

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 201

Country: Fiji

Part 1: Recent climate

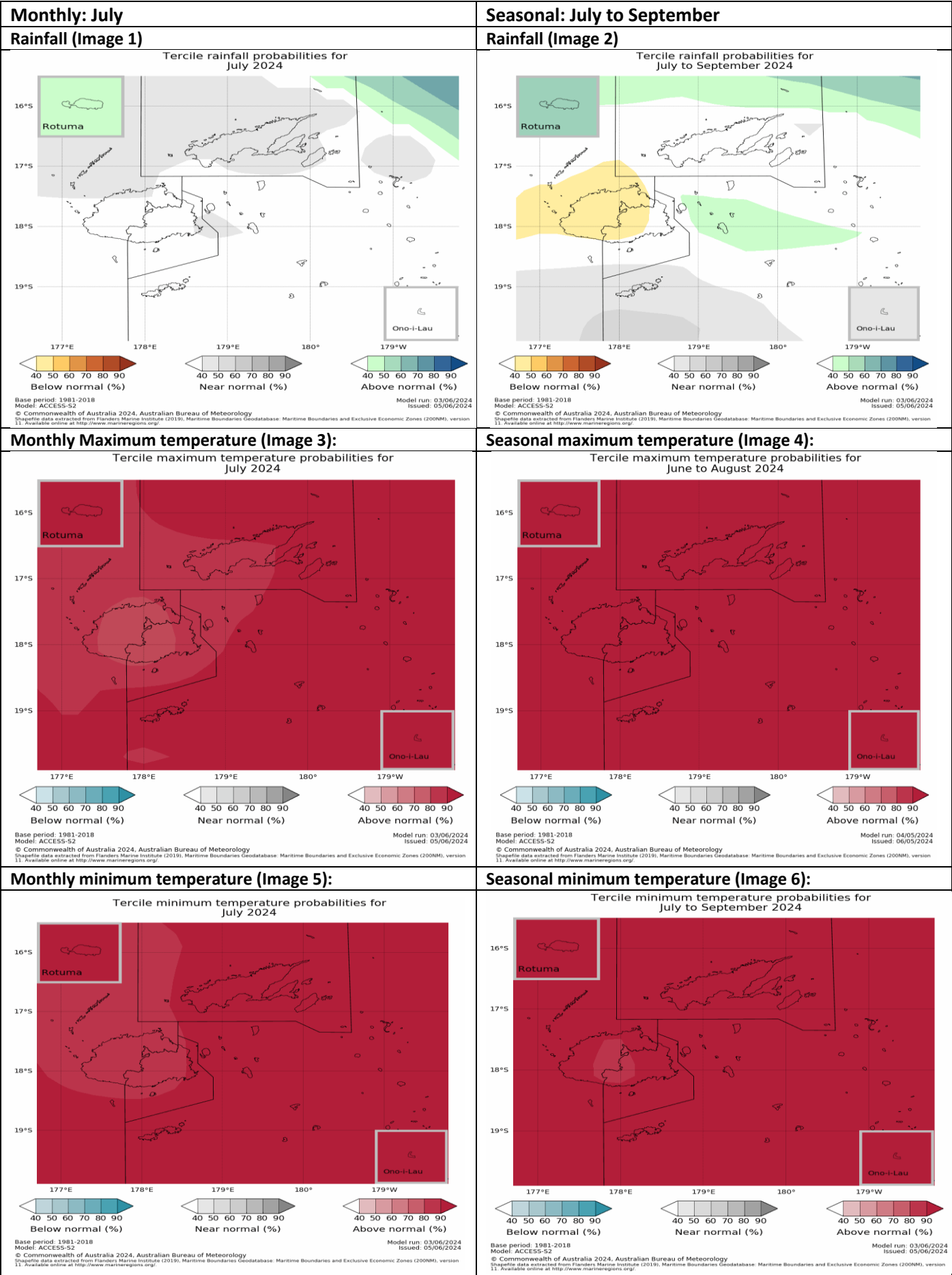
TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2024	Apr-2024	May-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Western Division							
Penang Mill (1910-2024)	839.2	60.0	119.0	62.9	166.1	110.2	66/115
Lautoka Mill (1900-2024)	907.1	16.9	136.0	40.0	103.4	64.1	91/125
Nadi Airport (1942-2024)	988.6	13.7	38.9	42.7	108.7	75.6	26/82
Central Division							
Laucala Bay (Suva) (1942-2024)	721.8	169.0	331.0	176.3	260.0	198.6	67/83
Nausori Airport (1957-2024)	759.3	165.2	402.7	160.9	255.0	199.8	62/68
Tokotoko (Navua) (1945-2024)	875.0	175.0	417.5	183.9	317.3	253.6	66/80
Eastern Division							
Lakeba (1950-2024)	540.7	43.0	231.0	79.2	164.8	106.8	65/74
Vunisea (Kadavu) (1931-2024)	621.9	132.0	212.0	111.0	207.6	144.8	59/88
Ono-i-Lau (1943-2024)	418.9	122.0	261.3	71.1	149.3	102.9	67/77
Northern Division							
Labasa Airport (1946-2024)	859.1	30.9	121.1	58.8	122.0	89.4	46/69
Savusavu Airfield (1956-2024)	554.2	205.3	535.8	119.4	198.5	155.1	66/66
Udu Point (1946-2024)	327.3	165.9	423.5	110.6	177.5	144.4	74/75
Rotuma (1912-2024)		391.0	425.0	225.1	338.9	268.6	92/111

