



CLIMATE SUMMARY

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



WEATHER PATTERNS

During September, the South Pacific Convergence Zone (SPCZ) exhibited a slight decrease in width and intensity but persisted over the Solomon Islands to Tuvalu, with transient troughs traversing the area. The region encompassed by this atmospheric phenomenon experienced precipitation bands. A strong wind warning was issued from September 1 to September 6, 2024, due to a trough of low pressure with intensified southeast trade winds over the southern part of Tuvalu, resulting in elevated south-easterly wind speeds. Consequently, Niulakita recorded the highest monthly rainfall at 309.5 mm.

TABLE 1: MONTHLY RAINFALL FROM JULY TO SEPTEMBER 2024

Station (include data period)	Jul-2024	Aug-2024	Sep-2024				Rank
			Total	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2024)	307.5	191.5	329.4	99.0	175.1	137.8	74/83
Nui (1946-2024)	206.0	291.9	309.8	129.7	198.5	175.8	71/79
Funafuti (1933-2024)	285.8	502.6	356.0	164.1	248.2	203.7	84/92
Niulakita (1953-2024)	279.6	307.2	390.5	178.0	232.4	193.8	68/71



TABLE 2: TOTAL RAINFALL FROM JULY TO SEPTEMBER,

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Total	Status				
Nanumea (1941-2024)	828.4	Above normal	405.0	623.0	513.9	69/83
Nui (1946-2024)	807.7	Above normal	516.2	688.5	606.0	62/79
Funafuti (1933-2024)	1144.4	Above normal	594.8	813.1	710.3	88/92
Niulakita (1953-2024)	977.3	Above normal	532.2	729.0	612.3	66/72

MONTHLY RAINFALL / LAST THREE MONTHS SEPTEMBER & JULY TO SEPTEMBER 2024 STATEMENT

The rainfall for September 2024 was above normal for all stations (Shows on Table 1).

For the past three months, rainfall was above normal at all stations of Tuvalu (Indicated Table 2).

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>