



CLIMATE SUMMARY

January 2025



WEATHER PATTERNS

During January, the primary driver of the climate, the South Pacific Convergence Zone (SPCZ), continued to drift southward from Tuvalu. Located between Tuvalu and Fiji, the SPCZ predominantly affected the southern group of Tuvalu, as it was associated with troughs that lingered towards the central group during mid-January. A strong wind warning was in effect over the southern waters from mid-January until the 29th, resulting in Funafuti experiencing the highest rainfall of the month at 538.3 mm. Furthermore, the Sub-Tropical Ridge (STR) impacted the central and northern groups throughout the month. The subtropical ridge was associated with dry northeasterly trade winds, contributing to the dry or less rainfall in the northern group, especially the central group. Consequently, Nui recorded the least total rainfall throughout the month, with an amount of 225.2 mm.

TABLE 1: MONTHLY RAINFALL FROM NOVEMBER 2024 TO JANUARY 2025

Station (include data period)	Nov-2024	Dec-2024	Jan-2025				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2025)	49.6	121.8	279.4	245.9	384.0	331.0	33/84
Nui (1946-2025)	210.8	206.4	225.2	240.1	440.2	319.5	23/80
Funafuti (1933-2025)	216.7	515.6	538.3	289.9	445.2	383.8	75/93
Niulakita (1953-2025)	389.2	244.7	319.9	290.5	440.8	366.3	28/72



TABLE 2: TOTAL RAINFALL FROM NOVEMBER, 2024 TO JANUARY 2025

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Total (mm)	Normal (mm)				
Nanumea (1941-2025)	450.8	Below normal	584.9	996.0	862.6	15/83
Nui (1946-2025)	642.4	Below normal	810.1	1092.0	941.7	14/76
Funafuti (1933-2025)	1270.6	Above normal	914.2	1127.3	1018.6	73/92
Niulakita (1953-2025)	953.8	Normal	822.2	1131.8	1024.4	29/69

MONTHLY RAINFALL / LAST THREE MONTHS JANUARY AND NOVEMBER 2024 TO JANUARY 2025 2024

The rainfall for January was below normal at Nui, above normal at Funafuti, and normal over Nanumea and Niulakita.

For the past three months, rainfall was below normal over Nanumea and Nui, while above normal at Funafuti and near normal in Niulakita.

Contact Tuvalu Meteorological Service for further information:

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