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

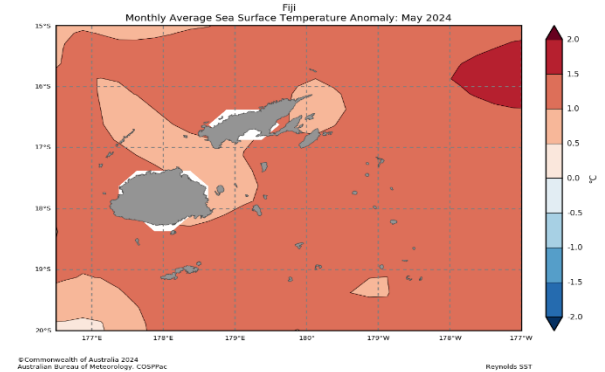
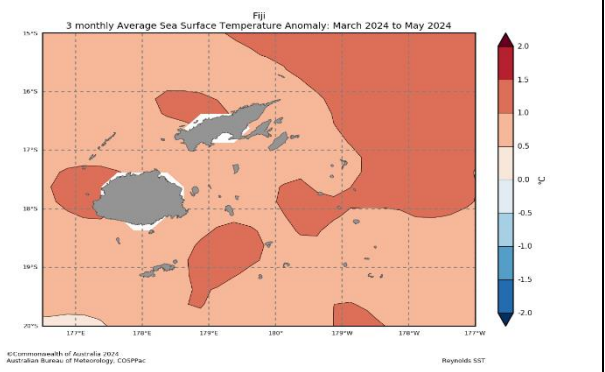
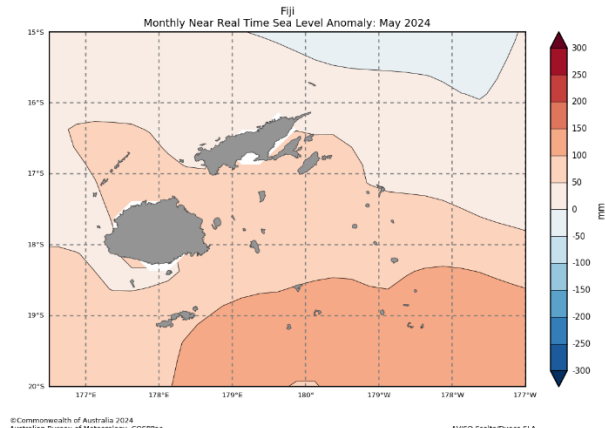
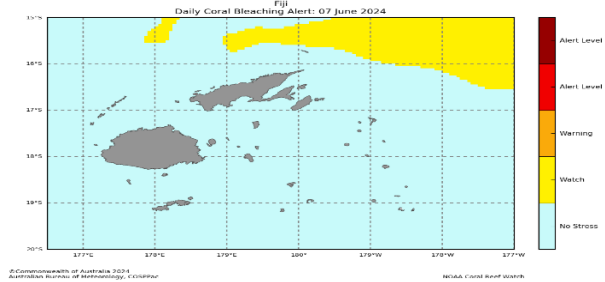
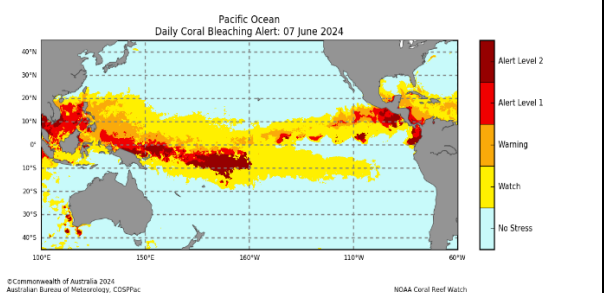
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Western Division						
Penang Mill (1910-2024)	1018.2	Above normal	681.9	931.8	781.4	93/114
Lautoka Mill (1900-2024)	1060.0	Above normal	537.9	717.3	601.8	116/124
Nadi Airport (1942-2024)	1041.2	Above normal	508.9	657.2	589.7	75/81
Central Division						
Laucala Bay (Suva) (1942-2024)	1221.8	Above normal	815.9	1075.4	909.5	68/83
Nausori Airport (1957-2024)	1327.2	Above normal	802.9	1035.5	915.9	61/68
Tokotoko (Navua) (1945-2024)	1467.5	Above normal	914.2	1204.2	1027.0	71/80
Eastern Division						
Lakeba (1950-2024)	814.7	Above normal	545.9	719.6	647.9	64/72
Vunisea (Kadavu) (1931-2024)	965.9	Above normal	637.0	764.0	719.3	77/87
Ono-i-Lau (1943-2024)	802.2	Above normal	462.1	643.3	526.1	61/75
Northern Division						
Labasa Airport (1947-2024)	1011.1	Above normal	562.1	836.2	688.3	60/68
Savusavu Airfield (1957-2024)	1295.3	Above normal	569.5	724.3	664.1	65/65
Udu Point (1946-2024)	916.7	Above normal	621.4	844.3	723.0	55/74
Rotuma (1912-2024)			796.6	1000.2	944.2	

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



Part 2: Recent Ocean Observation

Monthly/Three months: May 2024 and March to May 2024

<p>Monthly: May 2024</p> <p>Sea Surface Temperature (Image 1):</p> 	<p>Last three months: March to May 2024:</p> <p>Sea Surface Temperature (Image 4):</p> 
<p>Sea level (Image 2):</p> 	
<p>Daily coral bleaching alert (Image 3):</p> 	

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

Monthly: July	Seasonal: July to September
<div>Monthly sea surface temperature (Image 5):</div> <div><p>Difference from average sea surface temperature forecast for July 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.maritimerregions.org/">http://www.maritimerregions.org/</a></p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>	<div>Seasonal sea surface temperature (Image 6):</div> <div><p>Difference from average sea surface temperature forecast for July to September 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.maritimerregions.org/">http://www.maritimerregions.org/</a></p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>
<div>Monthly sea level (Image 7):</div> <div><p>Difference from average sea surface height forecast for July 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.maritimerregions.org/">http://www.maritimerregions.org/</a></p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>	<div>Seasonal sea level (Image 8):</div> <div><p>Difference from average sea surface height forecast for July to September 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.maritimerregions.org/">http://www.maritimerregions.org/</a></p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>
<div>4-week Coral Bleaching (Image 9):</div> <div><p>Fiji 4 Weeks Coral Bleaching Outlook: 30 June 2024</p><p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COGPFac</p><p>NOAA Coral Reef Watch</p></div>	<div><p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 30 June 2024</p><p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COGPFac</p><p>NOAA Coral Reef Watch</p></div>

