

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 202

Country: Fiji

Part 1: Recent climate

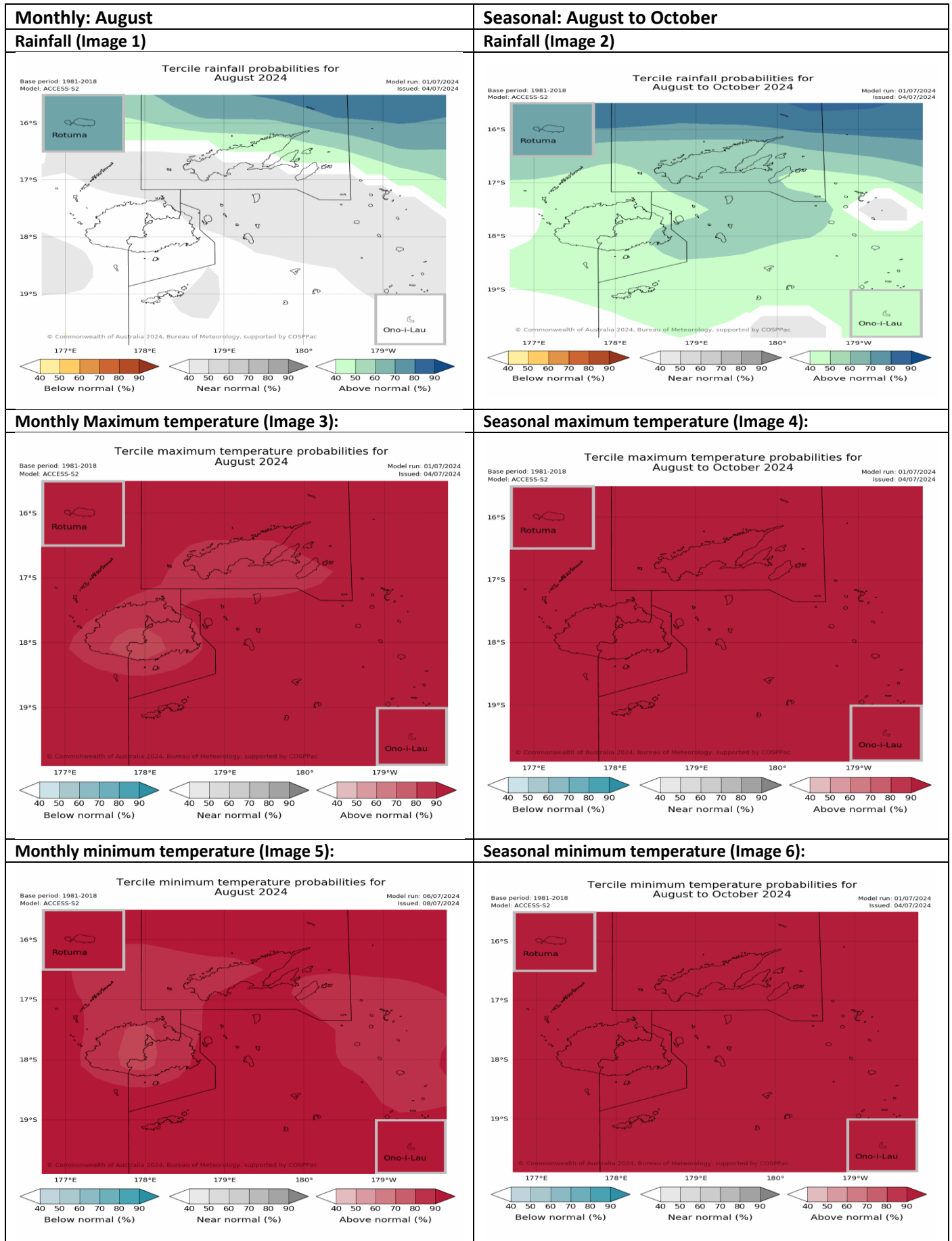
TABLE 1: Monthly Rainfall

Station (include data period)	Apr-2024	May-2024	Jun-2024					Rank
			Total (mm)	33%tile	67%tile	Median	Rainfall (mm)	
			Total (mm)	Total (mm)				
Western Division								
Penang Mill (1910-2024)	60.0	119.0	9.6	47.1	99.1	59.9	10/115	
Lautoka Mill (1900-2024)	16.9	136.0	0.0	34.2	73.5	48.1	1/125	
Nadi Airport (1942-2024)	13.7	38.9	0.0	28.6	72.9	53.2	1/83	
Central Division								
Laucala Bay (Suva) (1942-2024)	169.0	331.0	61.2	101.0	208.4	137.1	15/83	
Nausori Airport (1957-2024)	165.2	402.7	79.7	92.7	201.4	142.5	18/68	
Tokotoko (Navua) (1945-2024)	175.0	417.5	124.0	129.9	232.6	163.0	22/80	
Eastern Division								
Lakeba (1950-2024)	43.0	231.0	5.5	52.0	127.1	81.7	2/75	
