



# Tuvalu Meteorological Service Early Action Rainfall Watch:



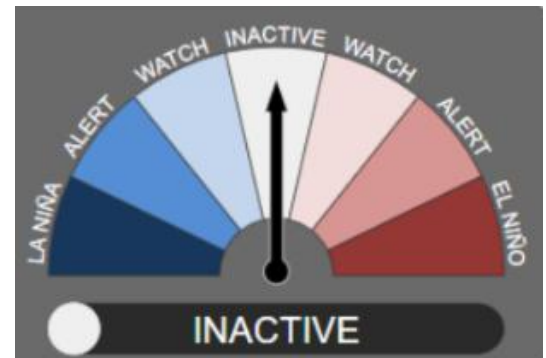
**Purpose:** The Early Action Rainfall Watch provides a summary of recent rainfall patterns, particularly the status of drought and the rainfall outlook for the coming months. The status and outlook will be revised on a monthly basis. Contact the Tuvalu Meteorological Service (TMS) for further information.

## SUMMARY

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

- Global Sea Surface Temperatures remained substantially above average.
- The Bureau's model predicts a neutral ENSO (neither El Niño nor La Niña) until at least January. This is consistent with forecasts from 7 out of 9 international models assessed.

**Issued:23/08/2025**



## RAINFALL STATUS:

- ❖ For the month of **July 2025**, No Extreme over Nanumea, Nanumaga, Niutao, Nui, Vaitupu, Nukufetau, Funafuti and Niulakita, excluding Nukulaelae where rainfall was Very Dry conditions.
- ❖ For the past three months, **May to July 2025**, it was *No Extreme* over Nanumea, Nanumaga, Niutao, Nui, Vaitupu, Nukufetau, Funafuti and Nukulaelae, while Very Wet in Niulakita.
- ❖ Over the past six months, **February 2025 to July 2025**, it was Very Dry at Vaitupu, No Extreme over Nanumea, Nanumaga, Niutao, Nui, Nukufetau, Funafuti and Nukulaelae, while Very Wet conditions at Niulakita.
- ❖ Past 12 months, **August 2024 to July 2025**, It was *No Extreme rainfall* existed over Tuvalu.

## Rainfall OUTLOOK:

- For September 2025, Medium Chance of Very Dry persisting Nanumaga, Niutao, Nui, Vaitupu, Nukufetau, and Funafuti, but High Chance of Very Dry over Nanumea. In Nukulaelae and Niulakita expected to be Low Chance of Extreme.
- Over the next three months, September to November mostly likely to be High Chance of Very Dry over Nanumea, Niutao, Nanumaga and Nui. There is a Medium Chance of Very Dry rainfall over Vaitupu, Nukufetau, Funafuti, and Nukulaelae excepts Niulakita where rainfall is likely to be Low Chance of Extreme.

## 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.

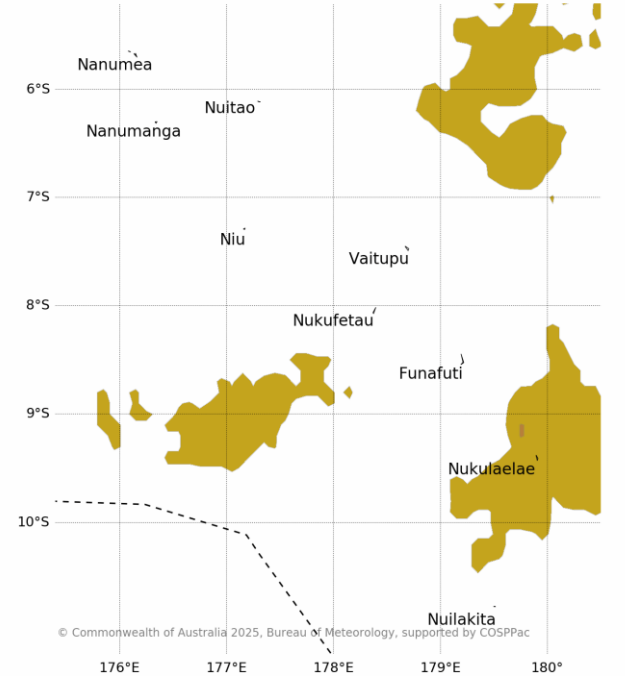
Past Rainfall Status						Very Dry/Wet Rainfall Outlook		
1-month July 2025	3-months May to July 2025	6-months February 2025 to July 2025	12-months August 2024 to July 2025		Tuvalu Islands		1-months September 2025 Chance of extreme	3-months September to November 2025 Chance of extreme
No Extreme	No Extreme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

