



Climate Summary

July 2017

METEOROLOGY DIVISION

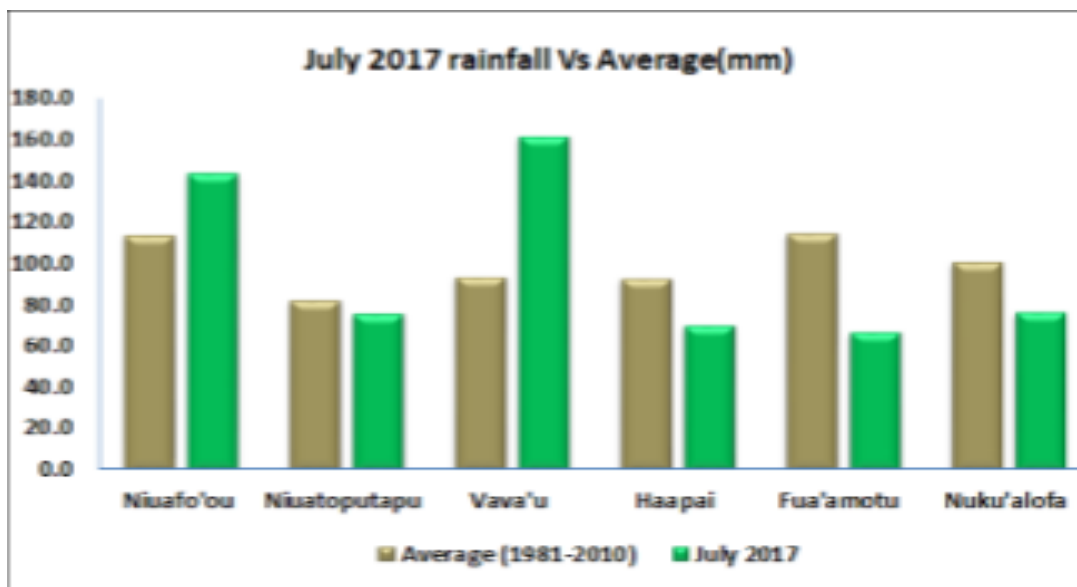
Ministry of Meteorology, Energy, Information, Disaster Management, Environment, Climate Change and Communications

Climate in brief.

Rainfall was wetter than average in Niufo'ou and Vava'u, near average in Niuatoputapu and below average in Ha'apai and Tongatapu. refer to **Graph 1**.

Warmer than average temperatures were experienced across the country except in Niuatoputapu and Vava'u where it was cooler than average. The average temperature in July was 23.6°C which was 0.2°C above average from Tonga's 6 station). Refer Table 1.

Highest maximum temperature was 32.7°C recorded in Niufo'ou on the 14th and the lowest minimum temperature was 12.6°C in Fua'amotu on the 13th. Refer Table 2.



Summary of Temperatures (°C)

Table 1. Summary of 2017 Temperatures

Stations	Mean Maximum Temp	Mean Minimum Temp	2017 Mean Temperature °C	Average (Normal) Temperature (1981-2010) °C	Departure from normal °C
Niuafóú	30.4	22.1	26.3	25.7	+0.6
Niutopotapu	28.4	23.1	25.7	25.8	-0.1
Vava'u	25.9	19.7	22.8	23.0	-0.2
Ha'apai	25.4	20.8	23.1	22.8	+0.3
Fua'amotu	25.1	18.3	21.7	21.4	+0.3
Nuku'alofa	25.9	17.8	21.9	21.8	+0.1
Average	26.9	20.3	23.6	23.4	+0.2

Table 2. Summary of Temperatures

Stations	July 2017 Temperature °C		July Temperature from start of record °C	
	Highest Maximum	Lowest Minimum	Highest Maximum	Lowest Minimum
Niuafóú 1974-2017	32.7	21.2	32.9	16.6
Niutopotapu (1958-2017)	30	18.4	32.0	16.2
Vava'u. (1951-2017)	28.8	14.2	31.1	10.9
Ha'apai (1961-2017)	28.7	17.4	31.3	12.9
Fua'amotu (1980-2017)	28.8	12.6	28.9	9.8
Nuku'alofa (1949-2017)	28.9	12.9	29.5	10.9

SUMMARY OF RAINFALL 2017

Table 3. Summary of July rainfall 2017

Stations	July 2017 Total Rainfall (mm)	Normal (1981- 2010) (mm)	% Normal	Highest July rainfall from start of record (mm)	Number of day with rain	Highest 1-Day Rainfall (mm)	Highest 1- Day Rainfall From start of record (mm)
Niufo'ou	143.6	113.7	126	474.0	22	34.8	190.0
Niuatoputapu	75.3	82.3	91	542.0	17	27.7	203.1
Vava'u	161.6	93.5	172	467.0	17	54.7	109.4
Ha'apai	69.5	92.5	75	238.0	11	22.9	223.3
Fua'amotu	66.2	114.5	57	235.0	9	37	101.3
Nuku'alofa	75.8	100.6	75	259.0	13	42.7	132.8