Vunisea (Kadavu) (1931-2024)	132.0	212.0	67.7	84.4	141.4	115.9	28/88	
Ono-i-Lau (1943-2024)	122.0	261.3	16.5	62.7	108.2	81.0	5/77	
Northern Division								
Labasa Airport (1946-2024)	30.9	121.1	58.1	29.0	81.0	44.4	38/68	
Savusavu Airfield (1956-2024)	205.3	535.8	51.6	69.9	136.0	107.9	19/65	
Udu Point (1946-2024)	165.9	423.5	19.2	76.8	152.0	105.4	5/76	
Rotuma (1912-2024)	391.0	425.0	103.0	201.5	303.7	245.9	7/110	

TABLE 2: Three-month Total Rainfall for April to June 2024

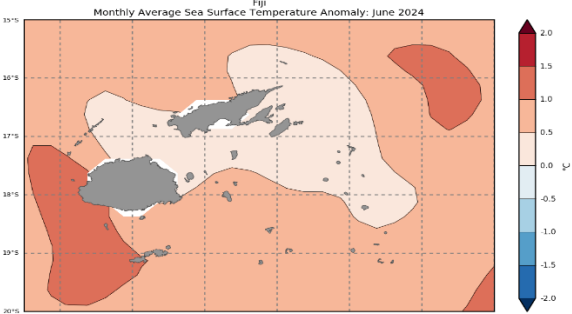
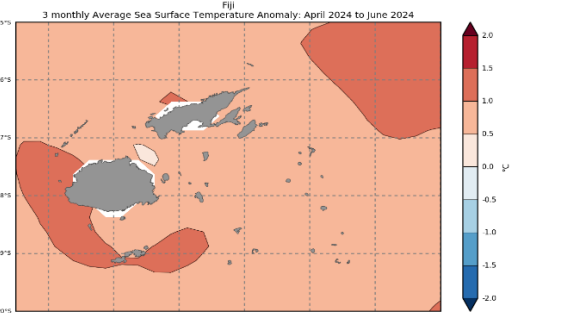
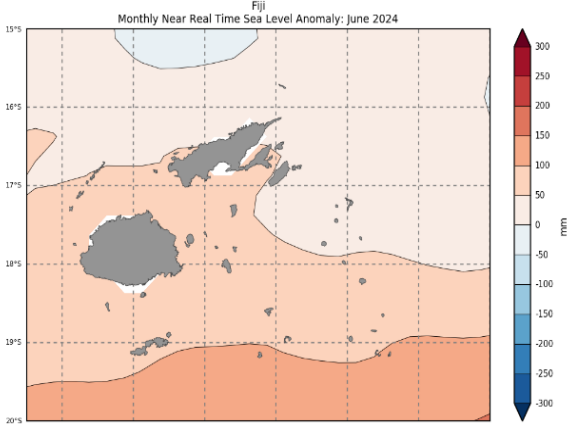
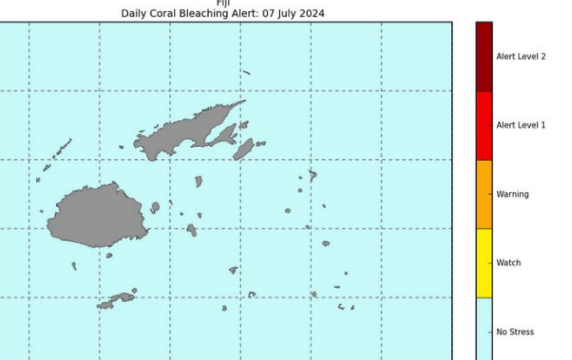
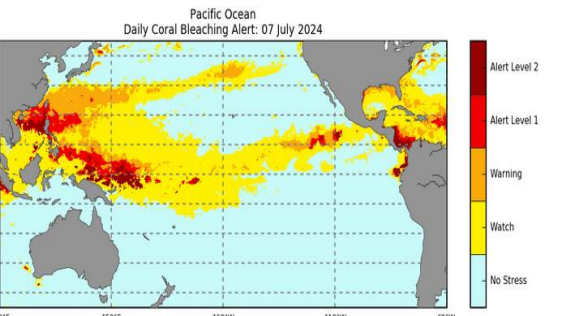
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Western Division						
Penang Mill (1910-2024)	188.6	Below normal	374.8	554.9	459.8	6/114
Lautoka Mill (1900-2024)	152.9	Below normal	264.0	411.5	347.6	12/125
Nadi Airport (1942-2024)	52.6	Below normal	254.3	373.8	314.4	3/82
Central Division						
Laucala Bay (Suva) (1942-2024)	561.2	Below normal	677.8	832.3	731.6	13/83
Nausori Airport (1957-2024)	647.6	Normal	645.9	794.0	706.2	26/68
Tokotoko (Navua) (1945-2024)	716.5	Below normal	723.3	992.1	862.0	25/80
Eastern Division						
Lakeba (1950-2024)	279.5	Below normal	357.3	502.8	429.8	16/72
Vunisea (Kadavu) (1931-2024)	411.7	Below normal	483.7	620.7	547.8	25/88
Ono-i-Lau (1943-2024)	399.8	Normal	320.1	473.3	413.6	31/74
Northern Division						
Labasa Airport (1947-2024)	210.1	Below normal	335.7	447.5	404.8	9/68
Savusavu Airfield (1957-2024)	792.7	Above normal	404.6	629.2	506.7	56/64
Udu Point (1946-2024)	608.6	Normal	443.5	664.4	535.5	47/74
Rotuma (1912-2024)	919.0	Above normal	744.0	913.8	818.8	73/110

