



# CLIMATE SUMMARY

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

May 2022



## WEATHER PATTERNS

The South Pacific Convergence Zone (SPCZ) stretched from PNG to Vanuatu and Fiji in the first week associated with a shower band that affected Funafuti mainly on the 5th and 6th of the month. In the second week, SPCZ stretched from the Coral Sea, Vanuatu to Samoa, which was associated with a trough of low pressure over the Southern group whereby rainfall was observed and reported by Funafuti and Niulakita stations on the 16th.

The trough slowly moved westwards, where Nui was able to observe and report rainfall on the 18th. In the 3rd week, the SPCZ moved over the group becoming more active over

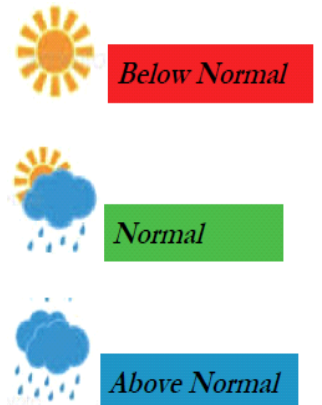
Funafuti on the 23rd, where it observed and reported the highest amount of rainfall throughout the month. SPCZ is expected to continue to stretch from the Coral Sea to Northern Vanuatu and is expected to become weak in the first week of June.

**TABLE 1: MONTHLY RAINFALL FROM MARCH TO MAY 2022**

Station	MARCH			APRIL			MAY		
	No. of rain days	Total Rainfall (mm)	Monthly Normal—SCOPIIC(mm)	No. of rain days	Total Rainfall (mm)	Monthly Normal—SCOPIIC (mm)	No. of rain days	Total Rainfall (mm)	Monthly Normal—SCOPIIC (mm)
Nanumea	10	13.5	175.8—315.9	22	84.5	194.7—271.4	15	33.5	141.2—250.2
Nui	17	218.8	215.1—339.7	19	125.7	152.9—269.1	13	210.2	148.6—218.1
Funafuti	28	388.3	254.1—361.2	17	65.5	190.3—317.0	21	312.2	197.8—262.9
Niulakita	27	368.4	253.3—391.8	25	166.9	260.2—218.4	24	146.9	175.1—249.0

**TABLE 2: RAINFALL FROM FEBRUARY TO APRIL 2022**

Stations	Actual Rainfall (mm) for February 2022 to April 2022	Normal Rainfall SCOPIIC (mm) February 2022—April 2022	Rainfall in the last three months (Below Normal, Normal or Above Normal)
Nanumea	191.9	542.1 –881.9	Below Normal
Nui	496.2	566.2—855.4	Below Normal
Funafuti	674.6	677.9—925.7	Below Normal
Niulakita	720.9	677.5—918.0	Below Normal



For more information, contact; Chief Meteorological Officer, Tuvalu Meteorological Services, Ministry of Public Works, Infrastructure, Environment, Labour, Meteorology and Disaster (MPWIELMD), Vaiaku, Funafuti, Tuvalu.

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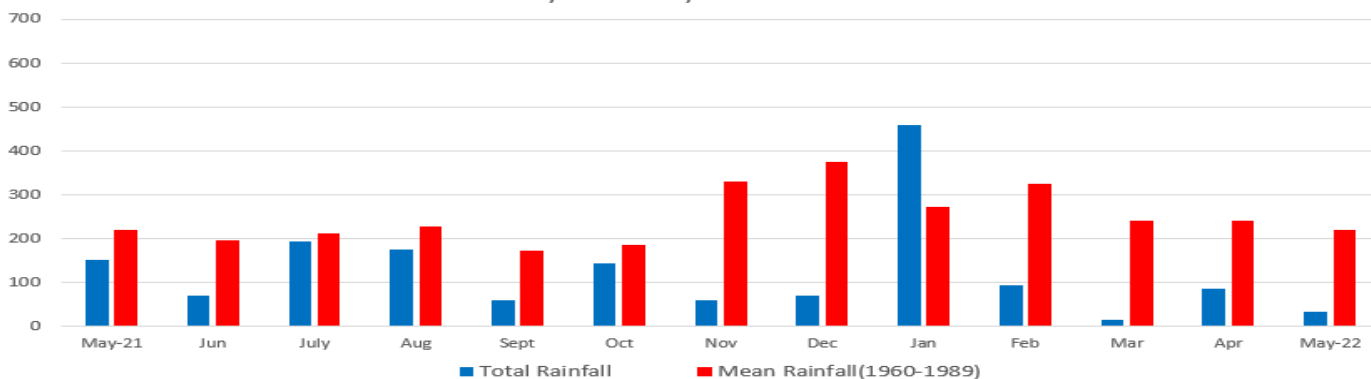
## RAINFALL IN THE LAST THREE MONTHS

For the last three month March to May 2022, **Below Normal** rainfall observed at all meteorological stations in Table 2.

