

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 206

Country: Fiji

Part 1: Recent climate

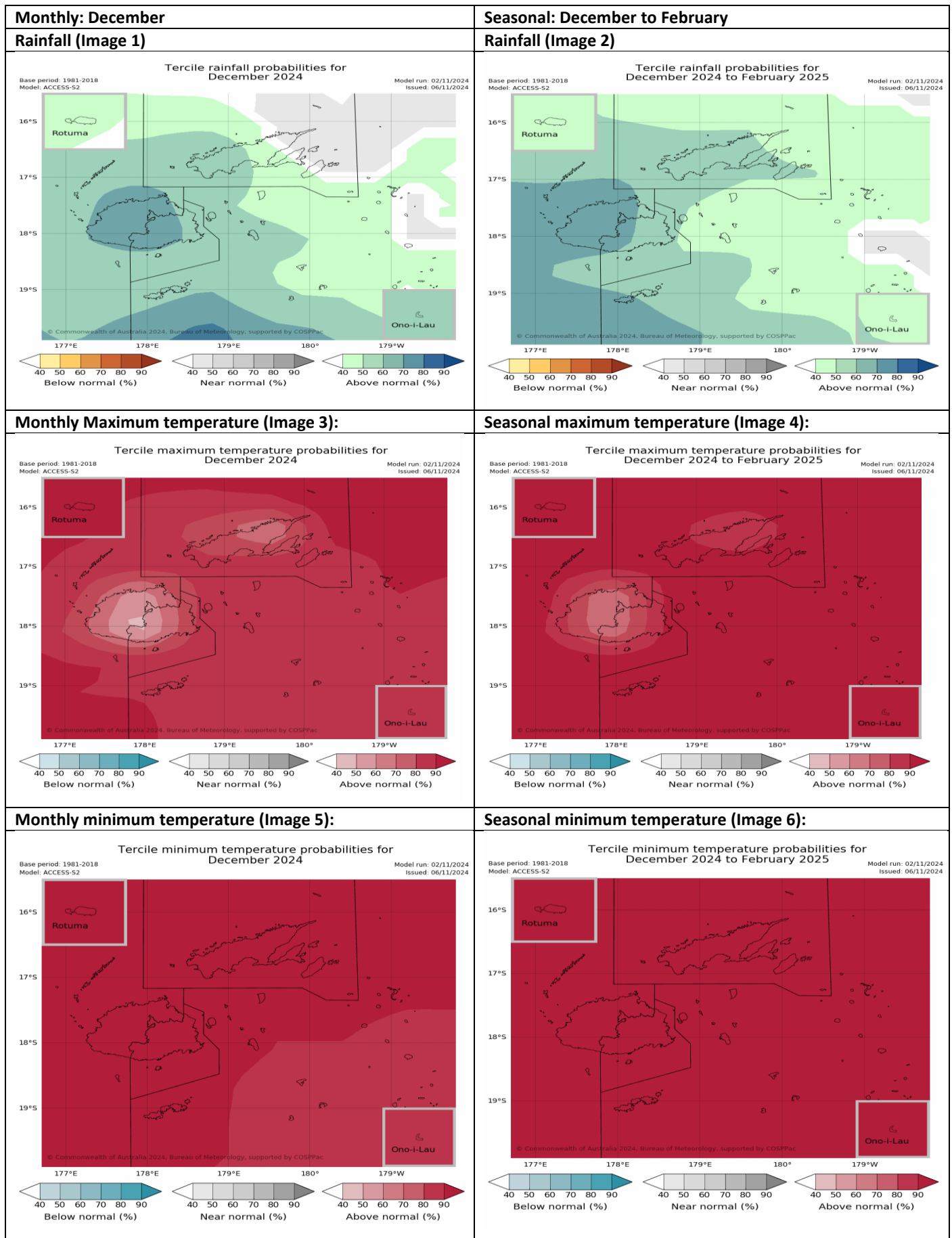
TABLE 1: Monthly Rainfall

Station (include data period)	Aug-2024	Sep-2024	Oct-2024					Rank
			Total (mm)	33%tile	67%tile	Median		
	Total (mm)	Total (mm)	Rainfall (mm)					
<i>Western Division</i>								
Penang Mill (1910-2024)	108.8	24.6	73.7	42.3	120.7	72.6	57/115	
Lautoka Mill (1900-2024)	104.1	6.8	128.3	39.3	103.2	64.4	94/125	
Nadi Airport (1942-2024)	100.9	9.9	140.7	39.6	111.4	61.6	63/83	
<i>Central Division</i>								
Laucala Bay (Suva) (1942-2024)	215.3	108.0	371.3	134.0	230.5	175.4	70/83	
Nausori Airport (1957-2024)	223.2	115.5	269.7	129.2	258.3	153.1	47/68	
Tokotoko (Navua) (1945-2024)	252.0	201.5	337.5	195.1	319.8	250.2	57/80	
<i>Eastern Division</i>								
Lakeba (1950-2024)	0.5	147.6	78.8	64.6	140.2	85.0	34/75	
Vunisea (Kadavu) (1931-2024)	196.0	131.0	406.7	94.9	170.4	127.4	84/85	
Ono-i-Lau (1943-2024)	44.7	54.4	148.8	40.0	111.7	74.5	62/79	
<i>Northern Division</i>								
Labasa Airport (1946-2024)	36.3	55.0	161.9	67.1	133.4	96.7	49/66	
Savusavu Airfield (1956-2024)	31.9	105.6	129.0	97.1	188.3	129.0	34/67	
Udu Point (1946-2024)	267.6	194.3	217.0	93.0	210.0	163.5	52/76	
Rotuma (1912-2024)	22.5	243.5	145.5	243.7	372.0	298.0	11/109	

