



CLIMATE SUMMARY

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



WEATHER PATTERNS

During the month of July, the weather patterns in Tuvalu were significantly influenced by the South Pacific Convergence Zone (SPCZ), which extended from the Coral Sea to Tokelau with a lingering trough over the region. This atmospheric phenomenon led to the development of intense convection and rain bands, resulting in more favorable rainfall conditions for the Tuvalu islands. A strong wind warning was issued on 22nd until the end of the month due to an active convergence zone in the area, bringing higher winds and heavy rainfall. As result, all observations recorded heavy rains, with Nanumea recording the highest rainfall of the month at 307.5mm.

TABLE 1: MONTHLY RAINFALL FROM MAY TO JULY 2024

Station (include data period)	May-2024	Jun-2024	Jul-2024				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2024)	351.2	257.7	307.5	123.5	219.8	156.1	70/83
Nui (1946-2024)	356.9	429.1	206.0	160.5	234.1	198.8	44/79
Funafuti (1933-2024)	223.2	447.7	285.8	191.3	269.2	221.1	62/92
Niulakita (1953-2024)	367.3	420.1	279.6	159.6	253.3	193.0	54/72

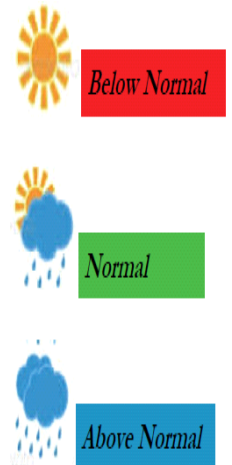


TABLE 2: TOTAL RAINFALL FROM MAY TO JULY, 2024

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2024)	916.4	Above normal	444.0	713.5	556.9	74/83
Nui (1946-2024)	992.0	Above normal	500.0	696.0	578.6	72/79
Funafuti (1933-2024)	956.7	Above normal	615.2	749.0	694.6	80/92
Niulakita (1953-2024)	1067.0	Above normal	540.7	763.5	617.2	68/72

MONTHLY RAINFALL / LAST THREE MONTHS MAY TO JULY 2024 STATEMENT

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

For the past three months, rainfall was above normal at all stations of Tuvalu. Niulakita recorded its fifth wettest May to July on record.

Contact Tuvalu Meteorological Service for further information:

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