Part 1i. Monthly and Seasonal Outlooks for August and August to October 2024

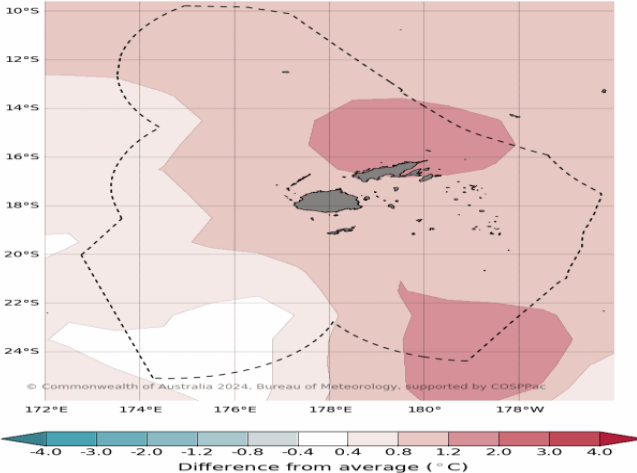
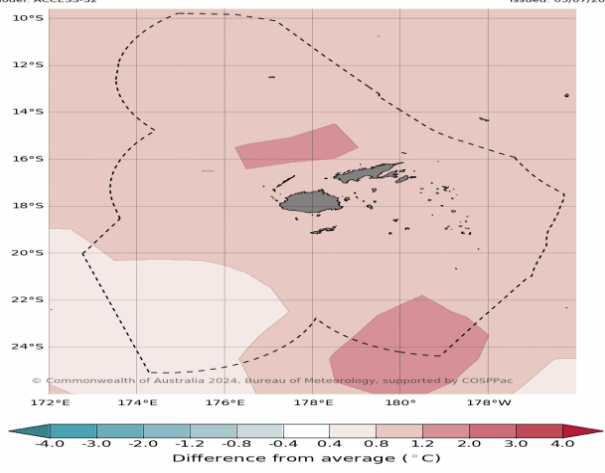
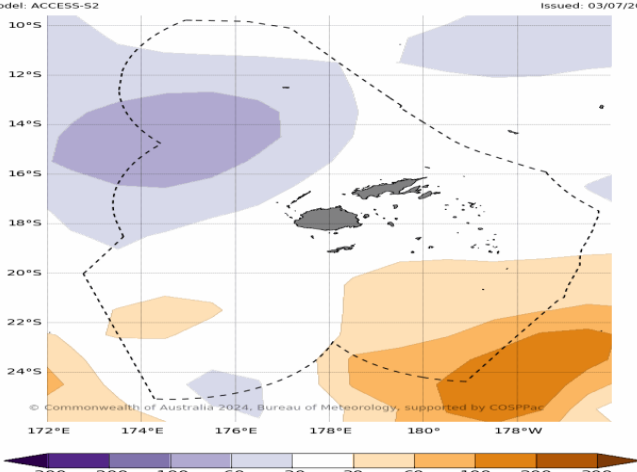
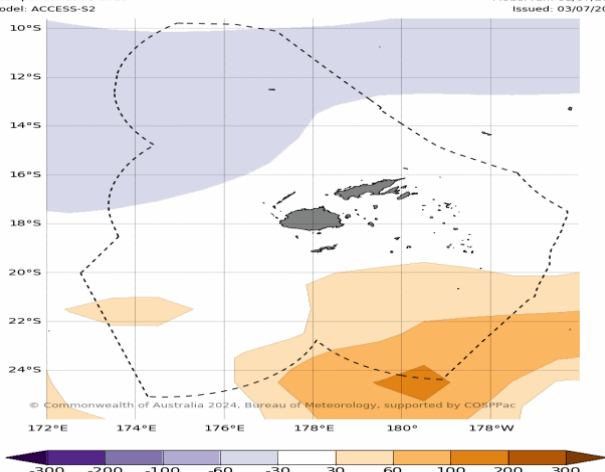
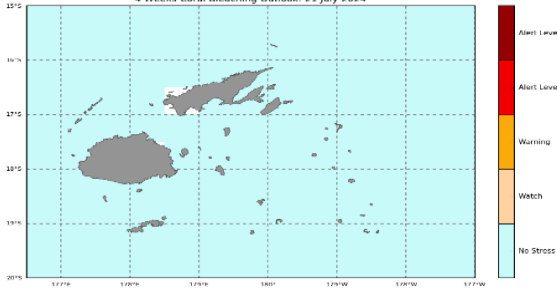
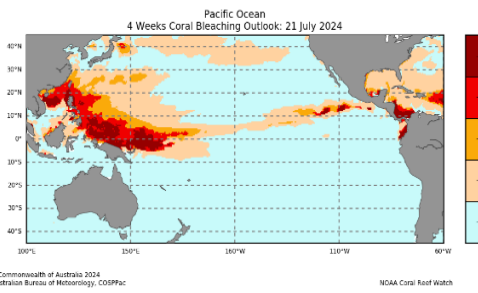


Part 2: Recent Ocean Observation

Monthly/Three months: June 2024 and April to June 2024

Monthly: June 2024	Last three months: April to June 2024:
<p>Sea Surface Temperature (Image 1):</p>  <p>Monthly Average Sea Surface Temperature Anomaly: June 2024</p> <p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>	<p>Sea Surface Temperature (Image 4):</p>  <p>3 monthly Average Sea Surface Temperature Anomaly: April 2024 to June 2024</p> <p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>
<p>Sea level (Image 2):</p>  <p>Monthly Near Real Time Sea Level Anomaly: June 2024</p> <p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>AVISO SeaLto/Duacs SLA</p>	
<p>Daily coral bleaching alert (Image 3):</p>  <p>Daily Coral Bleaching Alert: 07 July 2024</p> <p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>	 <p>Pacific Ocean Daily Coral Bleaching Alert: 07 July 2024</p> <p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>

