



# CLIMATE SUMMARY

## February 2025



### WEATHER PATTERNS

In February, the South Pacific Convergence Zone (SPCZ) continued its southward movement beyond Tuvalu, situated way closer to Fiji. The SPCZ predominantly affected southern islands of Tuvalu especially Niulakita. As it was linked to troughs that persisted towards Nukulaelae and Funafuti during mid-February. A strong north-westerly wind warning was issued for the southern waters from 18th until the 26th. Therefore, Niulakita recorded the highest rainfall of the month at 692.7mm.

Furthermore, the sub-tropical ridge (STR) exerted its influence over the northern and central group throughout the month. The STR is associated with dry north easterly trade winds, which contributed to reduced rainfall in the northern and central group. Nanumea experienced only 8 rainy days throughout the month. Nanumea recorded the least rainfall for February at 88.6mm.

**TABLE 1: MONTHLY RAINFALL FROM DECEMBER 2024 TO FEBRUARY 2025**

Station (include data period)	Dec-2024	Jan-2025	Feb-2025				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2025)	121.8	279.4	88.6	165.4	344.5	264.2	11/84
Nui (1946-2025)	206.4	225.2	129.4	220.5	349.6	283.6	8/80
Funafuti (1933-2025)	515.6	538.3	313.4	262.2	427.3	334.7	39/93
Niulakita (1953-2025)	244.7	319.9	692.7	257.6	380.5	321.6	71/73



**TABLE 2: TOTAL RAINFALL FROM DECEMBER, 2024 TO FEBRUARY 2025**

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2025)	489.8	Below normal	704.9	1132.1	978.1	18/83
Nui (1946-2025)	561.0	Below normal	821.4	1196.9	1065.5	8/76
Funafuti (1933-2025)	1367.3	Above normal	993.4	1259.5	1114.6	75/92
Niulakita (1953-2025)	1257.3	Above normal	893.5	1166.9	1012.0	54/70

### MONTHLY RAINFALL / LAST THREE MONTHS FEBRUARY AND DECEMBER 2024 TO

The rainfall for February was below normal over Nanumea and Nui, near normal at Funafuti while Niulakita where rainfall was above normal.

. For the past three months, rainfall was below normal over Nanumea and Nui, while above normal at Funafuti and Niulakita. Nui recorded its eight driest December to February in 70 years of record.

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](mailto:tauala.k@gmail.com), [tuvalumet@gmail.com](mailto:tuvalumet@gmail.com), [tuvalumet@gov.tv](mailto:tuvalumet@gov.tv)

website: [tuvmet.tv](http://tuvmet.tv), Facebook:<Tuvalu Meteorological Service>