



# CLIMATE SUMMARY

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



## WEATHER PATTERNS

During the month of June, 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 in the final week of June due to an active convergence zone in the area, bringing higher winds and heavy rainfall. As a result, all observation stations recorded heavy rain, with Funafuti recording the highest rainfall of the month at 447.7mm.

TABLE 1: MONTHLY RAINFALL FROM APRIL TO JUNE 2024

Station (include data period)	Apr-2024	May-2024	Jun-2024				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2024)	265.2	351.2	257.7	123.0	206.2	163.0	67/84
Nui (1946-2024)	224.4	356.9	429.1	143.1	217.2	170.2	77/79
Funafuti (1933-2024)	226.1	223.2	447.7	161.8	243.1	192.9	90/92
Niulakita (1953-2024)	234.6	367.3	420.1	143.5	266.1	197.0	67/72



Below Normal



Normal



Above Normal

TABLE 2: TOTAL RAINFALL FROM APRIL TO JUNE, 2024

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2024)	874.1	Above normal	514.0	765.9	606.0	65/83
Nui (1946-2024)	1010.4	Above normal	503.2	726.0	578.4	71/79
Funafuti (1933-2024)	897.0	Above normal	620.5	800.3	702.1	78/92
Niulakita (1953-2024)	1022.0	Above normal	573.2	752.5	652.5	65/73

## MONTHLY RAINFALL / LAST THREE MONTHS APRIL TO JUNE 2024 STATEMENT

The rainfall for June was above normal at all stations of Tuvalu. Nui and Funafuti recorded their third wettest June in 79 and 92 years of record respectively, while Niulakita had its sixth wettest in 72 years of record.

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

Contact Tuvalu Meteorological Service for further information:

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