Part 2i. Monthly and Seasonal Outlooks for August and August to October 2024

Monthly: August	Seasonal: August to October
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):
<p>Difference from average sea surface temperature forecast for August 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 01/07/2024 Issued: 03/07/2024</p>  <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Difference from average sea surface temperature forecast for August to October 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 01/07/2024 Issued: 03/07/2024</p>  <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>
Monthly sea level (Image 7):	Seasonal sea level (Image 8):
<p>Difference from average sea surface height forecast for August 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 01/07/2024 Issued: 03/07/2024</p>  <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Difference from average sea surface height forecast for August to October 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 01/07/2024 Issued: 03/07/2024</p>  <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>
4-week Coral Bleaching (Image 9):	
<p>Fiji 4 Weeks Coral Bleaching Outlook: 21 July 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: 21 July 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: June 2024/April to June 2024 statement

For June 2024, rainfall was *below normal* throughout the country, except at Labasa which recorded *near-normal* rainfall. Both Lautoka Mill and Nadi Airport recorded their driest June in 125 and 83 years of record, respectively, Lakeba recorded its second driest June in 75 years of record, while both Ono-i-Lau and Udu Point recorded their fifth driest June in 77 and 76 years year of record, respectively. In addition, Rotuma posted its seventh driest June in 110 years of record.

For April to June 2024, *below normal* rainfall was registered across the Western Division, as well at Laucala Bay (Suva), Navua, Lakeba, Vunisea and Labasa Airport, while *near-normal* rainfall was recorded at Nausori Airport, Ono-i-Lau and Udu Point. In contrast, Savusavu Airfield and Rotuma recorded *above normal* rainfall. Nadi Airport, and Penang Mill recorded their third and sixth driest April to June in 82 and 114 years of record, respectively.

Part 1i. Monthly and Seasonal Outlooks for August and August to October 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for August 2024 is likely to be *near-normal* for the Yasawa, Lomaiviti, northern and southern Lau, and southern Taveuni Groups, *above normal* for northern tip of Vanua Levu, Rabi and Rotuma, while there is little guidance for the rest of Fiji. The rainfall for August to October is likely to be *above normal* across Fiji.

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

Part 2: Recent Ocean summary statement

Monthly and last three months: June 2024/April to June 2024

June ocean temperatures in most parts of Fiji were 0.5 to 1.5°C above normal.

Averaged over April to June, ocean temperatures around Fiji were 0.5 to 1.5°C above normal.

June sea levels in most parts of Fiji were near-normal to 50 to 150 mm above normal.

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

Part 2i. Monthly and Seasonal Outlooks for August and August to October 2024

Ocean Variable statement

August ocean temperatures are predicted to be 0.4 to 1.2°C *above normal*, with a few *above normal* patches up to 2°C.

Averaged over August to October 2024, ocean temperatures are predicted to be 0.4 to 1.2°C *above normal*, with a few *above normal* patches up to 2°C.

Monthly sea surface heights for August 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*.

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

- June and April to June rainfall totals were *below normal* at most sites.
- August rainfall is likely to be *near-normal* for the Yasawa, Lomaiviti, northern and southern Lau, and southern Taveuni Groups, and *above normal* for northern tip of Vanua Levu, Rabi and Rotuma. The rainfall for August to October is likely to be *above normal* across Fiji.
- SSTs were above normal for June and April to June. The outlook predicts *above normal* SSTs for the next one and three months.
- Sea-surface heights (SSHs) were near-normal to *above normal* for June. *Below normal* sea surface heights for Rotuma and *above normal* sea surface heights for Ono-i-Lau are predicted for August and August to October. For the rest of the Fiji Group, SSHs are predicted to be *near normal*.

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

Product	Date: June 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Fiji Climate Summary	07/06/2024	General Public	140	106	34	
EAR Watch	11/06/2024	Humanitarian partners	122	96	26	
Fiji Climate Outlook	28/06/2024	General public	124	93	31	
Climate Outlook for Monasavu	25/06/2024	Energy Fiji Limited	13	13	-	
Fiji Ocean Outlook	20/06/2024	A number of key ocean related stakeholders	36	29	7	
Fiji Sugarcane Rainfall Outlook	11/06/2024	Sugar Industry stakeholders	77	60	17	
Meteorological Data Request	1/06/2024-30/06/2024	A range of stakeholders	45	37	8	
Total			557	434	123	