



# Tuvalu Meteorological Service Early Action Rainfall Watch:



**Purpose:** The Early Action Rainfall Watch provides a summary of recent rainfall patterns, particularly the status of drought and the rainfall outlook for the coming months. The status and outlook will be revised on a monthly basis. Contact the Tuvalu Meteorological Service (TMS) for further information.

## SUMMARY

***"The El Nino-Southern Oscillation (ENSO) remains neutral"***

- Global Sea Surface Temperatures remained substantially above average.
- The Bureau's models forecast neutral ENSO conditions (neither El Niño nor La Niña) until at least December 2025. This is consistent with forecast from international models.

**Issued:17/07/2025**



## RAINFALL STATUS:

- ❖ For the month of **June 2025**, Very Wet over Nukufetau, Funafuti Nukulaelae and Niulakita and NO Extreme rainfall over Nanumea, Nanumaga Niutao and Nui.
- ❖ For the past three months, **April to June 2025**, it was *No Extreme* over Tuvalu.
- ❖ Over the past six months, **January 2025 to June 2025**, it was Very dry at Vaitupu, No Extreme over Nanumea, Nanumaga, Niutao, Nui, Nukufetau, Funafuti and Nukulaelae while Niulakita observed very wet over the past six months.
- ❖ Past 12 months, **July 2024 to June 2025**, It was *No Extreme rainfall* existed across the country except Niulakita observed very wet.

## Rainfall OUTLOOK:

- For next month August 2025, Very high chance of very dry predicted over Nanumea while Niutao, Nanumaga, Nui, Vaitupu, Nukufetau, Funafuti, Nukulalae and Niulakita predict to be low chance of extreme
- For the next three months, Tuvalu predicted to be medium chance of very dry.

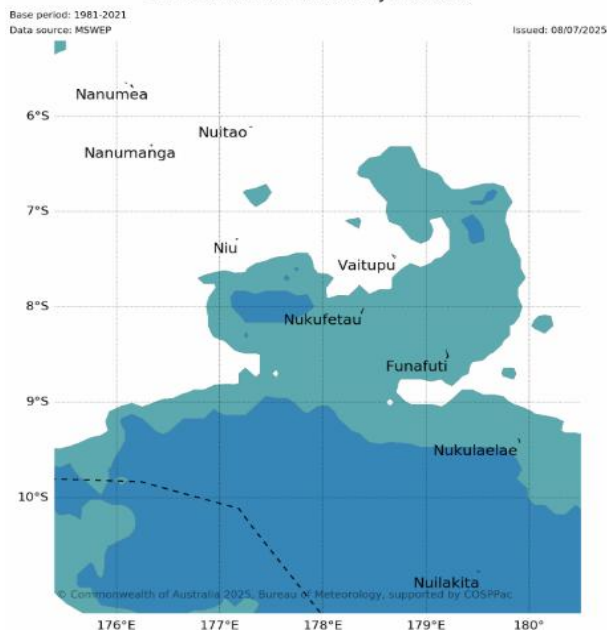
# Rainfall observed for the last month, 3-months, 6-months and 12-months

The table below provides information on rainfall received over specific periods in the last 12 months, whether a station is in drought or a very wet period (opposite of drought). If a station is in drought warning, this indicates an increased chances of drought in the coming months, especially when approaching the dry season. The time periods are associated with different drought impacts presented below the tables.

