



CLIMATE SUMMARY

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



WEATHER PATTERNS

In August, the South Pacific Convergence Zone (SPCZ) has a significant impact on weather patterns, particularly in the southern group of Tuvalu. This zone is associated with rain bands and strong southeast winds, resulting in high levels of accumulated precipitation in this area. During the second- to-last week of August, authorities frequently issued strong wind warnings for both land and open waters due to intensified southeast wind flow.

As a result, Niulakita experienced the highest total rainfall of the month, recording 315.9 mm, while Funafuti followed closely with a total of 306.2 mm. The SPCZ primarily affects the southern group of Tuvalu, leading to these notable rainfall amounts and weather conditions.

TABLE 1: MONTHLY RAINFALL FROM JUNE TO AUGUST 2025

Station (include data period)	Jun-2025	Jul-2025	Aug-2025				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2025)	305.4	266.1	113.9	143.6	212.1	184.7	18/84
Nui (1946-2025)	284.7	241.0	139.4	138.4	263.6	190.8	27/79
Funafuti (1933-2025)	428.2	248.2	306.2	185.1	294.1	220.5	66/93
Niulakita (1953-2025)	337.8	200.0	315.9	147.2	261.8	221.0	59/73



Below Normal



Normal



Above Normal

TABLE 2: TOTAL RAINFALL FROM JUNE TO AUGUST 2025

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2025)	685.4	Normal	418.5	709.9	534.7	54/84
Nui (1946-2025)	665.1	Normal	484.4	728.7	646.2	43/79
Funafuti (1933-2025)	982.6	Above normal	581.2	804.4	709.4	80/93
Niulakita (1953-2025)	853.7	Above normal	537.9	765.6	623.8	55/73

MONTHLY RAINFALL / LAST THREE MONTHS AUGUST & JUNE TO AUGUST 2025

The rainfall for August was below normal over Nanumea. Near normal rainfall at Nui while Funafuti and Niulakita recorded above normal rainfall.

For the past three months, rainfall was near normal over Nanumea and Nui and above normal rainfall at Funafuti and Niulakita stations

Contact Tuvalu Meteorological Service for further information:

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