Ono-i-Lau (1943-2024)	377.0	Above normal	227.7	369.4	312.0	43/73
<b>Northern Division</b>						
Labasa Airport (1947-2024)	190.3	Normal	171.8	269.8	207.9	29/68
Savusavu Airfield (1957-2024)	637.5	Above normal	301.7	450.0	370.7	58/64
Udu Point (1946-2024)	544.6	Above normal	307.8	481.7	379.8	61/73
Rotuma (1912-2024)	836.5	Normal	691.8	889.1	800.1	63/108

# Part 1i. Monthly and Seasonal Outlooks for September and September to November 2024

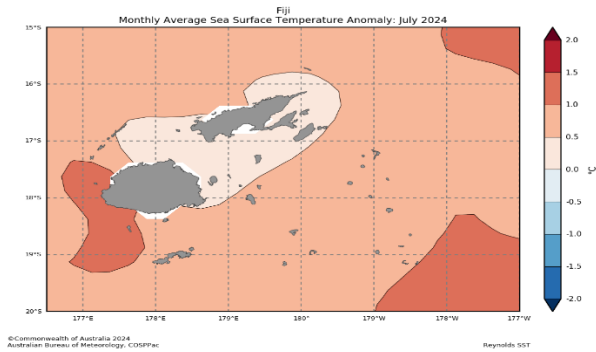


# Part 2: Recent Ocean Observation

## Monthly/Three months: July 2024 and May to July 2024

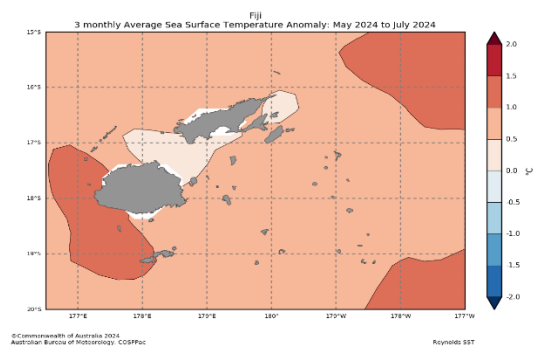
### Monthly: July 2024

#### Sea Surface Temperature (Image 1):

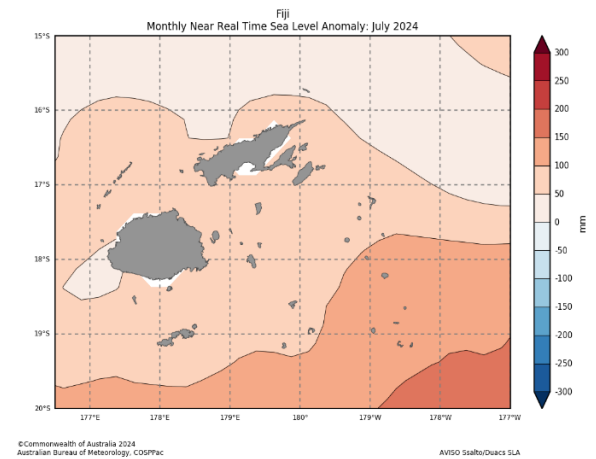


### Last three months: May to July 2024:

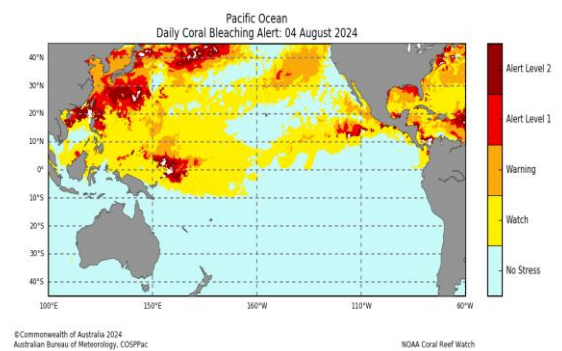
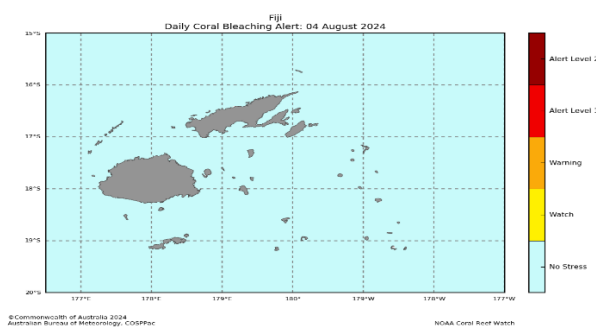
#### Sea Surface Temperature (Image 4):