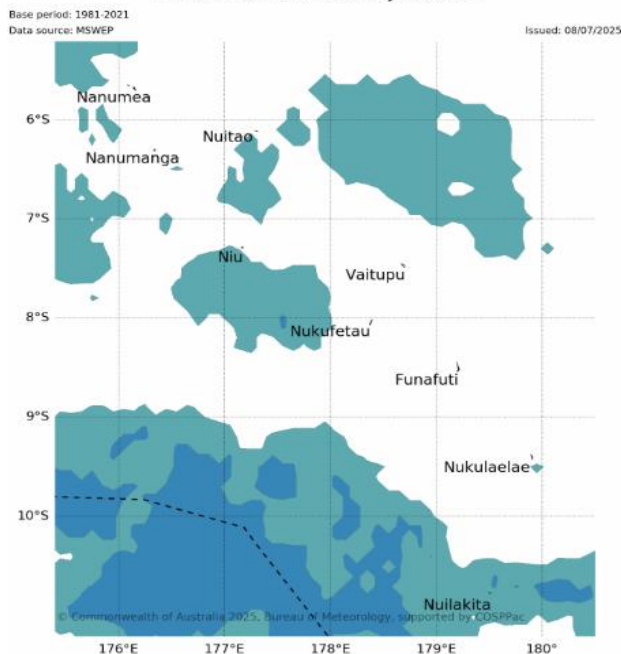
Past Rainfall Status						Very Dry/Wet Rainfall Outlook		
1-month June 2025	3-months April to June 2025	6-months January2025 to June 2025	12-months July 2024 to June 2025		Tuvalu Islands		1-months August 2025 Chance of extreme	3-months August to October 2025 Chance of extreme
No Extreme	No Extreme	No Extreme	No Extreme		Nanumea		High Chance of Very Dry	Medium Chance of Very dry
No Extreme	No Extreme	No Extreme	No Extreme		Nanumaga		Low Chance of Extreme	Medium Chance of Very dry
No Extreme	No Extreme	No Extreme	No Extreme		Niutao		Low Chance of Extreme	Medium Chance of Very dry
Very Wet	No Extreme	No Extreme	No Extreme		Nui		Low Chance of Extreme	Medium Chance of Very dry
No Extreme	No Extreme	Very Dry	No Extreme		Vaitupu		Low Chance of Extreme	Medium Chance of Very dry
Very Wet	No Extreme	No Extreme	No Extreme		Nukufetau		Low Chance of Extreme	Medium Chance of Very dry
Very Wet	No Extreme	No Extreme	No Extreme		Funafuti		Low Chance of Extreme	Medium Chance of Very dry
Very Wet	No Extreme	No Extreme	No Extreme		Nukulaelae		Low Chance of Extreme	Medium Chance of Very dry
Very Wet	No Extreme	Very Wet	Very Wet		Niulakita		Low Chance of Extreme	Medium Chance of Very dry

