



CLIMATE SUMMARY



TUVALU METEOROLOGICAL SERVICES
 MINISTRY OF PUBLIC WORKS, INFRASTRUCTURE, ENVIRONMENT,
 LABOUR, METEOROLOGICAL AND DISASTER .
 MAY 2021

WEATHER PATTERNS

Transitioning from Wet to Dry Season affected the group in terms of rainfall. Northern and Central atolls observed more rainfall Southern atolls due to deep convection that developed east of Central group and moved west towards Northern atolls. The South Pacific Convergence Zone (SPCZ) weakened and drifted between Niulakita and Fiji. It is expected to be rather thin and weak, stretching from Solomon Islands across Coral Sea to Samoa in the upcoming month

TABLE 1: MONTHLY RAINFALL FROM MARCH 2021 TO MAY 2021

Station	MARCH				APRIL				MAY			
	No. of rain days	% of total rain	Total Rainfall (mm)	Monthly Normal—SCOPIC (mm)	No. of rain days	% of total rain	Total Rainfall (mm)	Monthly Normal—SCOPIC (mm)	No. of rain days	% of total rain	Total Rainfall (mm)	Monthly Normal—SCOPIC (mm)
Nanumea	16	26	108.6	184.2—309.9	29	39	255.9	197.3—272.5	13	58	151.9	154.2-231.9
Nui	20	25	151.9	226.3—339.5	28	37	272.9	152.9—268.6	19	51	131.1	148.6-214.9
Funafuti	22	19	192.5	268.5—367.8	28	53	397.0	185.7—300.2	22	57	77.3	194.1-257.0
Niulakita	24	10	148.3	257.4—392.3	25	44	329.3	167.8—256.9	23	44	74.3	176.6-249.0

TABLE 2: RAINFALL FROM MARCH 2021 TO MAY 2021

Stations	Actual Rainfall (mm) for March 2021 — May 2021	Normal Rainfall SCOPIC (mm) March 2021 — May 2021	Rainfall in the last three months (Below Normal, Normal or Above Normal)
Nanumea	515.4	554.4—880.5	Below Normal
Nui	555.9	584.3—838.4	Below Normal
Funafuti	666.8	671.1—896.9	Below Normal
Niulakita	551.9	691.3—919.3	Below Normal



Below Normal



Normal



Above Normal

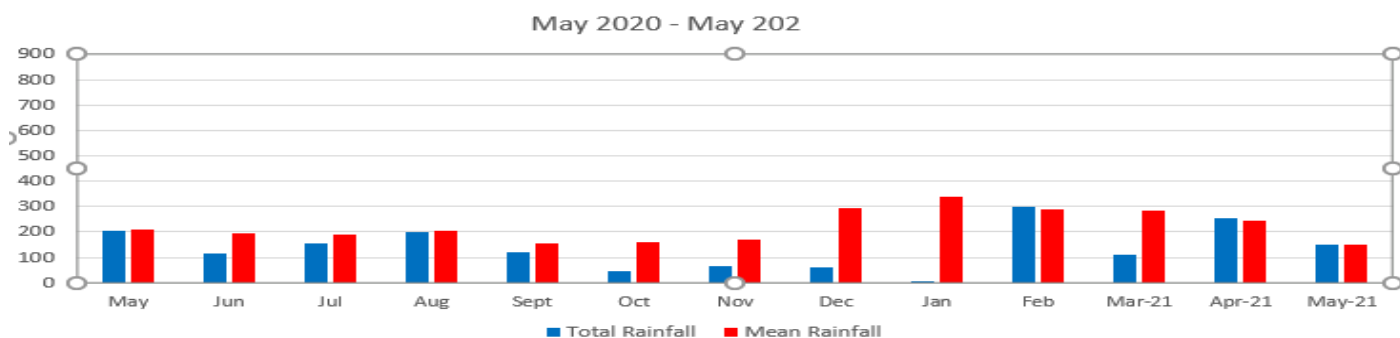
RAINFALL IN THE LAST THREE MONTHS

For the last three month March 2021 to May 2021, **below normal** rainfall observed at all stations which is Nanumea, Nui, Funafuti and Niulakita in (Table 2).

