



CLIMATE SUMMARY



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

July 2023

WEATHER PATTERNS

The month of July continued to be affected by trade winds and South Pacific Convergence Zone. On the 4th of July, a strong wind warning was issued over the Southern waters of Tuvalu. This was due to a high-pressure system that was located northeast of New Zealand, which generated a strong southeasterly wind flow. The South Pacific Convergence Zone stretched from Solomon to Samoa, thus a trough of low pressure prevailed over the group which also bring in convective cloud and precipitation. SPCZ is expected to have quiet across Coral Sea to Fiji.

TABLE 1: MONTHLY RAINFALL FROM MAY TO JULY 2023

Station (include data period)	May-2023	Jun-2023	Jul-2023				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2023)	95.4	104.2	123.5	119.0	214.9	155.4	63/91
Nui (1946-2023)	213.5	109.5	156.1	160.0	231.1	197.9	25/78
Funafuti (1933-2023)	166.7	74.1	289.0	191.3	263.6	219.7	63/91
Niulakita (1953-2023)	121.9	60.5	99.4	162.6	254.7	218.0	8/71

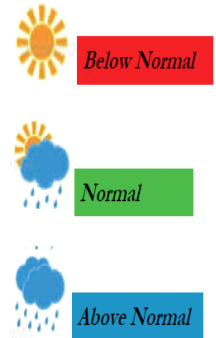


TABLE 2: TOTAL RAINFALL FROM MAY TO JULY 2023

Three-month Total		33%tile	67%tile	Median	Rank
Rainfall (mm)					
323.1	Below normal	444.0	711.0	559.9	18/82
479.1	Below normal	504.7	706.1	578.3	25/78
529.8	Below normal	621.2	749.0	696.1	21/91
281.8	Below normal	546.0	775.9	631.2	3/71

MONTHLY RAINFALL- JULY/ LAST THREE MONTH- MAY TO JULY 2023 STATEMENT

July: Below normal rainfall observed at Nui and Niulakita, normal rainfall at Nanumea while Funafuti observed above normal rainfall.

May to July: Below normal rainfall observed across the country. Niulakita recorded its third driest May to July in 71 years of record.

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Contact Tuvalu Meteorological Service for further information:

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