# ACCESS-S Rainfall Summary for June, 2025.

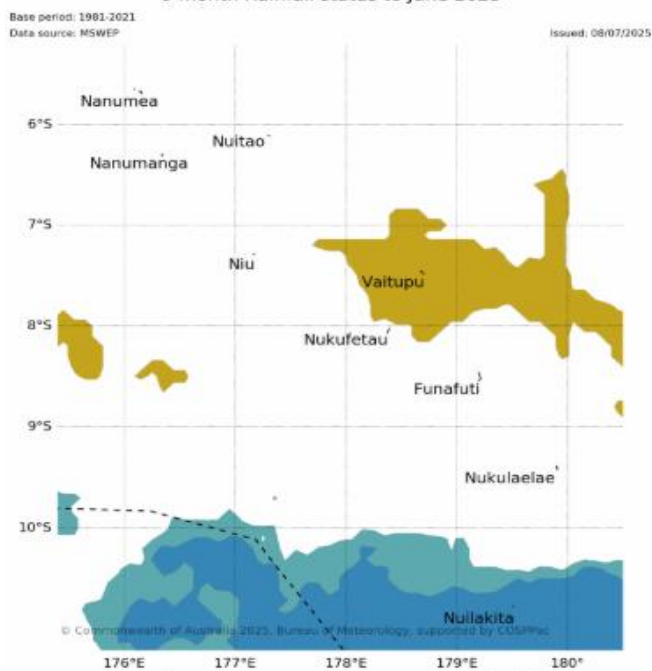
1-month Rainfall status to June 2025



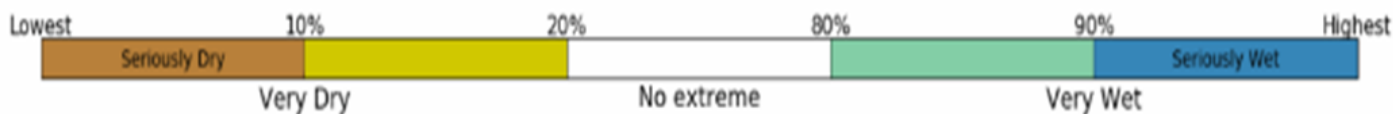
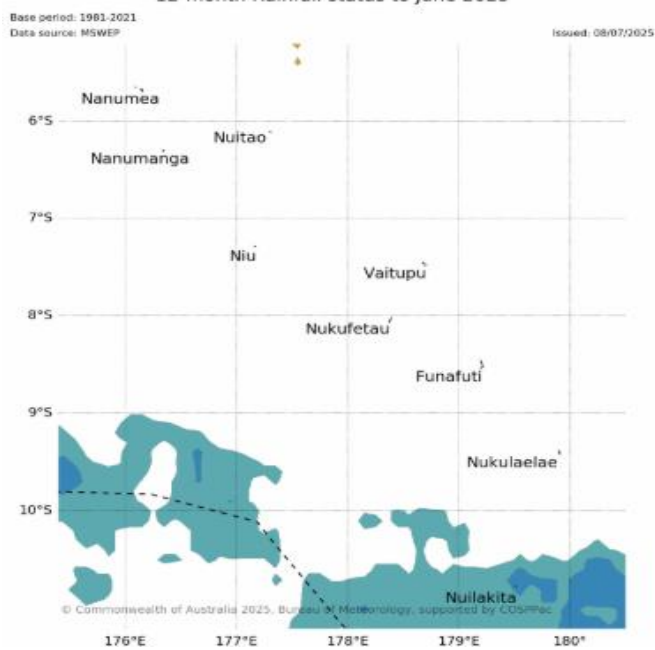
3-month Rainfall status to June 2025



6-month Rainfall status to June 2025



12-month Rainfall status to June 2025



## **Time periods and impacts:**

**1 – month** period is most relevant for shallow rooted crops ( e.g. eggplant, cabbage, tomatoes, spring onions, watermelons, cucumber), small water tanks (e.g. 1000galloons) and household water cisterns. The following secondary health and social-economic have been associated with drought at the 1-month period. Diarrhoea, skin rash, cough and fever, red eye, desalination plant (increased power demand and higher water costs for households), health of babies and elderly people declines, schools close and construction stops.

