



CLIMATE SUMMARY

Tuvalu Meteorological Services, Minister of Public Work, Infrastructures, Development and Water
October 2024



WEATHER PATTERNS

In recent months, October brought a slight shift southward in the South Pacific Convergence Zone (SPCZ), a key influencer of our weather patterns. As the SPCZ moved away from Tuvalu, it left behind transient troughs that passed through the area, bringing precipitation bands. As a result, Funafuti received the highest monthly rainfall of 285.2 mm.

TABLE 1: MONTHLY RAINFALL FROM AUGUST TO OCTOBER 2024

Station (include data period)	Aug-2024	Sep-2024	Oct-2024				Rank
	Total	Total	Total (mm)	33%tile	67%tile	Median	
			Rainfall (mm)				
Nanumea (1941-2024)	191.5	329.4	103.8	89.6	197.7	140.7	32/82
Nui (1946-2024)	291.9	309.8	87.0	144.3	217.3	182.0	8/79
Funafuti (1933-2024)	502.6	356.0	285.2	203.3	292.9	260.4	56/92
Niulakita (1953-2024)	307.2	390.5	215.6	211.2	312.4	260.0	27/71



TABLE 2: TOTAL RAINFALL FROM AUGUST TO OCTOBER, 2024

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2024)	624.7	Above normal	341.0	614.4	505.0	59/82
Nui (1946-2024)	688.3	Above normal	497.8	672.8	564.7	53/79
Funafuti (1933-2024)	1143.8	Above normal	609.3	798.9	680.4	83/92
Niulakita (1953-2024)	913.3	Above normal	580.5	829.2	704.3	54/72

MONTHLY RAINFALL / LAST THREE MONTHS OCTOBER & AUGUST TO OCTOBER 2024 STATEMENT

The rainfall for October was near normal over Nanumea, Funafuti, and Niulakita, while Nui recorded below normal rainfall. For the past three months, rainfall was above normal over Tuvalu. Funafuti recorded its tenth wettest August to October periods in 92 years of record.

Contact Tuvalu Meteorological Service for further information:

Chief Meteorological Officer, Ministry of Public Works, Infrastructure, Environment, Labour, Meteorology and Disaster, Vaiaku, Funafuti, Tuvalu. Email: tauala.k@gmail.com, tuvalumet@gmail.com, tuvalumet@gov.tv

website: tuvmet.tv, Facebook:<Tuvalu Meteorological Service>