

Country: Fiji

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2024	Nov-2024	Dec-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Western Division							
Penang Mill (1910-2024)	73.7	215.3	479.2	156.9	281.0	203.4	98/112
Lautoka Mill (1900-2024)	128.3	193.6	462.5	109.2	206.1	159.8	120/125
Nadi Airport (1942-2024)	140.7	122.7	520.0	120.8	244.3	184.2	81/83
Central Division							
Laucala Bay (Suva) (1942-2024)	371.3	549.0	281.8	212.5	337.7	269.5	45/83
Nausori Airport (1957-2024)	269.7	385.3	265.8	214.9	326.1	258.2	38/69
Tokotoko (Navua) (1945-2024)	337.5	414.5	275.0	233.4	396.2	291.0	38/79
Eastern Division							
Lakeba (1950-2024)	78.8	79.4	190.0	135.6	208.2	165.1	45/75
Vunisea (Kadavu) (1931-2024)	406.7	324.5	165.1	110.8	225.4	149.9	50/87
Ono-i-Lau (1943-2024)	148.8	222.3	88.3	82.4	172.4	114.9	26/77
Northern Division							
Labasa Airport (1946-2024)	161.9	249.8	563.1	152.2	278.8	215.6	63/66
Savusavu Airfield (1956-2024)	129.0	185.6	262.9	148.3	244.5	172.1	49/66
Udu Point (1946-2024)	217.0	267.5	304.0	190.2	309.5	264.8	46/75
Rotuma (1912-2024)	145.5	367.9	236.0	236.4	352.1	285.8	36/110

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

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Western Division						
Penang Mill (1910-2024)	768.2	Above normal	349.2	612.9	481.5	97/110
Lautoka Mill (1900-2024)	784.4	Above normal	296.7	443.9	360.5	117/125
Nadi Airport (1942-2024)	783.4	Above normal	330.6	495.4	380.0	79/82
Central Division						
Laucala Bay (Suva) (1942-2024)	1202.1	Above normal	565.6	879.6	761.6	74/83
Nausori Airport (1957-2024)	920.8	Above normal	577.4	908.8	720.4	46/68
Tokotoko (Navua) (1945-20243)	1027.0	Normal	766.5	1044.6	884.0	51/79
Eastern Division						
Lakeba (1950-2024)	348.2	Normal	335.3	527.0	424.8	28/75
Vunisea (Kadavu) (1931-2024)	896.3	Above normal	313.6	535.6	465.4	82/84
Ono-i-Lau (1943-2024)	459.4	Above normal	225.1	416.8	347.6	55/77
Northern Division						
Labasa Airport (1947-2024)	974.8	Above normal	361.8	605.9	482.7	60/62
Savusavu Airfield (1957-2024)	577.5	Normal	421.9	626.5	521.2	40/65
Udu Point (1946-2024)	788.5	Above normal	544.3	755.2	635.8	55/74
Rotuma (1912-2024)	749.4	Below normal	818.0	1059.7	946.7	29/108

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

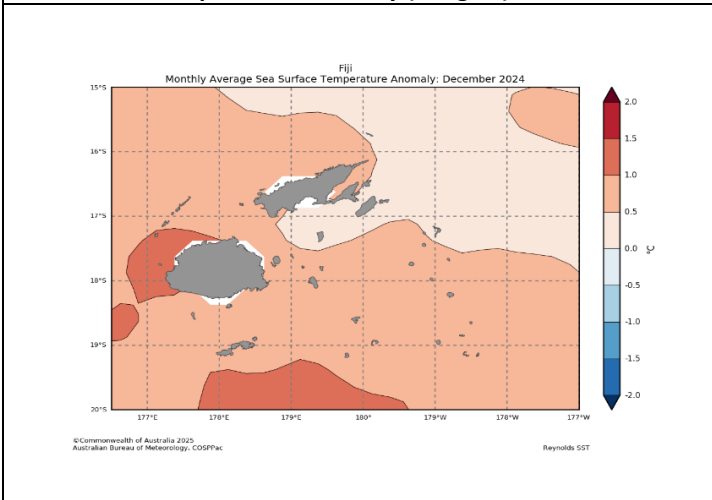
Monthly: February	Seasonal: February to April
<div>Rainfall (Image 1)</div> <div><p>Tercile rainfall probabilities for February 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 30/12/2024 Issued: 02/01/2025</p><p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by COSPPac</p></div>	<div>Rainfall (Image 2)</div> <div><p>Tercile rainfall probabilities for February to April 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 30/12/2024 Issued: 02/01/2025</p><p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by COSPPac</p></div>
<div>Monthly Maximum temperature (Image 3):</div> <div><p>Tercile maximum temperature probabilities for February 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 30/12/2024 Issued: 02/01/2025</p><p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by COSPPac</p></div>	<div>Seasonal maximum temperature (Image 4):</div> <div><p>Tercile maximum temperature probabilities for February to April 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 30/12/2024 Issued: 02/01/2025</p><p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by COSPPac</p></div>
<div>Monthly minimum temperature (Image 5):</div> <div><p>Tercile minimum temperature probabilities for February 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 30/12/2024 Issued: 02/01/2025</p><p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by COSPPac</p></div>	<div>Seasonal minimum temperature (Image 6):</div> <div><p>Tercile minimum temperature probabilities for February to April 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 30/12/2024 Issued: 02/01/2025</p><p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by COSPPac</p></div>