## Summary Statement

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

For May 2024, rainfall was *above normal* across the Central, and Eastern Divisions, as well as at Lautoka, Savusavu, Udu point and Rotuma, *near normal* at Penang and Labasa, while Nadi recorded *below normal* rainfall. Savusavu Airfield, Udu Point, and Nausori Airport recorded their wettest, second wettest, and seventh wettest May in 66, 75, and 68 years of record, respectively.

For March to May 2024, *above normal* rainfall was registered across the Western, Central, Eastern, and Northern Divisions, as well as at Rotuma. Savusavu Airfield, Nadi Airport, and Nausori Airport recorded their wettest, seventh wettest, eighth wettest March to May in 65, 81, and 68 years of, respectively. Labasa and Lakeba their ninth wettest and March to May in 68 and 72 years of record, respectively.

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

### Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for July 2024 is likely to be *near normal* for Yasawa Group, Northern Viti Levu, and Vanua Levu, *above normal* for Rotuma, while there is little guidance for the rest of the Fiji Group. The rainfall for July to September is likely to be *below normal* for most parts of Viti Levu and the Mamanuca Group, *near normal* for Kadavu and Ono-i-Lau, and *above normal* for the Lomaiviti Group and Rotuma. There is little guidance for the rest of the Fiji Group.

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

## Part 2: Recent Ocean summary statement

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

May and averaged over March to May, ocean temperatures around Fiji were 0.5 to 1.5°C above normal.

April sea levels were near-normal in most parts of northern Fiji and above-normal 50 to 150 mm over the rest of the country.

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

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

### Ocean Variable statement

July and averaged over July to September 2024, ocean temperatures are predicted to be 0.4 to 1.2°C *above normal*.

Monthly sea surface heights for July are likely to be 30 to 200mm *below normal* for northern half of Fiji's Exclusive Economic Zone (EEZ), while remaining parts of the Fiji group are likely to be *near normal*.

Seasonal sea surface heights are likely to be 30 to 100mm *below normal* for northern half of Fiji's EEZ, 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

- May and March to May rainfall were above *normal* at most sites.
- July rainfall is likely to be *near normal* for Yasawa Group, Northern Viti Levu, and Vanua Levu, and *near normal* for Rotuma. The rainfall for July to September is likely to be *below normal* for most parts of Viti Levu and the Mamanuca Group, *near normal* for Kadavu and Ono-i-Lau, and *above normal* for the Lomaiviti Group and Rotuma.
- SSTs were above normal for May and March to May. The outlook predicts *above normal* SSTs for the next one and three months.
- Sea-surface heights (SSHs) were *above normal* for May. *Below normal* sea surface heights for northern half of Fiji's exclusive economic zone are predicted for July and July to September. For the rest of the EEZ, SSHs are predicted to be near normal.

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

Product	Date: April 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Fiji Climate Summary	07/05/2024	General Public	140	106	34	
EAR Watch	10/05/2024	Humanitarian partners	122	96	26	
Fiji Climate Outlook	30/04/2024	General public	124	93	31	
Climate Outlook for Monasavu	30/05/2024	Energy Fiji Limited	13	13	-	
Fiji Ocean Outlook	20/05/2024	A number of key ocean related stakeholders	36	29	7	
ENSO update	24/05/2024	General Public	142	116	26	
Fiji Sugarcane Rainfall Outlook	8/05/2024	Sugar Industry stakeholders	77	60	17	
Meteorological Data Request	1/05/2024- 31/05/2024	A range of stakeholders	45	37	8	
<b>Total</b>			<b>699</b>	<b>550</b>	<b>149</b>	

