



CLIMATE SUMMARY



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

July 2023

WEATHER PATTERNS

The first week of August was quiet, no major weather system affected the groups, despite easterly trade wind prevailing over Tuvalu, where less rainfall was observed at all stations. South Pacific Convergence Zone (SPCZ) was extended from Solomon Is to Vanuatu across to Samoa in the remaining weeks, bringing deep convection and rain bands over the group as a result of more precipitation observed at Niulakita station. The SPCZ is expected to be enhanced over Solomon Is extend to Samoa in the coming month.

TABLE 1: MONTHLY RAINFALL FROM JUNE TO AUGUST 2023

Station (include data period)	Jun-2023	Jul-2023	Aug-2023				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2023)	104.2	123.5	136.0	147.4	213.2	184.7	21/82
Nui (1946-2023)	109.5	156.1	117.8	141.2	263.1	192.6	17/78
Funafuti (1933-2023)	74.1	289.0	106.0	189.9	296.9	221.9	9/91
Niulakita (1953-2023)	60.5	99.4	375.3	147.0	259.3	218.0	63/71

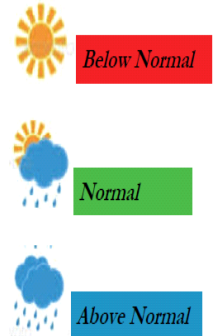


TABLE 2: TOTAL RAINFALL FROM JUNE TO AUGUST 2023

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Total	Status				
Rainfall (mm)						
Nanumea (1941-2023)	363.7	Below normal	426.9	704.3	534.7	18/82
Nui (1946-2023)	383.4	Below normal	486.2	728.0	646.5	15/78
Funafuti (1933-2023)	469.1	Below normal	586.1	807.1	711.0	15/91
Niulakita (1953-2023)	533.6	Below normal	538.4	757.8	623.8	23/71

MONTHLY RAINFALL- JULY/ LAST THREE MONTH- JUN TO AUGUST 2023 STATE-

The rainfall for August and June to August was mainly below normal over, Tuvalu. The only exception was at Niulakita where August rainfall above normal.

Contact Tuvalu Meteorological Service for further information:

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