CLIMATE SUMMARY

ISSUED: OCTOBER 2026

WEATHER PATTERNS

During September 2026, the South Pacific Convergence Zone (SPCZ) remained one of the dominant weather systems affecting Tuvalu, contributing significantly to enhanced rainfall activity across the country. The SPCZ also influenced the strengthening of the southeast trade winds, which led to the issuance of Strong Wind Warnings during the last week of the month. In addition, El Niño conditions contributed to increased rainfall over the southeastern Pacific region. Although September typically falls within Tuvalu's dry season, the prevailing El Niño conditions resulted in higher-than-normal rainfall across several islands. Prior to the month, Niulakita was forecast to receive below-average rainfall. However observations at the end of September showed a markedly different outcome, highlighting the strong influence of the SPCZ and El Niño conditions during the month.

TABLE 1: MONTHLY RAINFALL FROM JULY TO SEPTEMBER 2026

Station (include data period)	Jul-2026	Aug-2026	Sep-2026				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2026)	301.9	240.6	304.3	93.0	173.8	122.4	71/85
Nui (1946-2026)	324.2	344.5	154.8	129.6	198.7	178.9	35/80
Funafuti (1933-2026)	338.8	611.9	271.0	164.5	248.4	213.4	73/94
Niulakita (1953-2026)	109.7	356.7	522.9	178.4	235.0	199.0	**74/74**







TABLE 2: TOTAL RAINFALL FROM JULY TO SEPTEMBER 2026

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2026)	846.8	Above normal	401.2	629.3	480.0	72/85
Nui (1946-2026)	823.5	Above normal	528.3	691.9	601.9	66/80
Funafuti (1933-2026)	1221.7	Above normal	608.0	780.7	702.3	**92/94**
Niulakita (1953-2026)	989.3	Above normal	533.6	744.2	622.1	**70/74**

MONTHLY RAINFALL / LAST THREE MONTHS: SEPTEMBER 2026 / JULY TO SEPTEMBER 2026

The rainfall for September was above normal over Nanumea, Funafuti and Niulakita, while near normal rainfall in Nui. Niulakita recorded its fist topmost record in 74 years of record respectively.

For the past three months, rainfall was above normal over Tuvalu. Funafuti and Niulakita recorded its third and fifth in 94 and 74 years of record respectively.

Contact Tuvalu Meteorological Service for further information:

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