## ACCESS-S Rainfall Summary for July, 2025.

### 1-month Rainfall status to July 2025

Base period: 1981-2021  
Data source: MSWEP

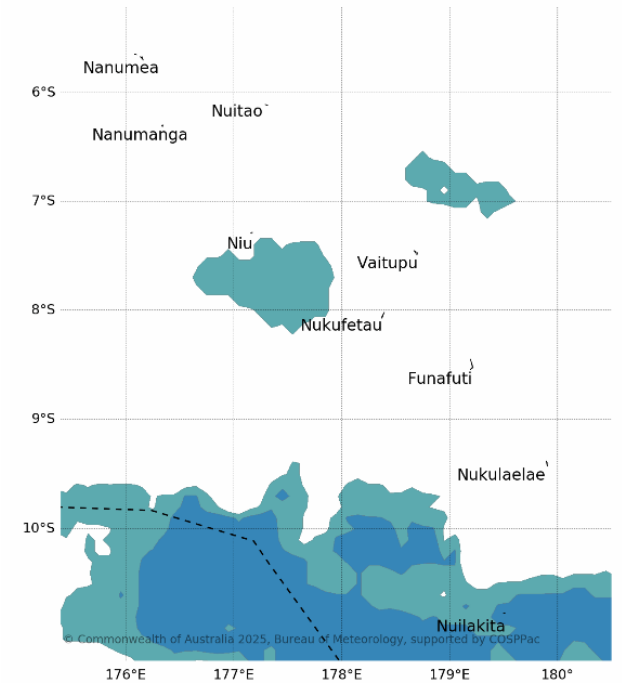
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3-month Rainfall status to July 2025

Base period: 1981-2021  
Data source: MSWEP

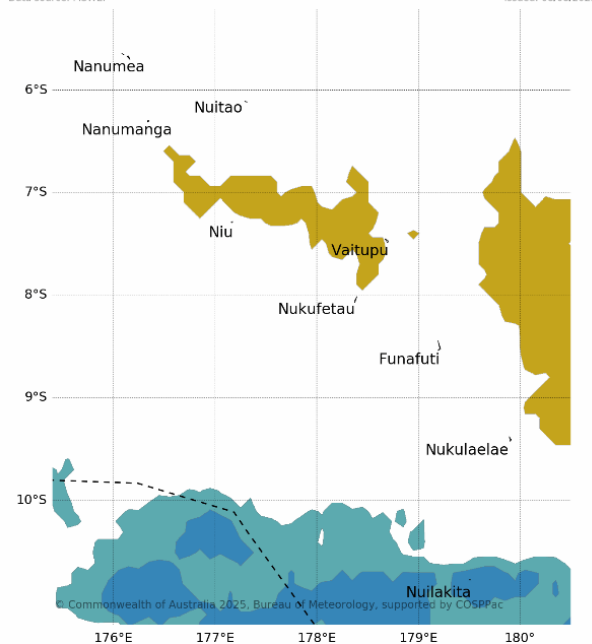
Issued: 08/08/2025



6-month Rainfall status to July 2025

Base period: 1981-2021  
Data source: MSWEP

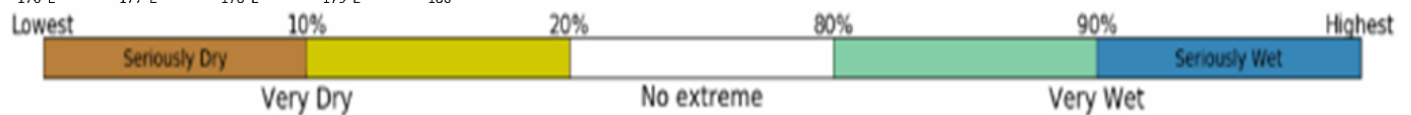
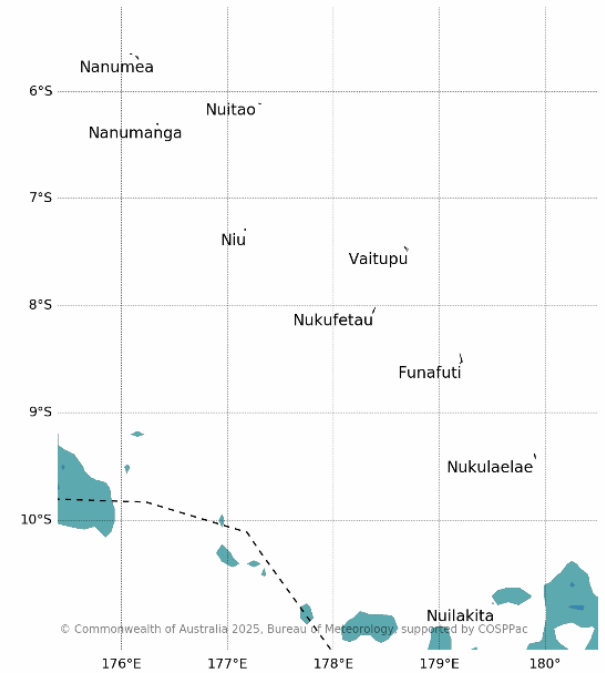
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12-month Rainfall status to July 2025

