



CLIMATE SUMMARY



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




WEATHER PATTERNS

A strong wind warning was issued for Southern waters on the 15th of the month. This was due to a High Pressure located South east of Samoa which created strong easterlies over Southern atolls of Tuvalu. The South Pacific Convergence Zone (SPCZ) associated with strong winds and isolated showers over most atolls, and south easterly swells of 3 to 4 meters were also observed. The SPCZ gradually weakened over the Southern and Central atolls in the last weeks of the month. It is expected to be thin and weak and be located north of its climatological position, stretching from Solomon Islands to Samoa to Southern Cooks.

TABLE 1: MONTHLY RAINFALL FROM MAY 2021 TO JULY 2021

Station	MAY				JUNE				JULY			
	No. of rain days	% of total rain	Total Rainfall (mm)	Monthly Normal Rainfall—(SCOPIC 30years) (mm)	No. of rain days	% of total rain	Total Rainfall (mm)	Monthly Normal Rainfall—(SCOPIC 30years) (mm)	No. of rain days	% of total rain	Total Rainfall (mm)	Monthly Normal Rainfall—(SCOPIC 30years) (mm)
Nanumea	13	58	151.9	154.2—231.9	08	14	69.2	133.4—206.2	18	47	192.3	125.0—219.7
Nui	19	51	131.1	148.6—214.9	18	26	147.0	152.9—221.3	22	35	147.7	162.5—232.6
Funafuti	22	57	77.3	194.1—257.0	19	25	161.6	165.3—260.1	23	55	293.4	191.3—277.6
Niulakita	23	44	74.3	176.6—249.0	24	46	350.9	145.4—266.1	23	27	158.1	167.8—259.3

TABLE 2: RAINFALL FROM MAY 2021 TO JULY 2021

Stations	Actual Rainfall (mm) for May 2021 — July 2021	Normal Rainfall (SCOPIC 30years)(mm) May 2021 — July 2021	Rainfall in the last three months (Below Normal, Normal or Above Normal)	
Nanumea	413.4	475.9—701.6	Below Normal	 Below Normal
Nui	425.8	514.5—705.7	Below Normal	 Normal
Funafuti	532.3	621.2—774.4	Below Normal	 Above Normal
Niulakita	583.3	546.3—781.4	Normal	

RAINFALL IN THE MONTH OF JULY 2021

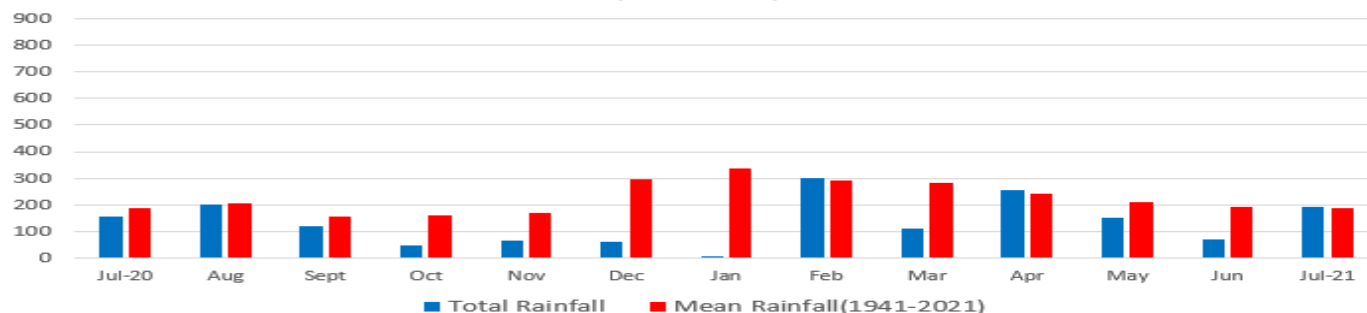
Reports obtained from all stations in (Table 1 for details) during July 2021, **below normal** rainfall was observed at Nui and Niulakita. **Normal** rainfall was observed at Nanumea. **Above normal** rainfall was observed at Funafuti.

Specifically for July 2021, highest single day recordings was **52.5mm** at Funafuti on the 31st of July followed by Nanu-

