



CLIMATE SUMMARY

TUVALU METEOROLOGICAL SERVICES
MINISTRY OF PUBLIC WORKS, INFRASTRUCTURE, ENVIRONMENT, LABOUR, METEOROLOGICAL AND DISASTER .
July 2022



WEATHER PATTERNS

The month began with strong easterlies whereby a strong wind warning was issued on the 3rd to all open waters of the group and was canceled on the 9th. Strong trade winds were associated with easterly wind waves of 2 to 3 meters. The Northern atolls observed more rainfall compared to the rest of the group, due to a shower band that approached the group from the north and moved southwards. A weak South Pacific Convergence Zone (SPCZ) stretched from Vanuatu to Fiji to Samoa in the first week and became active in the 2nd week in

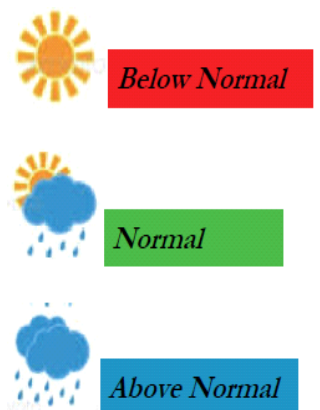
the coral sea. On the 22nd, a trough of low pressure moved slowly over the central group and Funafuti, where rainfall was observed only by the specific atolls, while the rest reported nil rainfall. On the 25th, deep convection was observed to develop east of Funafuti and moved towards Funafuti, thus recording the highest daily rainfall of 27.9mm. SPCZ remained active in the Coral Sea throughout the month and is expected to stretch from PNG across northern Vanuatu, near Samoa to near French Polynesia in the coming month.

TABLE 1: MONTHLY RAINFALL FROM MAY TO JULY 2022

Station	MAY			JUNE			JULY		
	No. of rain days	Total Rainfall (mm)	Monthly Normal—SCOPIE (mm)	No. of rain days	Total Rainfall (mm)	Monthly Normal—SCOPIE (mm)	No. of rain days	Total Rainfall (mm)	Monthly Normal—SCOPIE (mm)
Nanumea	15	33.5	141.2—250.2	16	57.9	127.0—212.9	18	28.3	121.4—218.8
Nui	13	210.2	148.6—218.1	16	55.3	148.0—218.4	12	56.5	161.0—232.6
Funafuti	21	312.2	197.8—262.9	22	93.5	165.2—259.4	18	87.4	266.4—221.1
Niulakita	24	151.4	175.1—249.0	23	141.8	146.3—273.2	18	112.0	165.7—257.0

TABLE 2: RAINFALL FROM MAY TO JULY 2022

Stations	Actual Rainfall (mm) for May 2022 to July 2022	Normal Rainfall SCOPIE (mm) May 2022— July 2022	Rainfall in the last three months (Below Normal, Normal or Above Normal)
Nanumea	119.7	444.4—711.8	Below Normal
Nui	322.0	514.5—707.9	Below Normal
Funafuti	493.1	621.7—749.7	Below Normal
Niulakita	405.1	546.7—778.7	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.

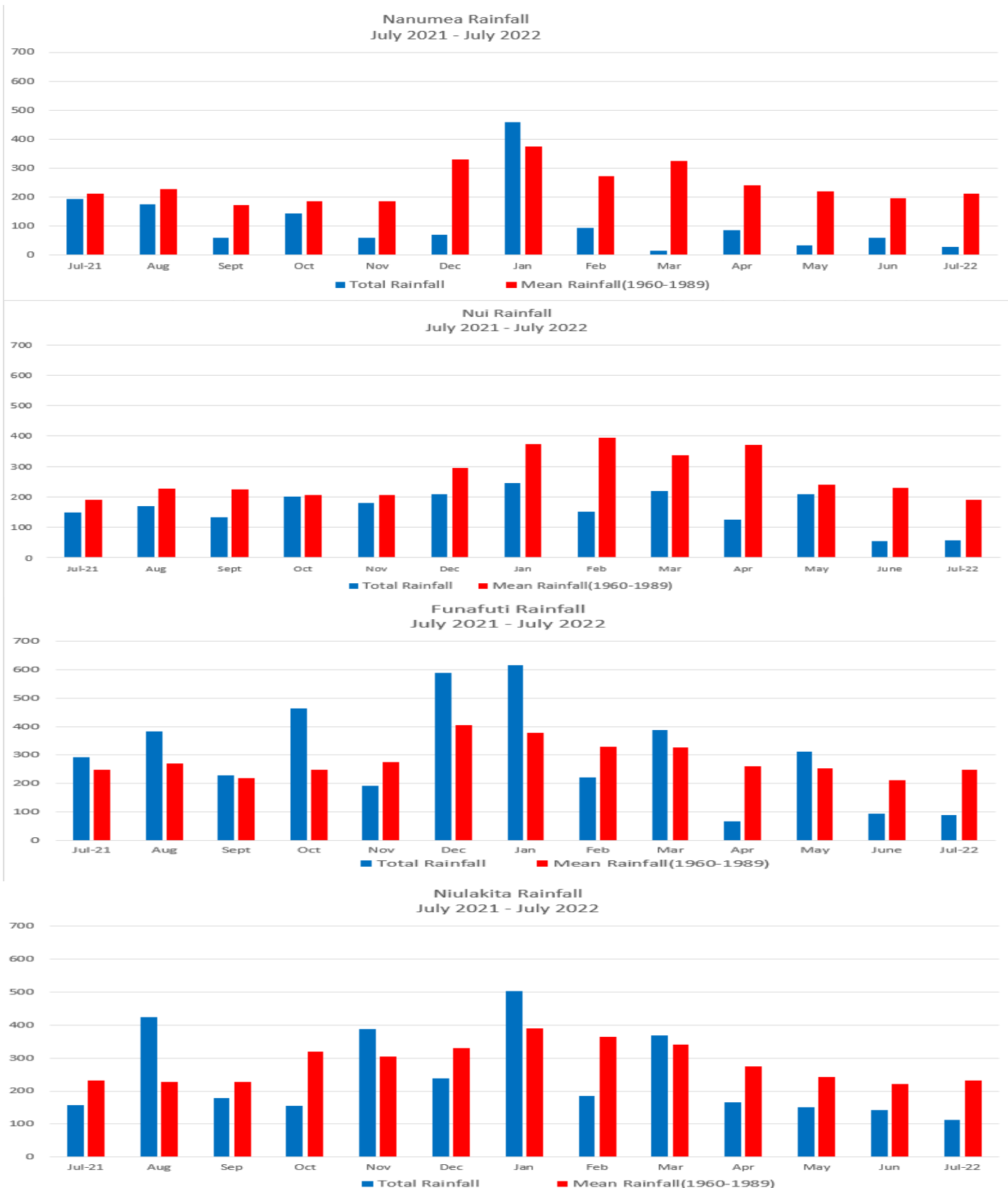
Phone (688) 20095 or (688)20090, Email; tuvmet@gmail.com, Facebook: Tuvalu Meteorological Service

RAINFALL IN THE LAST THREE MONTHS

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

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

Specifically for July 2022, highest single day recording was 27.9mm at Funafuti, followed by Niulakita with a 24.7mm, then Nui 13.7mm, and Nanumea recorded the least amount of 6.9mm.



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) 20095 or (688)20090, Email; tuvmet@gmail.com, Facebook: Tuvalu Meteorological Service