



CLIMATE SUMMARY

Tuvalu Meteorological Services, Minister of Public
Work, Infrastructures, Development and Water
September 2025



WEATHER PATTERNS

The month of September continued to be affected by the South Pacific Convergence Zone and trade winds. The South Pacific Convergence Zone extended from the Solomon Islands to Samoa, crossing over Tuvalu. As a result, convective clouds and rain bands developed across the group, leading to observed rainfall at all meteorological stations. Notably, the rain bands were denser in the northern groups than in the central and southern groups. Throughout the month, several strong wind warnings were issued for the southern waters of Tuvalu. This was attributed to a high-pressure system located further southeast of Fiji, which created a strong southeasterly wind flow.

TABLE 1: MONTHLY RAINFALL FROM JULY TO SEPTEMBER 2025

Station (include data period)	Jul-2025	Aug-2025	Sept-2025				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2025)	266.1	113.9	310.4	92.1	170.5	121.9	72/84
Nui (1946-2025)	241.0	139.4	198.3	129.2	198.9	175.8	52/79
Funafuti (1933-2025)	248.2	306.2	211.7	164.4	250.0	215.2	47/93
Niulakita (1953-2025)	200.0	315.9	234.8	178.3	237.1	197.3	48/73



Below Normal



Normal



Above Normal

TABLE 2: TOTAL RAINFALL FROM JULY TO SEPTEMBER 2025

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2025)	690.4	Above normal	399.6	626.9	479.4	62/84
Nui (1946-2025)	578.7	Normal	524.1	695.0	606.0	36/79
Funafuti (1933-2025)	766.1	Normal	608.0	782.4	694.4	58/93
Niulakita (1953-2025)	750.7	Above normal	533.1	734.7	619.8	51/73

MONTHLY RAINFALL / LAST THREE MONTHS SEPTEMBER & JULY TO SEPTEMBER

The rainfall for September was above normal over Nanumea, while normal rainfall was recorded in Nui, Funafuti and Niulakita.

For the past three months, rainfall was above normal over Nanumea and Niulakita, while Nui and Funafuti where rainfall was normal.

Contact Tuvalu Meteorological Service for further information:

Ministry of Public Work, Infrastructure, Development and Water, Vaiaku, Funafuti, Tuvalu. Email: tauala.k@gmail.com, tuvalumet@gmail.com, tuvalumet@gov.tv

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