Part 2: Recent Ocean Observation

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

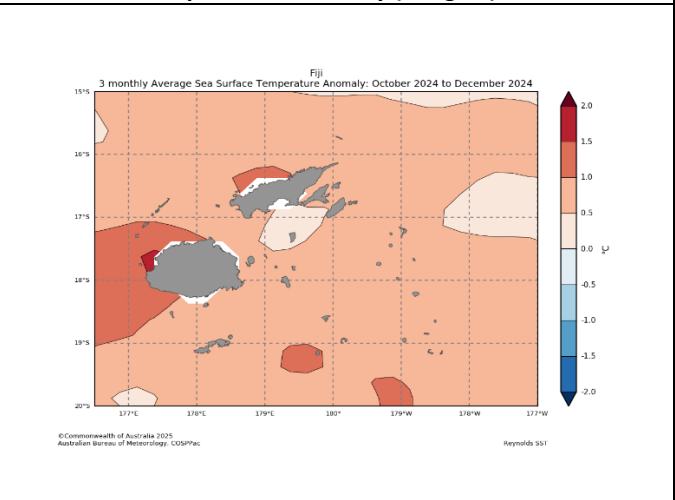
Monthly: December 2024

Sea Surface Temperature Anomaly (Image 1):

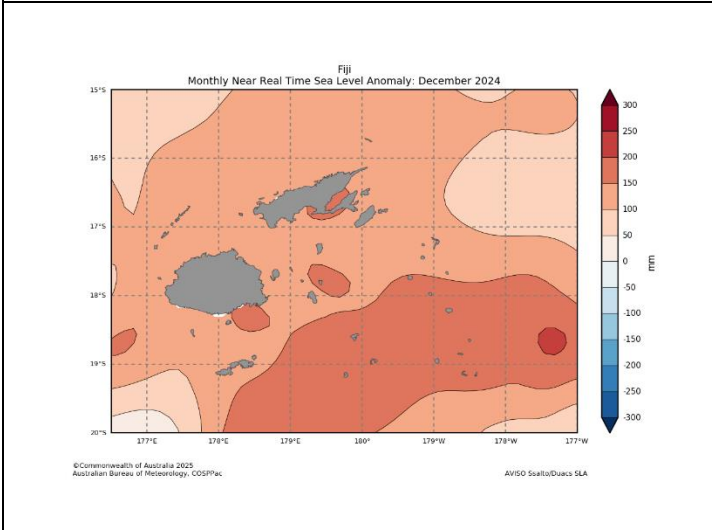


Last three months: October to December 2024:

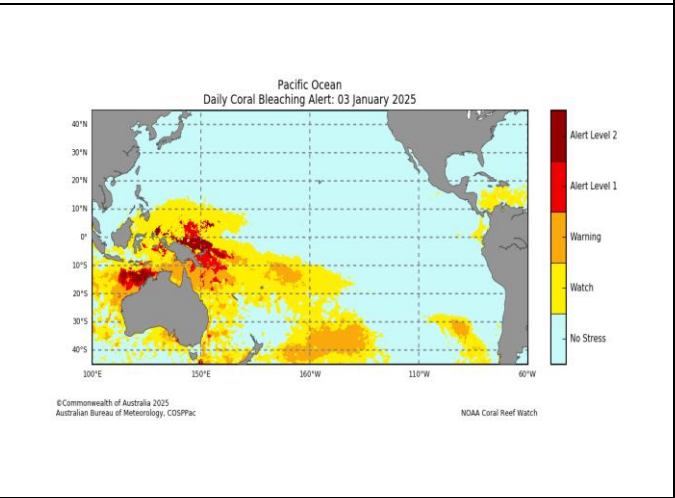
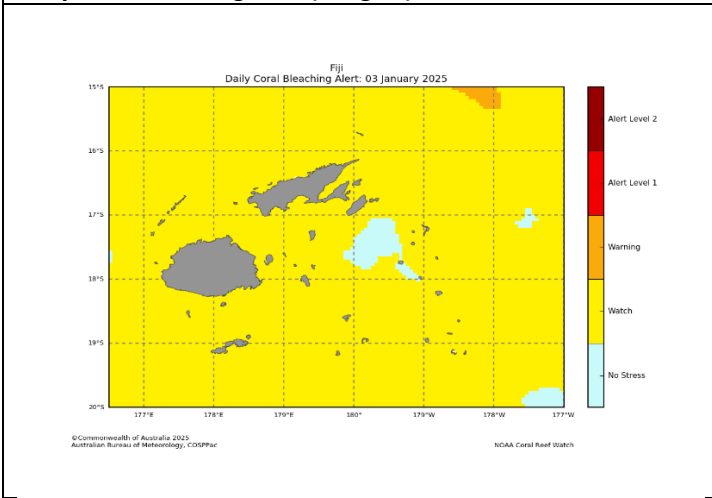
Sea Surface Temperature Anomaly (Image 4):