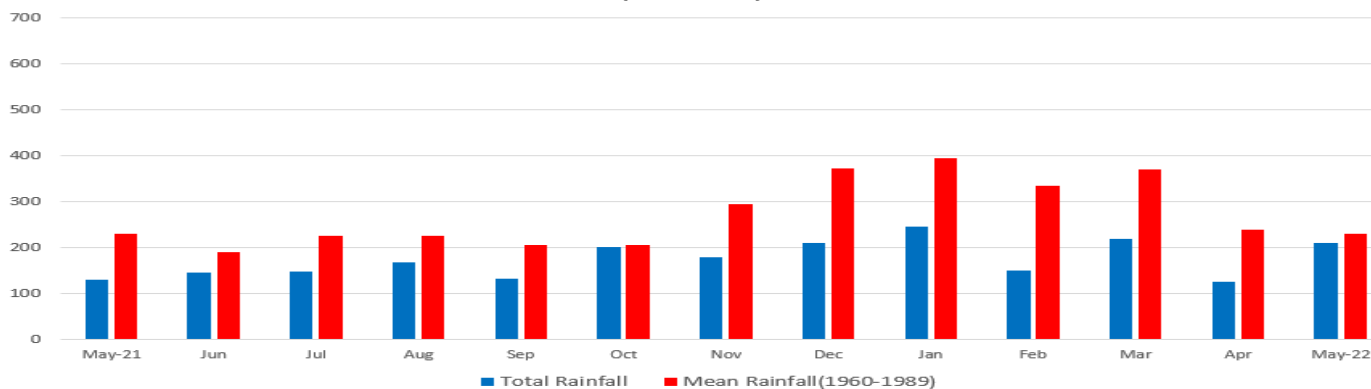
Reports obtained from all stations in (Table 1 for details) during May 2022, **Below normal** rainfall was observed at all meteorological stations.

Specifically for May 2022, highest single day recording was 75.0mm at Funafuti, followed by Nui with a 53.3mm, then Niulakita 30.0mm, and Nanumea recorded the least amount of 9.5mm.

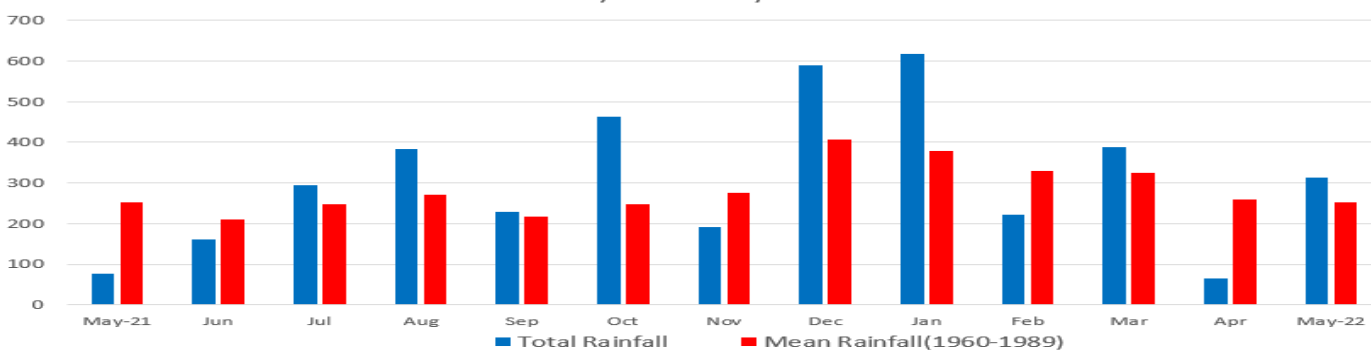
Nanumea Rainfall  
May 2021 - May 2022



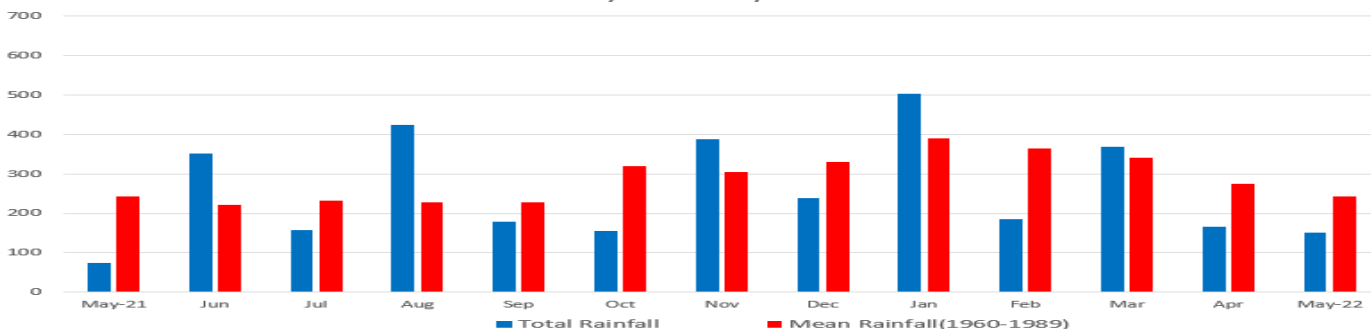
Nui Rainfall  
May 2021 - May 2022



Funafuti Rainfall  
May 2021 - May 2022



Niulakita Rainfall  
May 2021 - May 2022



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