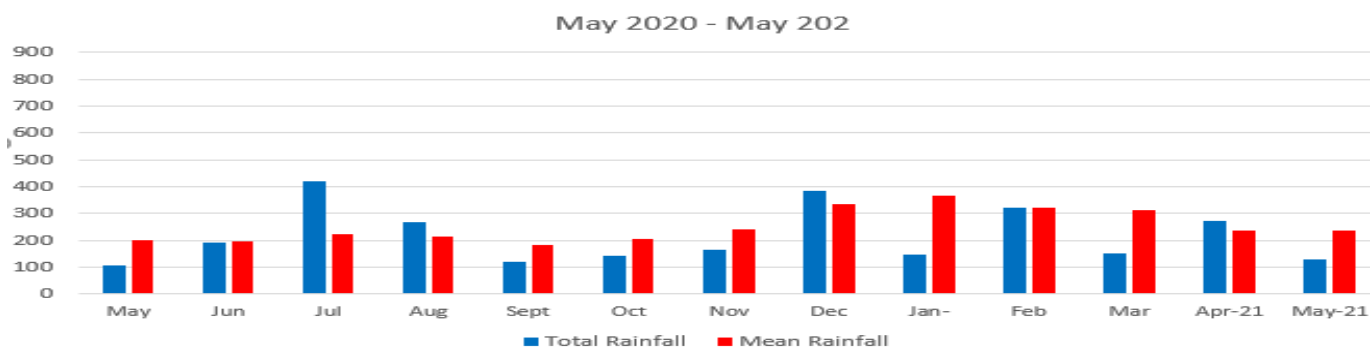
Reports obtained from all stations in (Table 1 for details) during May 2021, **below normal** rainfall was observed at all stations which is Nanumea, Nui, Funafuti and Niulakita.

Specifically for May 2021, highest single day recordings was **47.4mm** at Nanumea followed by Nui with **28.1mm** on the 28th of May, then Funafuti with **13.0mm** on the 26th and 28th of May, then Niulakita with **11.8mm** on the 1st of May.

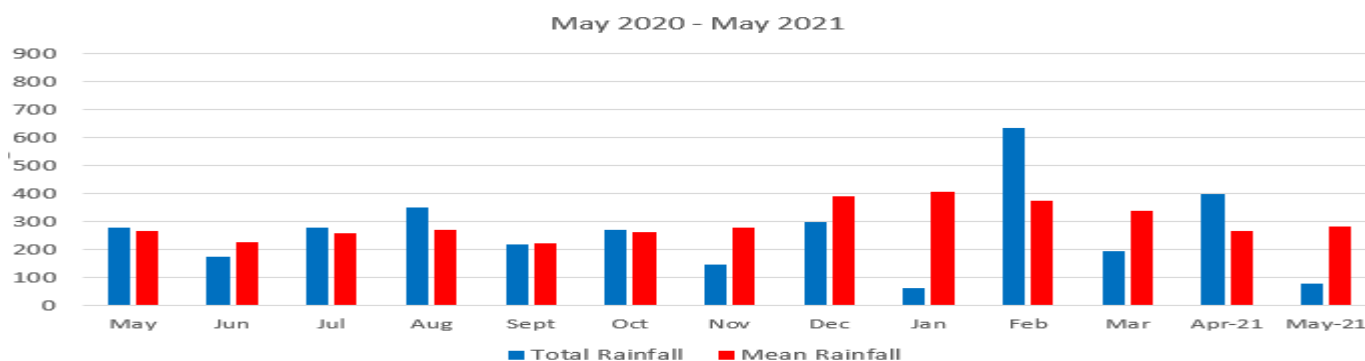
Nanumea Rainfall



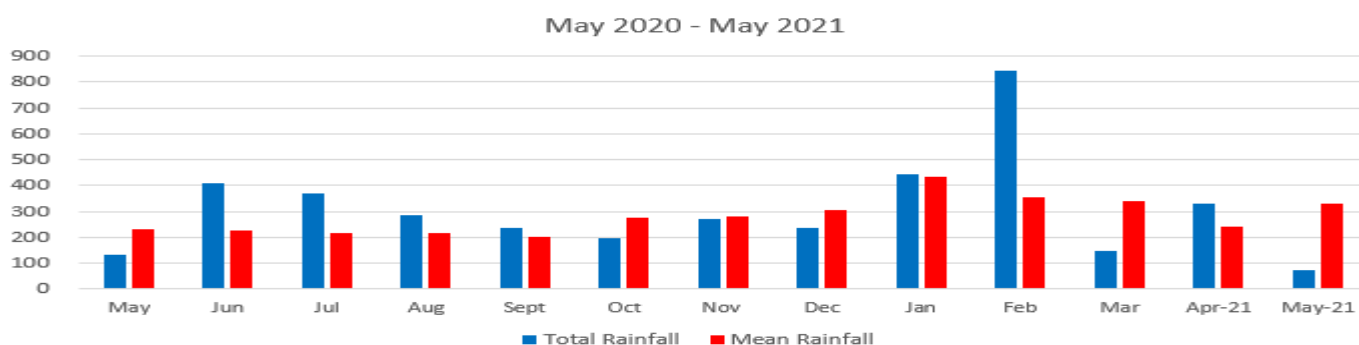
Nui Rainfall



Funafuti Rainfall



Niulakita Rainfall



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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