TABLE 2: Three-month Total Rainfall for August to October 2024

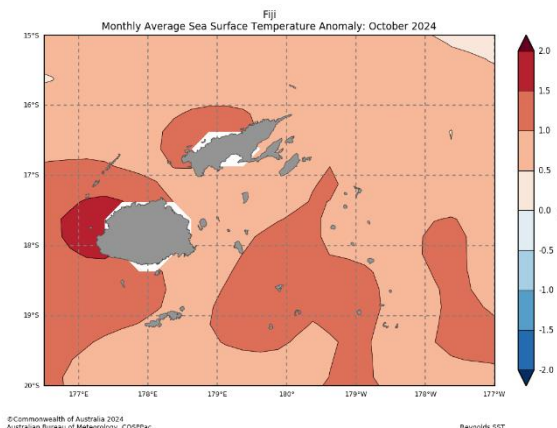
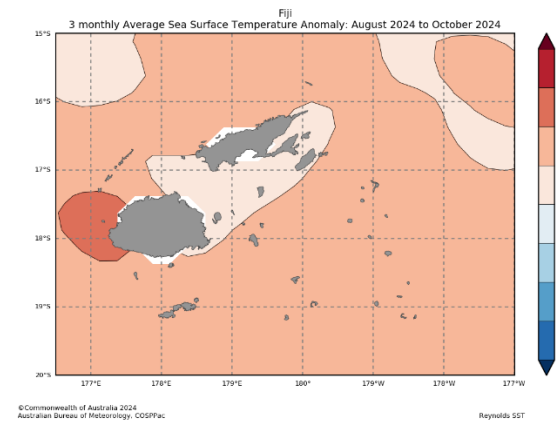
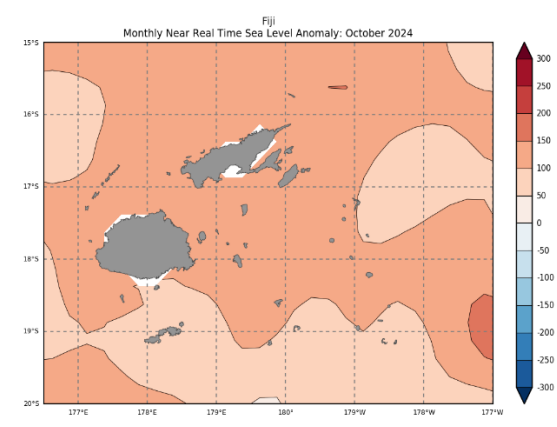
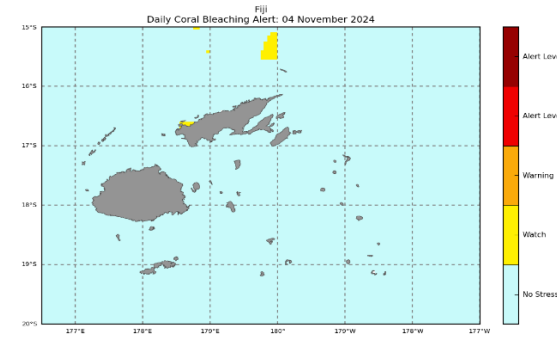
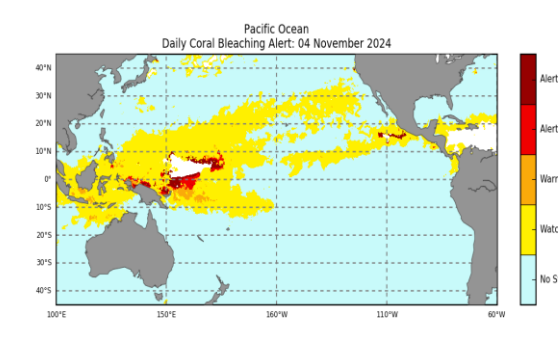
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Western Division						
Penang Mill (1910-2024)	207.1	Normal	187.2	278.5	236.0	52/114
Lautoka Mill (1900-2024)	239.2	Normal	152.5	261.0	215.4	73/125
Nadi Airport (1942-2024)	251.5	Normal	171.7	281.7	225.1	46/83
Central Division						
Laucala Bay (Suva) (1942-2024)	694.6	Above normal	428.8	619.5	515.6	61/83
Nausori Airport (1957-2024)	608.4	Normal	422.5	610.4	488.0	45/68
Tokotoko (Navua) (1945-2024)	791.0	Above normal	562.5	784.2	652.0	53/78
Eastern Division						
Lakeba (1950-2024)	226.9	Below normal	253.7	342.8	305.8	21/74
Vunisea (Kadavu) (1931-2024)	733.7	Above normal	325.4	447.5	392.0	81/83
Ono-i-Lau (1943-2024)	247.9	Normal	236.9	370.6	312.2	32/77
Northern Division						
Labasa Airport (1947-2024)	253.2	Above normal	178.8	242.2	198.9	45/64
Savusavu Airfield (1957-2024)	266.5	Below normal	301.3	416.5	353.2	16/66
Udu Point (1946-2024)	678.9	Above normal	299.3	427.1	347.8	73/75
Rotuma (1912-2024)	411.5	Below normal	634.6	888.1	718.2	4/106

Part 1i. Monthly and Seasonal Outlooks for December and December to February 2025



Part 2: Recent Ocean Observation

Monthly/Three months: October 2024 and August to October 2024

Monthly: October 2024	Last three months: August to October 2024:
<p>Sea Surface Temperature (Image 1):</p>  <p>Monthly Average Sea Surface Temperature Anomaly: October 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p>	<p>Sea Surface Temperature (Image 4):</p>  <p>3 monthly Average Sea Surface Temperature Anomaly: August 2024 to October 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p>
<p>Sea level (Image 2):</p>  <p>Monthly Near Real Time Sea Level Anomaly: October 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p>	
<p>Daily coral bleaching alert (Image 3):</p>  <p>Daily Coral Bleaching Alert: 04 November 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p>	 <p>Pacific Ocean Daily Coral Bleaching Alert: 04 November 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p>

Part 2i. Monthly and Seasonal Outlooks for December and December to February 2025

