Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 203

Country: Tonga

Part 1: Recent climate

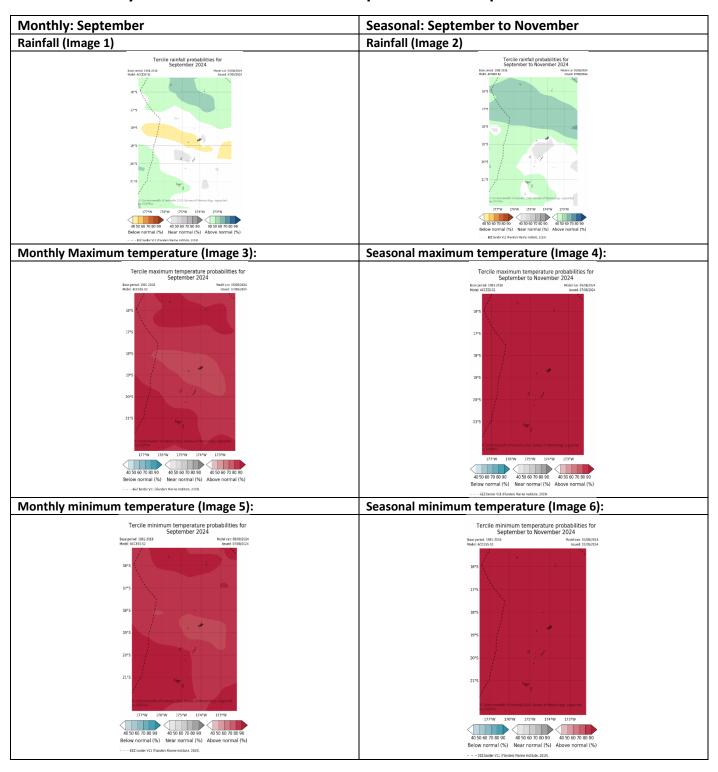
TABLE 1: Monthly Rainfall

	May- 2024	Jun-2024	Jul-2024					
' Station (include data period)			Total (mm)	33%tile	67%tile	Median	Donle	
	Total (mm)	Total (mm)	Rainfall (mm)				- Rank ^I	
Northern Division								
Niuafo'ou (1971-2024)	67.5	25.0	84.5	59.0	148.6	106.0	22/53	
Niuatoputapu (1947-2024)	163.0	157.5	119.5	59.7	128.4	91.8	50/78	
Central Division								
Vava'u (1947-2024)	162.2	107.8	85.1	66.0	121.7	82.3	42/78	
Ha'apai (1947-2024)	135.5	110.1	53.8	55.3	99.6	70.2	24/78	
Southern Division								
Fua'amotu (1979-2024)	384.8	46.3	62.5	67.5	136.4	100.8	15/45	
Nuku'alofa (1944-2024)	297.5	37.5	66.5	62.7	114.3	81.0	30/80	

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

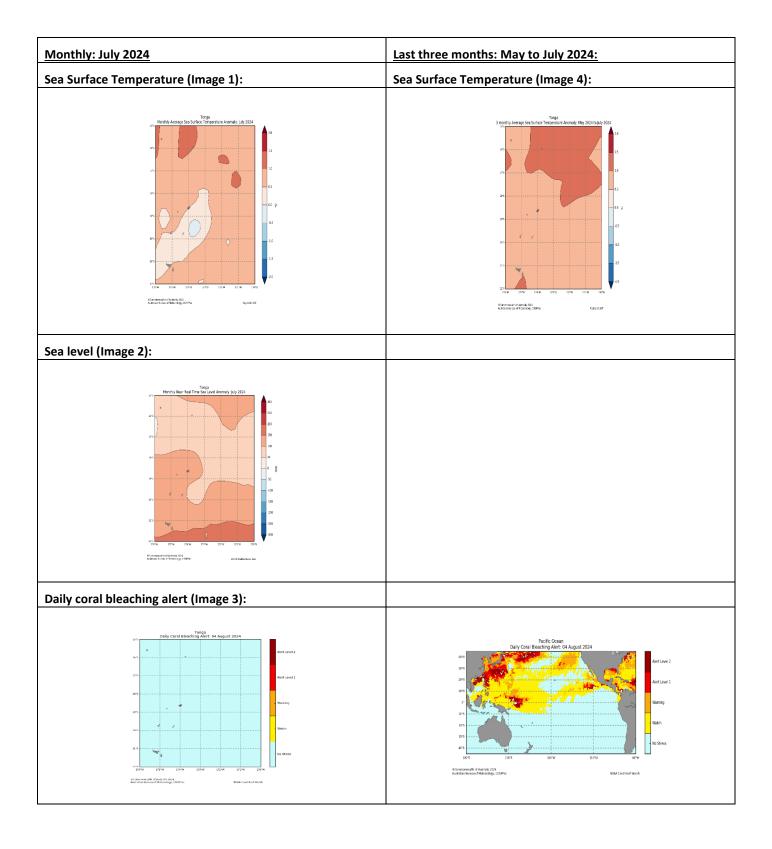
Station	Three-month Total		33%tile	67%tile	Median	Rank		
Northern Division								
Niuafo'ou (1971-2024)	177.0	Below normal	367.7	486.0	433.3	5/51		
Niuatoputapu (1947- 2024)	440.0	Above normal	320.0	421.0	360.6	50/74		
Central Division								
Vava'u (1947-2024)	355.1	Normal	304.0	411.7	370.5	37/78		
Ha'apai (1947-2024)	299.4	Normal	216.0	323.0	248.0	49/77		
Southern Division								
Fua'amotu (1979-2024)	493.6	Above normal	259.8	436.3	354.6	37/45		
Nuku'alofa (1944-2024)	401.5	Above normal	243.0	343.0	297.5	69/80		