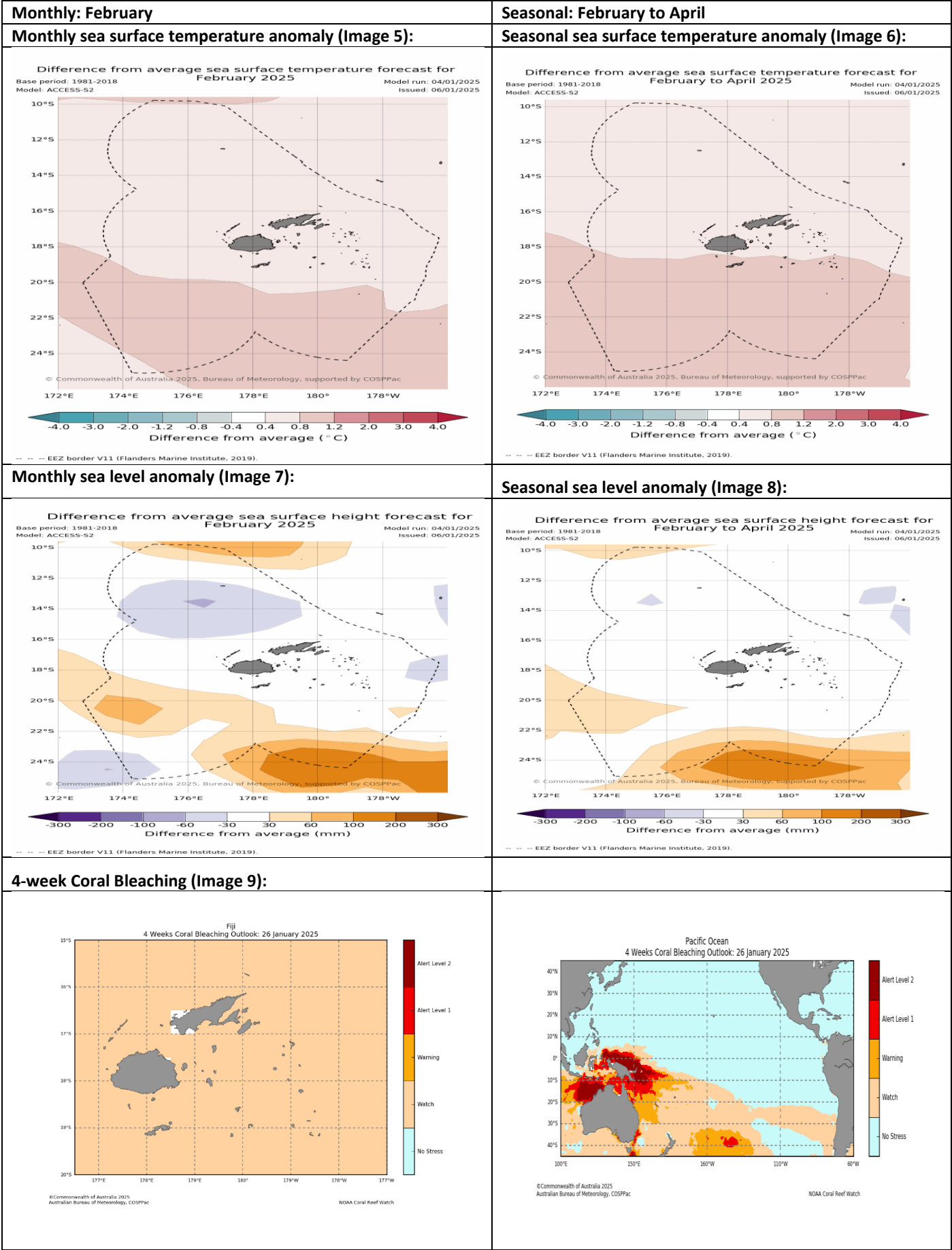
Sea level anomaly (Image 2):



Daily coral bleaching alert (Image 3):



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



Summary Statement

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

For December 2024, rainfall was *above normal* across the Western Division, Labasa and Savusavu, *near normal* across the Central and Eastern Divisions and Udu Point and *below normal* at Rotuma. Nadi, Labasa and Lautoka recorded their third, fourth and sixth wettest December in 83, 66 and 125 years of record, respectively.

