

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

Country: Tuvalu

Part 1: Recent climate

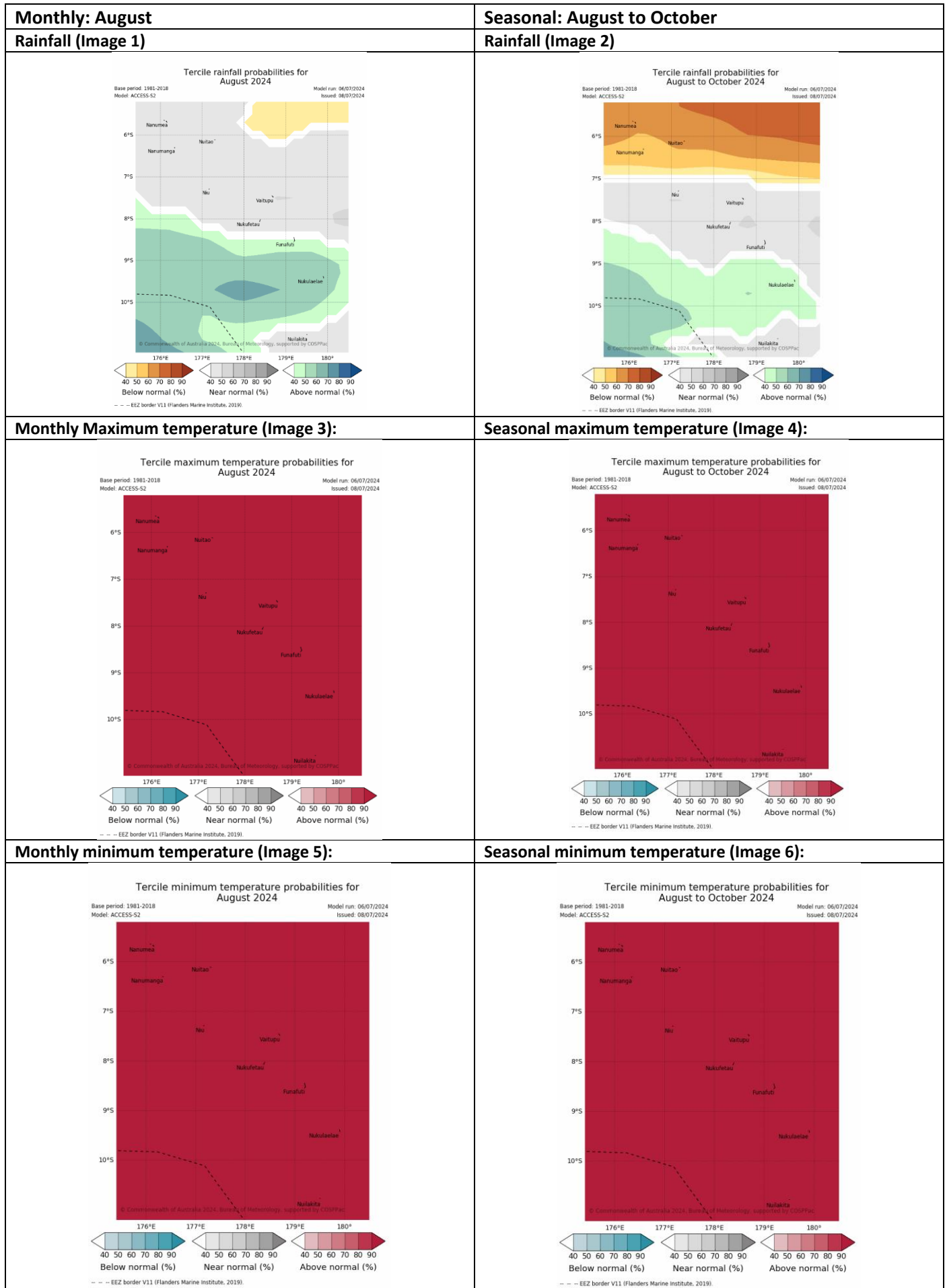
TABLE 1: Monthly Rainfall

Station (include data period)	Apr-2024	May-2024	Jun-2024				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2024)	265.2	351.2	257.7	123.0	206.2	163.0	67/84
Nui (1946-2024)	224.4	356.9	429.1	143.1	217.2	170.2	77/79
Funafuti (1933-2024)	226.1	223.2	447.7	161.8	243.1	192.9	90/92
Niulakita (1953-2024)	234.6	367.3	420.1	143.5	266.1	197.0	67/72