Base period: 1981-2021  
Data source: MSWEP

Issued: 08/08/2025



## **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.

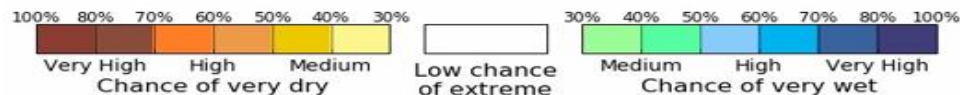
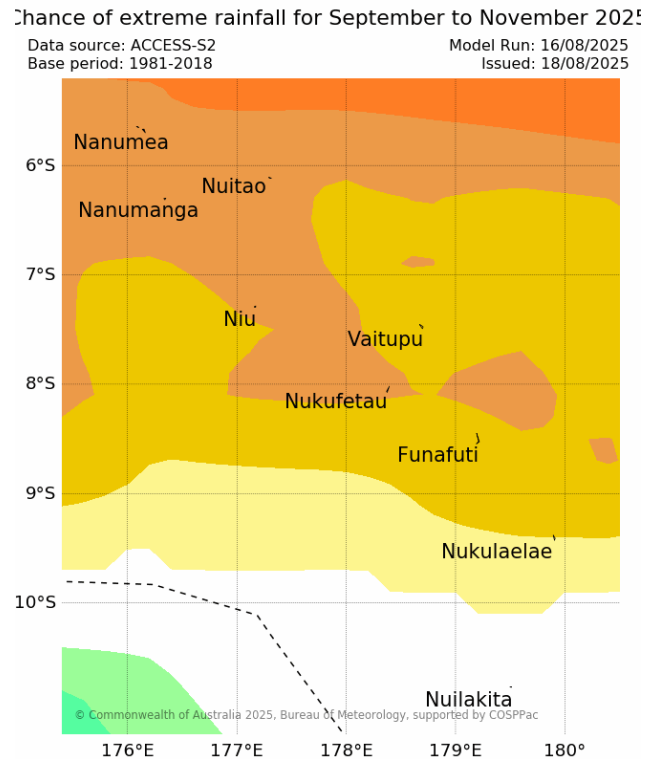
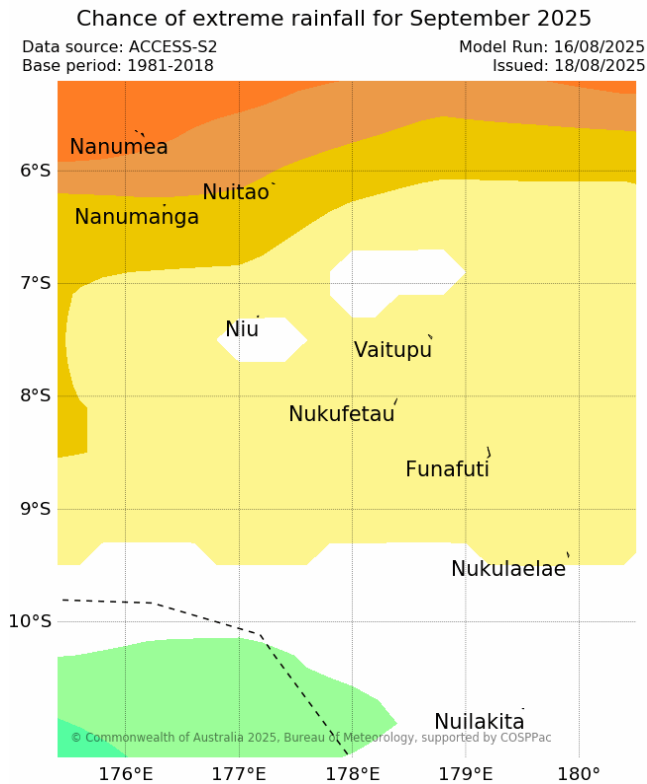
**2 – months** period is most relevant for bottle gourd, pawpaw, banana, chicken, pigs and community cisterns. The following secondary social-economic and health impacts have been associated with drought at the 2-months period. Community gatherings stop, increased in community disputes over water and 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 September, and September to November 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:

Chief Meteorological Officer, Ministry of Public Works, Infrastructure, Water, Meteorology and Disaster, Vaiaku, Funafuti, Tuvalu.

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