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

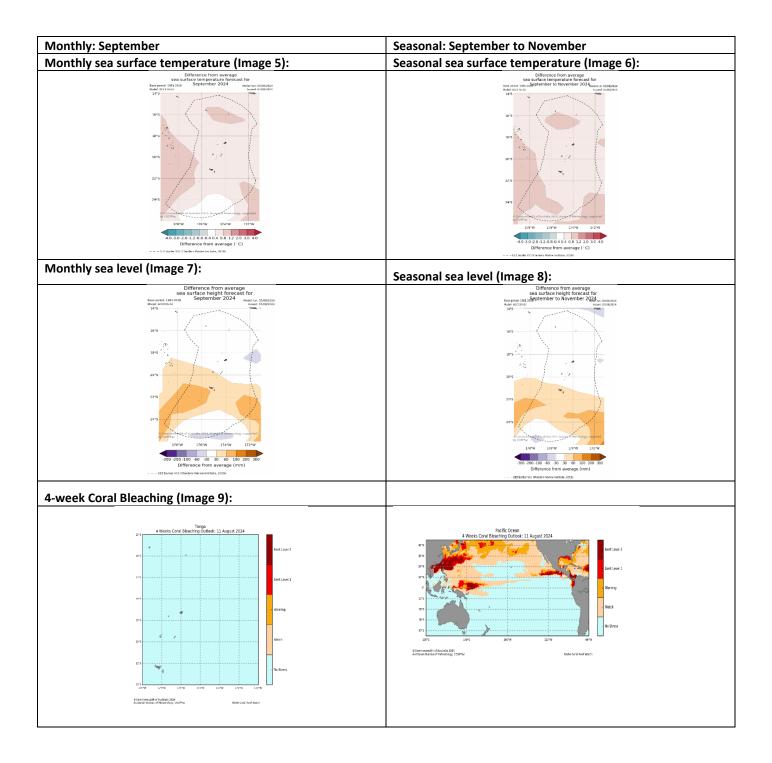


Part 2: Recent Ocean Observation

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



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



Summary Statement

Monthly and last three months: July 2024/May to July 2024 statement

The rainfall for July was normal at Niuatoputapu, Niuafo'ou, Vava'u and Nuku'alofa, below normal at Ha'apai and Fua'amotu.

May to July 2024 rainfall was above normal at Niuatoputapu, Fua'amotu and Nuku'alofa, near-normal at Vava'u and Ha'apai, and below normal rainfall at Niuafo'ou. Niuafo'ou had its fifth driest May to July rainfall on record.

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

Monthly /Seasonal rainfall and temperature Outlook statements

For most of Tonga, rainfall in September and over September to November is very likely to be above normal. The main exception is for parts central Tonga, including Vava'u, where September rainfall is likely to be below-normal.

Maximum and minimum temperatures during September and averaged over September to November, are very likely to be above normal across the country.

Part 2: Recent Ocean summary statement

Monthly and last three months: July 2024/May to July 2024

July ocean temperatures around Tonga were 0.0 to 1.5°C above normal temperatures.

Averaged over May to July, ocean temperatures around Tonga were 0.5 to 1.5°C above normal.

Coral Bleaching is at "No Stress".

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

Ocean Variable statement

September and averaged over September to November, ocean temperatures around Tonga are predicted to be 0.4 to 1.2°C above normal.

September and averaged over September to November, sea levels are predicted to be 30mm to 60mm above normal over Southern Tonga and near- normal over the rest of the region.

IN BRIEF for Teleconference

- Rainfall was generally below normal to normal for July and mostly above normal for May to July.
- For most of Tonga, rainfall is likely or very likely to be above normal in September and over September to November, except for the central region where there is little guidance in the outlook.
- SSTs were above normal for July and May to July. The outlook shows above normal SSTs for the next one and three months. •
- Sea-surface heights (SSHs) were near-normal to above normal for Septemberr and September to November.
- Coral bleaching "NO Stress"

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

Product	Date: July 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Disability	Age group	Comments (If there are comments from you Stakeholders)
Climate Bulletin	3 July	Government ministries, NGOs, Media, Private Sector	155	188	37			
EAR Watch								
Monthly Climate Briefing								
Ocean Outlook	3 July	Government ministries, NGOs, Media, Private Sector	155	188	37			
Climate data request								
Total		310	236	74				