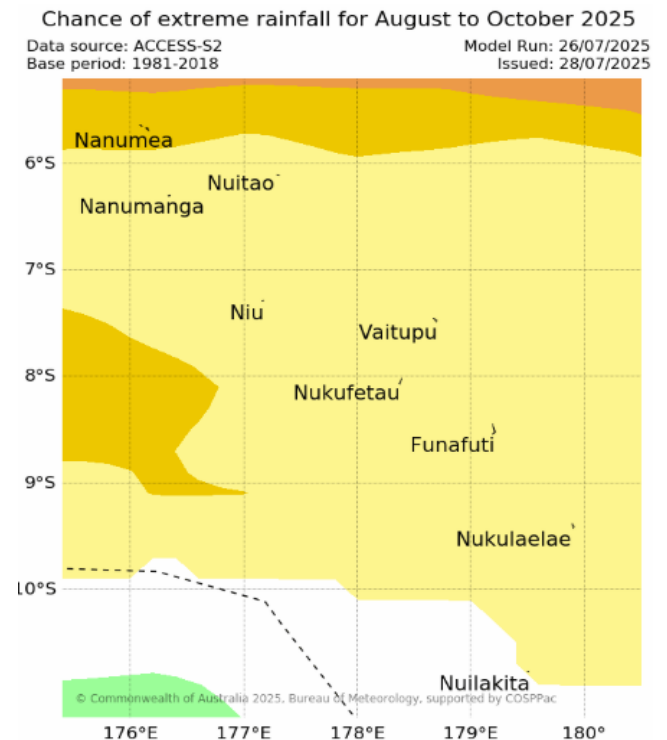
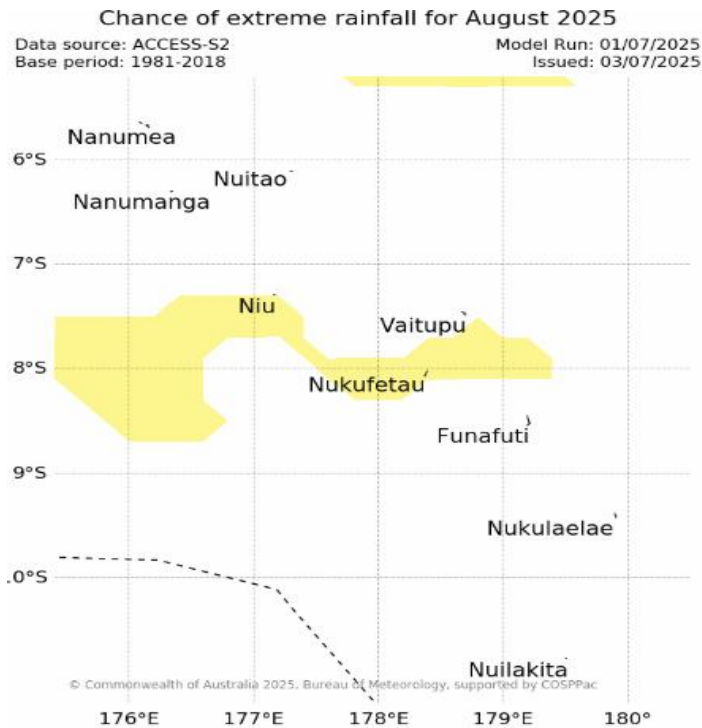
**2 – months** period is most relevant for bottle gourd, pawpaw, banana, chicken, pigs and community cisterns. The following secondary social-economic and health impacts have been associated with drought at the 2-months period. Community gatherings stop, increased in community disputes over water and limited or no employment.

**3 – months** period is most relevant for pumpkin, groundwater and ponds. The following secondary social-economic and health impacts have been associated with drought at the 3-months period. Crimes increase e.g. water stealing, government offices close and national events postponed.

**6 – months** period is most relevant for large trees (e.g. breadfruits, pulaka, taro). The following secondary social-economic and health impacts have been associated with drought at the 6-months periods. Meteorological balloon flights stop, interislands shipping delays, entry of visitors to Tuvalu restricted.

**12- months** period is most relevant for felo, dragon fruits, pandanus, coconuts and ofega.

## Very Dry/Wet Rainfall Outlooks for August, and August to October 2025



## Outlook Status

The outlook provides the likelihood of receiving above normal to normal rainfall over the next three months and the following three months. The outlook does not indicate the amount of rainfall that may be received, how intense the rain may be in any one event, nor how it may vary from month to month.

## Rainfall Status

- Estimates of moisture/water stress is based on recent rainfall compared with historical observations using the Percentile (Decile) Index.
- *Definitions:* "Very Dry" = rainfall in the lowest 20% of the historical record for that location and season, "Very Wet" = rainfall in the highest 20% for that location and season, "Seriously Dry" = rainfall in the lowest 10% of the historical record for that location and season, "Seriously Wet" = rainfall in the highest 10% for that location and season.

Contact Tuvalu Meteorological Service for further information:

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