



Climate Outlook 2024



October &
October to December 2024

Issued: 20 September 2024

Recent Observations

August 2024

- Above average rainfall received over ‘Eua, Nuku’alofa and Niufo’ou. (see table below)
- The mean air temperature was 23.2°C which was 0.3°C below average.
- Highest 24hrs rainfall was 100.0mm recorded at Niufo’ou on the 26th.
- Highest maximum temperature was 31.8°C recorded at Nomuka on the 19th.

ENSO Status



The El Niño–Southern Oscillation (ENSO) is currently in neutral condition and is likely to continue during the forecast period up to early 2025.

Climate models suggest that SSTs in the central tropical Pacific are likely to remain within the ENSO-neutral over the coming months.

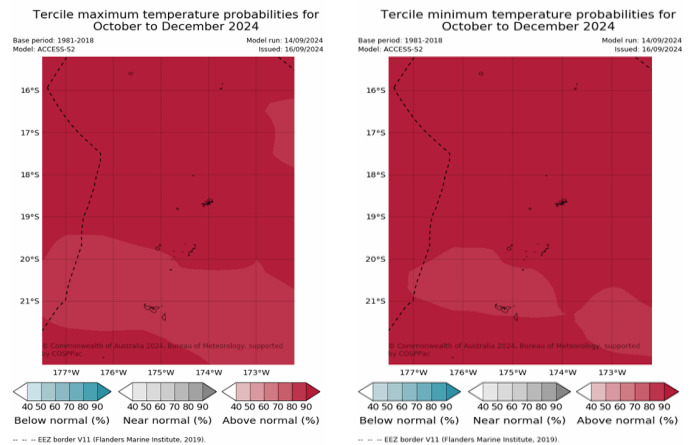
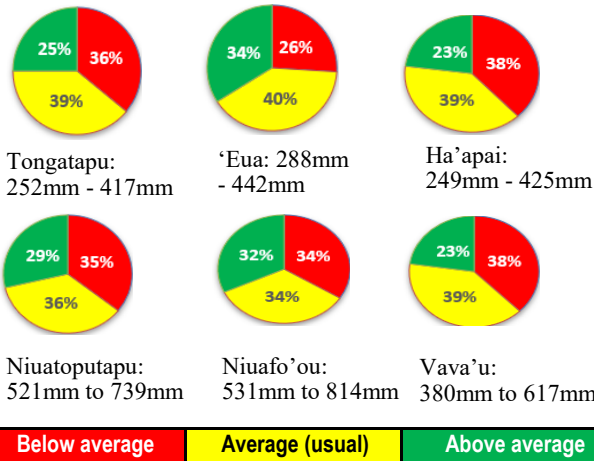
Table 1. Rainfall totals from last 6 months, March – August 2024 (mm)

	March	April	May	June	July	August
Niufo’ou	158.0	192.0	67.5	25.0	84.5	165.0
Niutoputapu	172.0	178.5	163.0	157.5	119.5	50.0
Vava’u	758.5	100.4	162.2	107.8	85.1	109.1
Ha’apai	567.6	40.6	135.5	110.1	53.8	18.5
Fua’amotu	637.6	22.3	384.8	46.3	62.5	93.8
Nuku’alofa	739.0	134.5	297.5	37.5	66.5	159.0
‘Eua	890.0	34.5	270.4	53.0	130.5	205.5

Below average	Average (usual)	Above average
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Rainfall & Temperature Outlook: October, October-December 2024

- For most of Tonga, rainfall in October is forecast to be normal to below normal
- During September to November, most of Tonga is forecast to receive normal to below-normal rainfall
- Maximum and minimum temperatures during October and October to December is forecast for normal to above normal across the country.
- There is an increasing trend for above normal rainfall for Tonga.



The next Climate update will be issued second week of October 2024 or earlier

Disclaimer:

This summary is prepared as soon as possible following the end of the month, once climate data is received from recording stations around Tonga. Delays in data collection, communication and processing occasionally arise. While every effort is made to verify observational data, the Tonga Meteorological Service makes no statements, representations, or warranties about the accuracy or completeness of, and you should not rely on, any information contained in this report. Despite our best efforts, TMS makes no warranties that the information in this publication is free of numerical errors. TMS disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages and costs you might incur as a result of the information being inaccurate or incomplete in any way, and for any reason. This information should be used as a guidance only. For further information about this forecast should be directed to the Director of the Tonga Meteorological Service, at P.O. Box 1380, Nuku’alofa. Or email at metstaff@met.gov.to. Tel: (676) 0800638/ 7400062 or our website; <http://www.met.gov.to> for more information.