#### Sea level (Image 2):



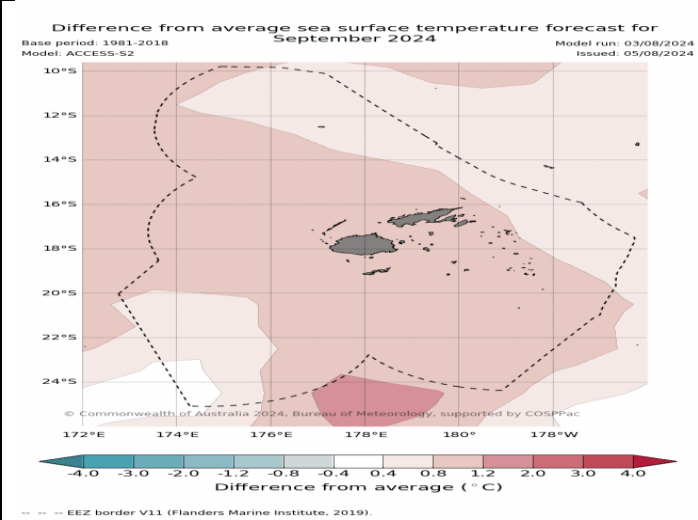
#### Daily coral bleaching alert (Image 3):



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

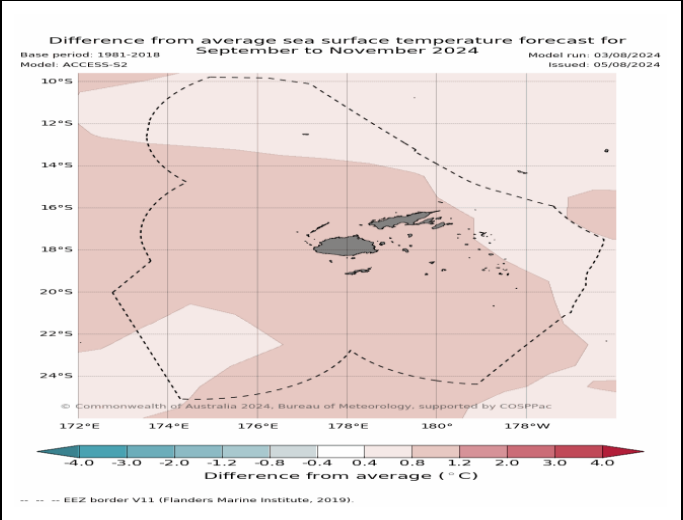
## Monthly: September

### Monthly sea surface temperature (Image 5):

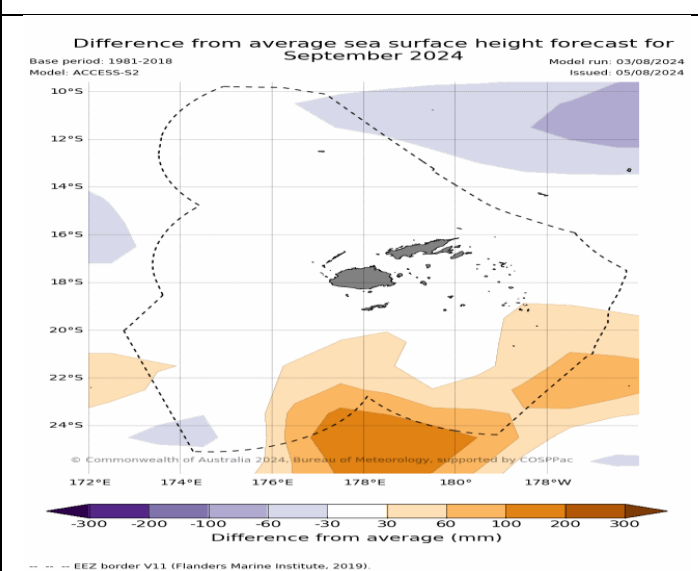


## Seasonal: September to November

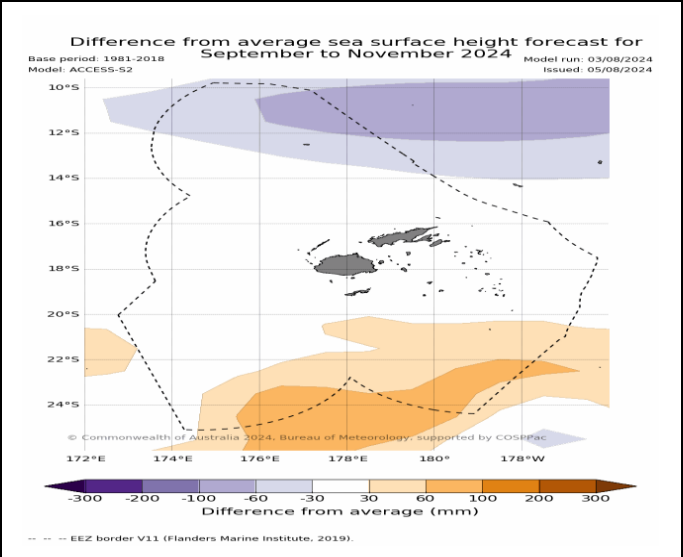
### Seasonal sea surface temperature (Image 6):



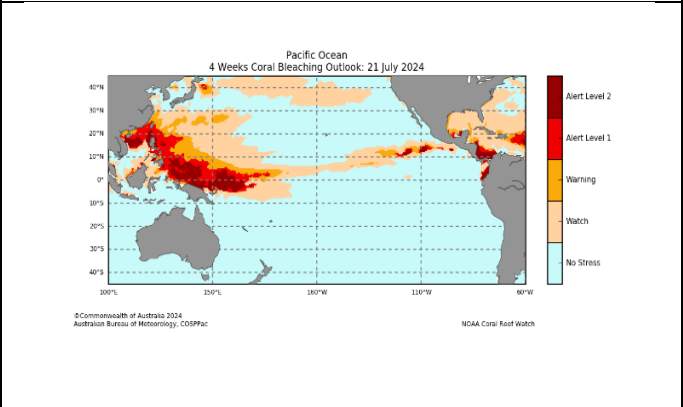
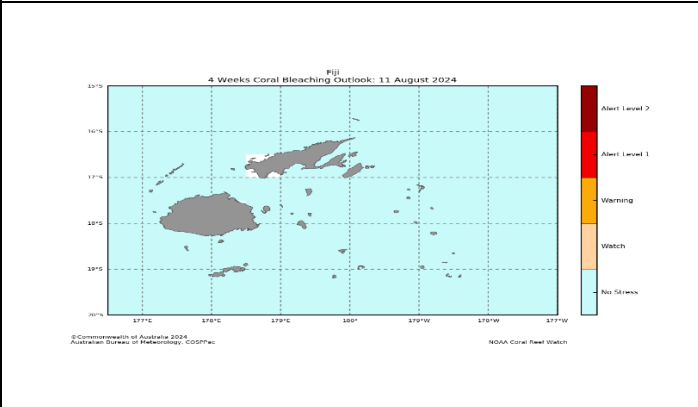
## Monthly sea level (Image 7):



## Seasonal sea level (Image 8):



## 4-week Coral Bleaching (Image 9):



## Summary Statement

### Monthly and last three months: July 2024/May to July 2024 statement

For July 2024, rainfall was *below normal* at Laucala Bay, Nausori Airport, Lakeba, Labasa Airport and Savusavu Airfield, *near normal* at Penang Mill, Nadi Airport, Vunisea and Ono-i-Lau, and *above normal* at Lautoka Mill, Navua, Udu Point and Rotuma. Nausori Airport recorded its sixth driest July in 68 years of record.

