



CLIMATE SUMMARY

TUVALU METEOROLOGICAL SERVICES
MINISTRY OF PUBLIC WORKS, INFRASTRUCTURE, ENVIRONMENT, LABOUR, METEOROLOGICAL AND DISASTER .
NOVEMBER 2023



WEATHER PATTERNS

The South Pacific Convergence Zone (SPCZ) continued to affect the group during November 2023. On the 13th of November, a strong wind warning was issued over the open waters of Tuvalu. Due to a trough of low pressure associated with an active Convergence Zone (SPCZ) located from Solomon Island to Tokelau, thus strong westerly winds and active rain bands developed over the group. Therefore, all stations observed heavy rainfall throughout, most likely for the southern atolls. As a result, Niulakita recorded the highest total rainfall of the month and also recorded a daily rainfall of 129.6mm. The SPCZ is expected to remain in its position from Solomon Island to Samoa for the upcoming month.

TABLE 1: MONTHLY RAINFALL FROM SEPTEMBER TO NOVEMBER 2023

Station (include data period)	Sep-2023	Oct-2023	Nov-2023				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2023)	121.4	394.0	210.1	87.0	206.0	144.0	60/83
Nui (1946-2023)	148.7	296.4	257.5	182.0	269.2	227.0	47/78
Funafuti (1933-2023)	258.0	382.0	279.2	201.0	312.0	244.3	53/91
Niulakita (1953-2023)	339.8	337.6	449.2	215.0	315.9	281.8	61/69

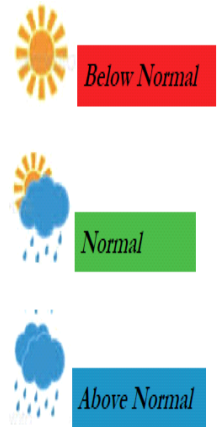


TABLE 2: TOTAL RAINFALL FROM SEPTEMBER TO NOVEMBER, 2023

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2023)	725.5	Above normal	286.7	618.5	467.1	61/81
Nui (1946-2023)	702.6	Above normal	492.0	684.5	594.0	51/78
Funafuti (1933-2023)	919.2	Above normal	632.2	843.2	737.7	72/91
Niulakita (1953-2023)	1126.6	Above normal	608.2	842.7	715.9	62/69

MONTHLY RAINFALL AGUST/ LAST THREE MONTHS NOVEMBER TO NOVEMBER, 2023 STATEMENT

The rainfall for November was above normal over Nanumea and Niulakita, while normal was recorded at Nui and Funafuti.

For the past three months, rainfall was above normal over Tuvalu.

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>