October to December 2024, above normal rainfall across the Western Division, Laucala Bay, Nausori, Vunisea, Ono-i-lau, Labasa and Udu Point, *near normal* at Tokotoko (Navua), Lakeba and Savusavu, and *below normal* at Rotuma. Nadi, Vunisea and Labasa recorded their third wettest October to December in 82, 84 and 62 years of record, respectively.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for February 2025 is likely to be *above normal* for Western, Central and most parts of the Northern and Eastern Divisions, *near normal* for northern tip of Vanua Levu, below normal in Rotuma, while there is little guidance for the Lomaiviti Group.

The rainfall for February to April 2025 is likely to be *above normal* across the Western Division, most parts of the Northern, Central and Eastern Divisions, near normal for parts of Lomaiviti Group, Taveuni, Qamea, Rabi and parts of northern Lau group, below normal for Rotuma, while there is little guidance for the rest of Fiji.

Maximum and minimum temperatures for Fiji for February 2025 and averaged over February to April 2025 are very likely to be *above normal* across the Fiji Group.

Part 2: Recent Ocean summary statement

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

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

December sea levels in most parts of Fiji were 50 to 200mm *above normal*.

Coral bleaching alert is at 'Watch' for most parts of Fiji.

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

Ocean Variable statement

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

Monthly sea surface heights for February are likely to 30-60mm *below normal* for Rotuma and near normal for rest of the Fiji Group. The seasonal sea surface height is likely to be *near normal* for the Fiji Group.

Coral bleaching four-week outlook is at 'Watch' for the Fiji Group.

- December rainfall totals ranged from *near normal to above average* across the country, while October to December 2024 rainfall totals were mostly *above normal* at most of the sites.
- The rainfall for February and February to April is likely to be *above normal* across most parts of the country.
- SSTs were *above normal* for December and October to December. The outlook predicts *above normal* SSTs for the next one and three months.
- Sea-surface heights (SSHs) were *above normal* for December. *Below normal* sea surface heights are predicted for Rotuma for February. For the rest of the Fiji Group, SSHs are predicted to be *near normal for the next one and three months*.
- Coral bleaching four-week outlook is at 'Watch' for the Fiji Group.

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

Product	Date: December 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Annual Climate summary	24/12/2024	General Public	140	106	34	
Fiji Climate Summary	10/12/2024	General Public	140	106	34	
EAR Watch	13/12/2024	Humanitarian partners	122	96	26	
Fiji Climate Outlook	30/12/2024	General public	124	93	31	
Climate Outlook for Monasavu	23/12/2024	Energy Fiji Limited	13	13	-	
Fiji Ocean Outlook	20/12/2024	A number of key ocean related stakeholders	36	29	7	
Fiji Sugarcane Rainfall Outlook	31/12/2024	Sugar Industry stakeholders	77	60	17	
7 th National Climate Forum	04/12/2024- 05/12/2024	Government agency, non- government agencies and women groups	33	20	13	
Meteorological Data Request	01/11/2024- 30/11/2024	A range of stakeholders	39	24	15	
Total			724	547	177	

Flash Flooding Events

Continuous and torrential heavy rainfall from the 24th to 28th led to flash floods at low-level crossings in low lying areas and several towns across the Western Division.



Figure 12a: Flooding in parts of Ba town on the 27th. Source: The Fiji Times.



Figure 12b: Narara crossing flooding on the 24th. Source: Fiji Times.



Figure 12c: Flooding and blockage of E Muri crossing, Nadroga, on the 25th. Source: Fiji Roads



Figure 12d: Vaivai crossing on the 24th. Source: Fiji Roads Authority.



Figure 12e: Lovu Seaside, Lautoka, flooding on the 28th. Source: The Fiji Times.



Figure 12f: Naqoro flats, Rakiraki, flooding on the 27th. Source: FijiVillage.



Figure 12g: Flooding of Nadi town on the 25th. Source: Fiji Police Force.



Figure 12h: Zailav crossing on the 27th. Source: FijiVillage



Figure 12i: Submerged Toge crossing on the 28th. Source: The Fiji Times