



CLIMATE SUMMARY



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

June 2023

WEATHER PATTERNS

The South Pacific Convergence Zone and trade winds continued to affect the group during the month of June. In the first two weeks of the month, moderate to fresh south-easterly winds were observed throughout with less precipitation collected by all stations. The SPCZ stretched from the Coral Sea to Samoa weakened in the remaining weeks of the month. As a result, weak clouds and rain bands developed over the group. SPCZ is expected to retreat to the northern end of the Coral Sea.

TABLE 1: MONTHLY RAINFALL FROM APRIL TO JUNE 2023

Station (include data period)	Apr-2023	May-2023	Jun-2023				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2023)	139.4	95.4	104.2	125.9	206.9	167.9	20/80
Nui (1946-2023)	285.4	213.5	109.5	147.0	218.4	170.6	12/77
Funafuti (1933-2023)	270.5	166.7	74.1	162.3	244.2	193.8	2/90
Niulakita (1953-2023)	128.3	121.9	60.5	144.4	218.4	197.0	5/69

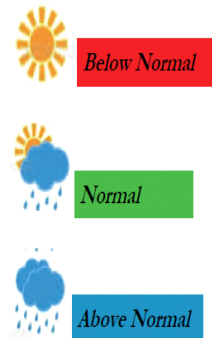


TABLE 2: TOTAL RAINFALL FROM APRIL TO JUNE 2023

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2023)	339.0	Below normal	520.9	767.0	615.0	11/83
Nui (1946-2023)	608.4	Normal	497.9	727.0	576.6	44/78
Funafuti (1933-2023)	511.3	Below normal	628.2	803.9	705.7	14/91
Niulakita (1953-2023)	310.7	Below normal	573.6	574.5	656.8	3/71

MONTHLY RAINFALL- JUNE/ LAST THREE MONTH- APRIL TO JUNE 2023 STATEMENT

Nanumea, Nui, Funafuti and Niulakita recorded below normal rainfall for the month of June. Funafuti observed as a second driest June in 90 years of record. Also, Niulakita recorded its fifth driest June in 71 years of record.

During the last three months, Nanumea, Funafuti and Niulakita recorded below normal rainfall, while Nui recorded Normal rainfall.. Niulakita recorded its third driest April to June in 71 years of record.

Contact Tuvalu Meteorological Service for further information:

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