May to July 2024, *above normal* rainfall was recorded at Navua, Ono-i-Lau, Savusavu Airfield, and Udu Point, while *near normal* rainfall was recorded at Lautoka Mill, Laucala Bay, Nausori Airport, Lakeba, Vunisea, Labasa Airport and Rotuma. In contrast, Penang Mill and Nadi Airport recorded *below normal* rainfall.

## Part 1i. Monthly and Seasonal Outlooks for September and September to November 2024

### Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for September 2024 is likely to be *near normal* for Western Division, most parts of the Central Division, and Kadavu, *above normal* for Ono-i-lau and Rotuma, while there is little guidance for the rest of the Fiji Group. The rainfall for September to November is likely to be *above normal* across the Fiji Group.

Maximum and minimum temperatures for Fiji for September 2024 and averaged over September to November 2024 are very likely to be *above normal* across the Fiji Group.

## Part 2: Recent Ocean summary statement

### Monthly and last three months: July 2024/May to July 2024

July and averaged over May to July, ocean temperatures in most parts of Fiji were 0.5 to 1.5°C above normal.

July sea levels in most parts of Fiji were 50 to 150mm above normal.

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

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

### Ocean Variable statement

September and averaged over September to November, ocean temperatures are predicted to be 0.4 to 2.0°C *above normal*.

Monthly sea surface heights for September are likely to be 30 to 60mm *above normal* for Ono-i-Lau, while remaining parts of the Fiji group are likely to be *near normal*.

Seasonal sea surface heights are likely to be 30 to 60mm *below normal* for Rotuma, 30 to 60mm *above normal* for Ono-i-Lau, while remaining parts of the Fiji group are likely to be *near normal*.

Coral bleaching outlook is at 'No Stress' for the Fiji Group.

### IN BRIEF for Teleconference

- July rainfall totals ranged from *below average* to *above average* across the country, while May to July rainfall totals were *average* to *above average* at most sites.

- September rainfall is likely to be *near normal* for Western Division, most parts of the Central Division, and Kadavu, *above normal* for Ono-i-lau and Rotuma. The rainfall for September to November is likely to be *above normal* across the Fiji Group.
- SSTs were above normal for July and May to July. The outlook predicts *above normal* SSTs for the next one and three months.
- Sea-surface heights (SSHs) were *above normal* for July. *Below normal* sea surface heights are predicted for Rotuma from September to November. *Above normal* SSHs are predicted for Ono-i-Lau for September and from September to November. For the rest of the Fiji Group, SSHs are predicted to be *near normal for the next one and three months*.

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

Product	Date: July 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Fiji Climate Summary	05/07/2024	General Public	140	106	34	
EAR Watch	09/07/2024	Humanitarian partners	122	96	26	Inclusion of pictorials for impact communication.
Fiji Climate Outlook	31/07/2024	General public	124	93	31	
Climate Outlook for Monasavu	31/07/2024	Energy Fiji Limited	13	13	-	
Fiji Ocean Outlook	19/07/2024	A number of key ocean related stakeholders	36	29	7	
ENSO update	24/07/2024	General Public	142	116	26	
Fiji Sugarcane Rainfall Outlook	05/072024	Sugar Industry stakeholders	77	60	17	
Meteorological Data Request	1/07/2024-31/07/2024	A range of stakeholders	33	25	8	
<b>Total</b>			<b>687</b>	<b>538</b>	<b>149</b>	