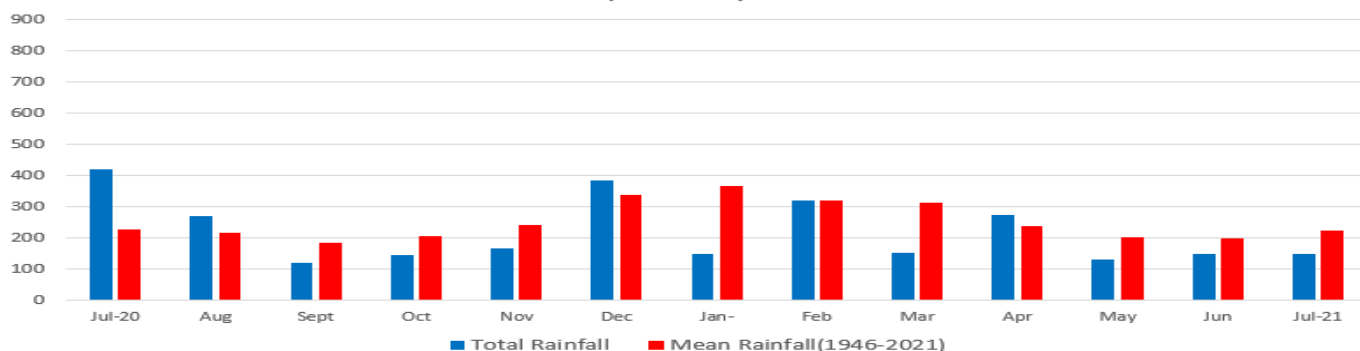
mea with **35.1mm** on the 29th of July, then Nui with **34.0mm** on the 27th of July, then Niulakita with **26.6mm** on the 19th of July.

MONTHLY RAINFALL OBSERVED FROM JULY 2020 TO JULY 2021

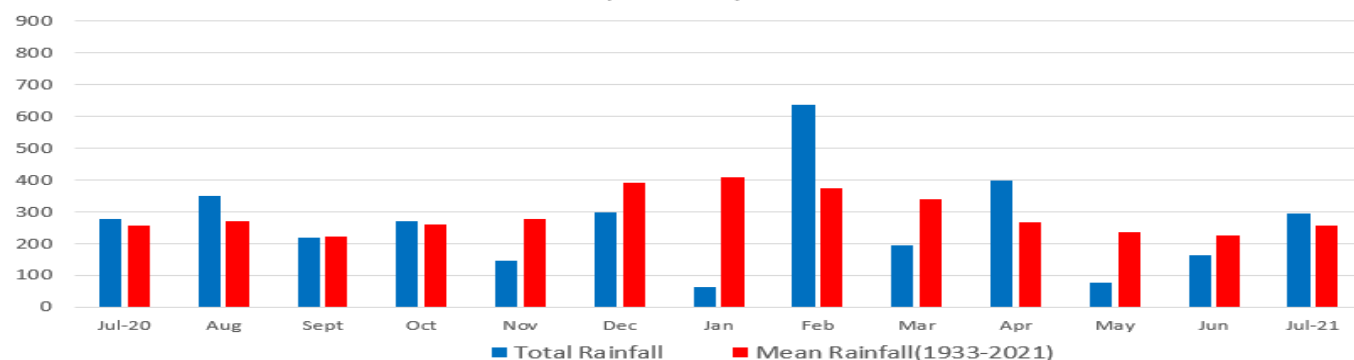
Nanumea Rainfall
July 2020 - July 2021



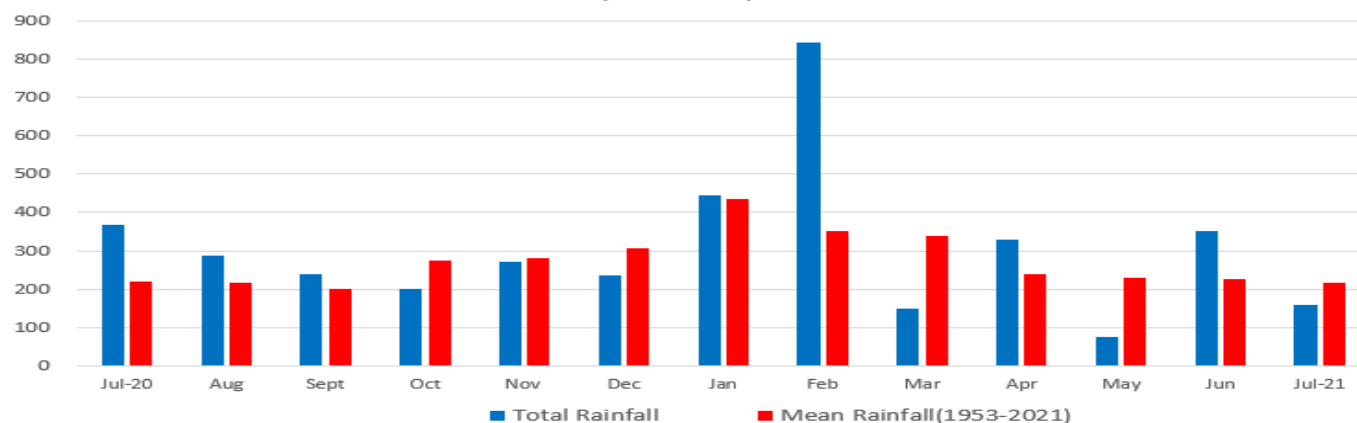
Nui Rainfall
July 2020 - July 2021



Funafuti Rainfall
July 2020 - July 2021



Niulakita Rainfall
July 2020 - July 2021



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

Phone (688) 20736, Email; tuvmet@gmail.com, Facebook@ Tuvalu Meteorological Service.