Monthly: December	Seasonal: December to February
<p>Monthly sea surface temperature (Image 5):</p> <p>Difference from average sea surface temperature forecast for December 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/11/2024 Issued: 06/11/2024</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Seasonal sea surface temperature (Image 6):</p> <p>Difference from average sea surface temperature forecast for December 2024 to February 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/11/2024 Issued: 06/11/2024</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>
<p>Monthly sea level (Image 7):</p> <p>Difference from average sea surface height forecast for December 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/11/2024 Issued: 06/11/2024</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Seasonal sea level (Image 8):</p> <p>Difference from average sea surface height forecast for December 2024 to February 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 04/11/2024 Issued: 06/11/2024</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>
<p>4-week Coral Bleaching (Image 9):</p> <p>Fiji 4 Weeks Coral Bleaching Outlook: 17 November 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>	<p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 17 November 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>

Summary Statement

Monthly and last three months: October 2024/August to October 2024 statement

For October 2024, rainfall was *above normal* across the Central Division, Lautoka, Nadi, Vunisea, Ono-i-Lau, Labasa and Udu Point, *near normal* at Penang, Lakeba and Savusavu, and *below normal* at Rotuma. Vunisea recorded its second wettest October in 84 years of record.

August to October 2024, *below normal* was recorded at Lakeba, Savusavu and Rotuma, *near normal* across Western Division, Nausori and Ono-i-Lau, and *above normal* at Laucala Bay, Navua, Labasa and Udu Point. Vunisea and Udu Point recorded their third wettest August to October period in 75 and 83 years of record, respectively. Rotuma recorded its fourth driest August to October Period in 106 years of record.

Part 1i. Monthly and Seasonal Outlooks for December and December to February 2025

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for December 2024 is likely to be *above normal* across Western, Central Division, and most parts of the Northern and Eastern Division. The rainfall for December to February 2025 is likely to be *above normal* for Western, Central, and Northern Divisions and most parts of the Eastern Division. Maximum and minimum temperatures for Fiji for December 2024 and averaged over December to February 2025 are very likely to be *above normal* across the Fiji Group.

Part 2: Recent Ocean summary statement

Monthly and last three months: October 2024/August to October 2024

October ocean temperatures in most parts of Fiji were 0.5 to 1.5°C *above normal*, while 1.5 to 2.5°C *above normal* were observed immediately to west of Viti Levu. Averaged over August to October, ocean temperatures in most parts of Fiji were utmost 1.5°C *above normal*.

October 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 December and December to February 2025

Ocean Variable statement

December and averaged over December to February 2025, ocean temperatures are predicted to be 0.4 to 1.2°C *above normal*.

Monthly sea surface heights for December, as well as the seasonal sea surface height are likely to be 30 to 60mm *below normal* for Rotuma, while sea surface heights for the remaining parts of the Fiji group are likely to be *near normal*.

Coral bleaching four-week outlook is at '*No Stress*' for the Fiji Group.

IN BRIEF for Teleconference

- October rainfall totals were mostly *above average* at most sites, while August to October 2024 rainfall totals ranged from *below average* to *above average* across the country.
- The rainfall for December and December to February is likely to be *above normal* across most parts of the country.
- SSTs were *above normal* for October and August to October. The outlook predicts *above normal* SSTs for the next one and three months.
- Sea-surface heights (SSHs) were *above normal* for October. *Below normal* sea surface heights are predicted for Rotuma for December and from December to February 2025. 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: October 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Fiji Climate Summary	9/10/2024	General Public	140	106	34	
EAR Watch	11/10/2024	Humanitarian partners	122	96	26	
Fiji Climate Outlook	31/10/2024	General public	124	93	31	
Climate Outlook for Monasavu	31/10/2024	Energy Fiji Limited	13	13	-	
Fiji Ocean Outlook	18/10/2024	A number of key ocean related stakeholders	36	29	7	
Fiji Sugarcane Rainfall Outlook	3/10/2024	Sugar Industry stakeholders	77	60	17	
Meteorological Data Request	01/10/2024-31/10/2024	A range of stakeholders	(Yet to receive the report)			
Total			512	397	115	