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

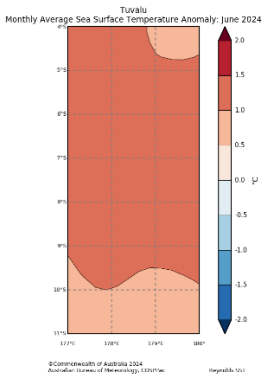
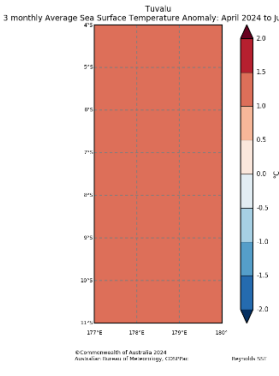
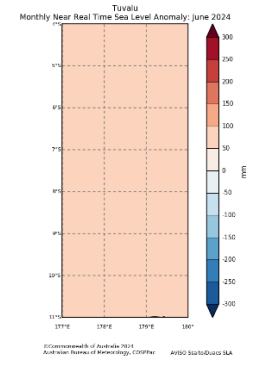
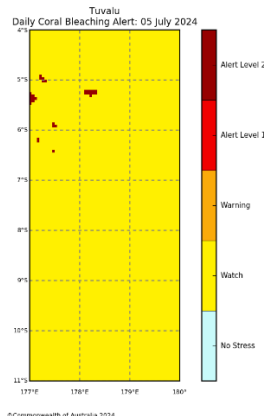
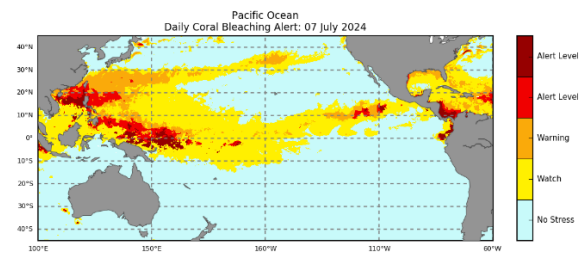
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2024)	874.1	Above normal	514.0	765.9	606.0	65/83
Nui (1946-2024)	1010.4	Above normal	503.2	726.0	578.4	71/79
Funafuti (1933-2024)	897.0	Above normal	620.5	800.3	702.1	78/92
Niulakita (1953-2024)	1022.0	Above normal	573.2	752.5	652.5	65/73

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>Tuvalu Monthly Average Sea Surface Temperature Anomaly: June 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, CSIRO/Sea Herald/100</p>	<p>Sea Surface Temperature (Image 4):</p>  <p>Tuvalu 3 monthly Average Sea Surface Temperature Anomaly: April 2024 to June 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, CSIRO/Sea Herald/100</p>
<p>Sea level (Image 2):</p>  <p>Tuvalu Monthly Near Real Time Sea Level Anomaly: June 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, CSIRO/Sea ARSO SeaLevelData SEA</p>	
<p>Daily coral bleaching alert (Image 3):</p>  <p>Tuvalu Daily Coral Bleaching Alert: 05 July 2024</p> <p>Alert Level 2 Alert Level 1 Warning Watch No Stress</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, CSIRO/Sea NOAA Coral Reef Watch</p>	 <p>Pacific Ocean Daily Coral Bleaching Alert: 07 July 2024</p> <p>Alert Level 2 Alert Level 1 Warning Watch No Stress</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, CSIRO/Sea NOAA Coral Reef Watch</p>

Summary Statement

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

The rainfall for June was above normal at all stations of Tuvalu. Nui and Funafuti recorded their third wettest of June, while Niulakita had it sixth wettest in 72 years of record.

For the past three months, rainfall was above normal over Tuvalu.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for August is likely to be near-normal around the Northern and Central groups, while the Southern group is likely or very likely to have above normal, except at Niulakita where near normal is likely

The rainfall for August to October is likely or very likely to be below normal around the Northern group, including Nanumea, and near normal in central areas (including Nui and Funafuti) and the far south, including Niulakita. In a narrow section of the lower Central group Central group, above normal August to October rainfall is likely.

Maximum and minimum temperatures during August and averaged over August to October are very likely to be above normal for Tuvalu.

Part 2: Recent Ocean summary statement

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

June ocean temperatures around Tuvalu were 1.0 to 1.5°C above normal, excepts for the far south and north of Tuvalu's EEZ which were 0.5 to 1.0°C above normal.

Averaged over April to June, ocean temperatures around Tuvalu were 1.0 to 1.5°C above normal.

June sea levels around Tuvalu were 50mm to 100mm above normal.

Coral bleaching Alert shows "watch" status over Tuvalu

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

Ocean Variable statement

August ocean temperatures around Tuvalu are predicted to be 0.8 to 1.2°C above normal.

Averaged over August to October, ocean temperatures around Tuvalu are predicted to be 0.8 to 1.2°C above normal, excepts the Northern parts of Tuvalu's EEZ are predicted to be 0.4 to 0.8°C above normal.

August sea levels around Northern and Central group are predicted to be 30mm to 100mm above normal, while Southern group to be -30mm to 30mm near normal, excepts Niulakita is likely to be below normal.

Averaged over August to October, sea levels around Northern and Central groups are predicted to be -30mm to 30mm near normal. In the far Southern parts of Tuvalu EEZ, sea levels are likely to be below normal.

IN BRIEF for Teleconference

- Rainfall was above normal for June and April to June.
- The rainfall outlook generally indicates near normal most likely in August and over August to October.
- SSTs were above normal for June and April to June. The outlook shows above normal SST for the next one and three months.
- Sea-surface heights (SSHs) were above normal for June around Northern and Central group. Below normal sea surface heights are predicted for August and August to October in the Southern group of Tuvalu, but near-normal to above normal over the rest of the group.
- Coral bleaching outlook is predicted to be warning over Northern and Central groups and No thermal stress at Southern group.

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)
Climate Bulletin		MET Staff	24	13		
		Disaster Dept	2	2		
		TRC	1			
		TuCAN	2			
		Agriculture	1	1		
		All Civil Servants	All			
		All-Kaupule Secretary	13	7		
EAR Watch		MET Staff	24	13		
		Disaster Dept	2	2		
		TRC	1			
		TuCAN	2			
		Agriculture	1	1		
		All Civil Servants	All			
		All-Kaupule Secretary	13	7		
Monthly Climate Briefing		(Climate Division)	4	2	2	
		(Forecast Division)	1	1	1	
Ocean Outlook		MET Staff	24	13		
		Disaster Dept	2	2		
		TRC	1			
		TuCAN	2			
		Agriculture	1	1		
		All Civil Servants	3			
		Fisheries Dept	All	7		

		All-Kaupule Secretary	13			
Climate data request						
Total			137	73	64	