



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 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 October 2025. This is consistent with forecast from international models.

Issued:30/05/2025



RAINFALL STATUS:

- ❖ For the month of **April 2025**, it was *No Extreme* over Nanumea, Nanumaga, Niutao, Nui, Vaitupu, Nukufetau, Funafuti, and Nukulaelae. *Very Dry* at Niulakita.
- ❖ For the past three months, **February to April 2025**, it was *Very dry* at Nanumea, Nanumaga, Niutao, Nui, Vaitupu, Nukufetau, and Funafuti. *No extreme* at Nukulaelae, and *Very Wet* existed in Niulakita.
- ❖ Over the past six months, **November 2024 to April 2025**, was *Very dry* over Nanumea, Nanumaga, Niutao, Nui, Vaitupu, Nukufetau and Nukulaelae. *No extreme* in Funafuti and Niulakita.
- ❖ Past 12 months, **March 2024 to April 2025**, It was *No Extreme* most existed across the country excluding Niulakita was *Very wet*.

Rainfall OUTLOOK:

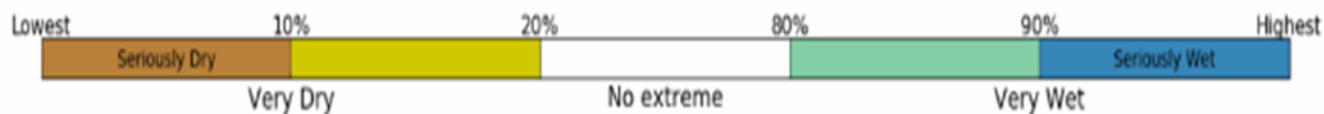
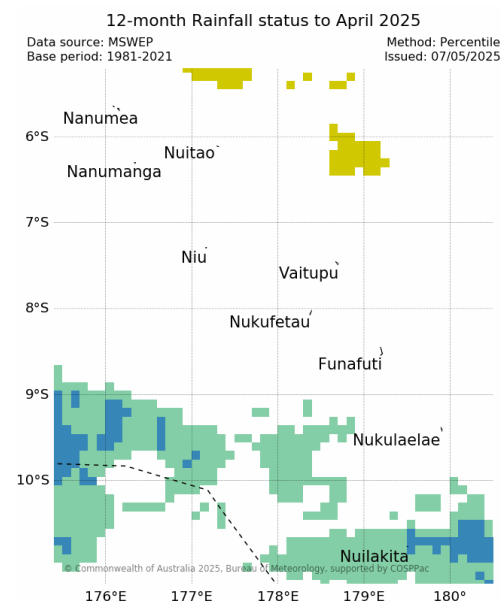
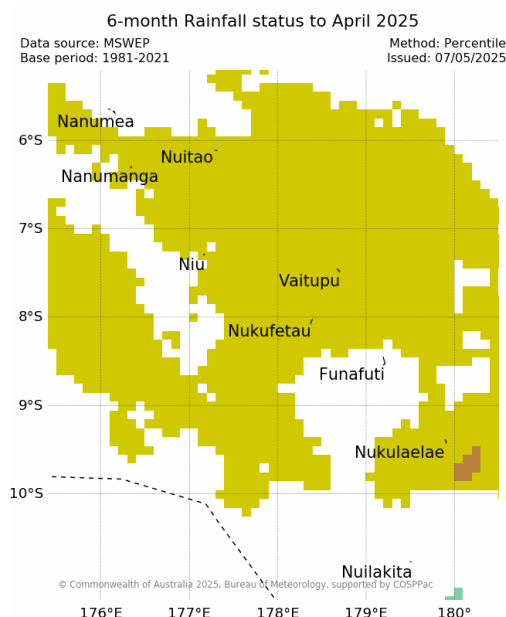
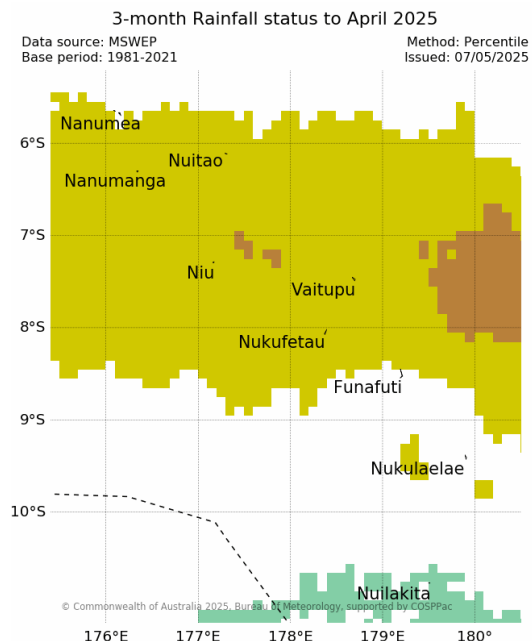
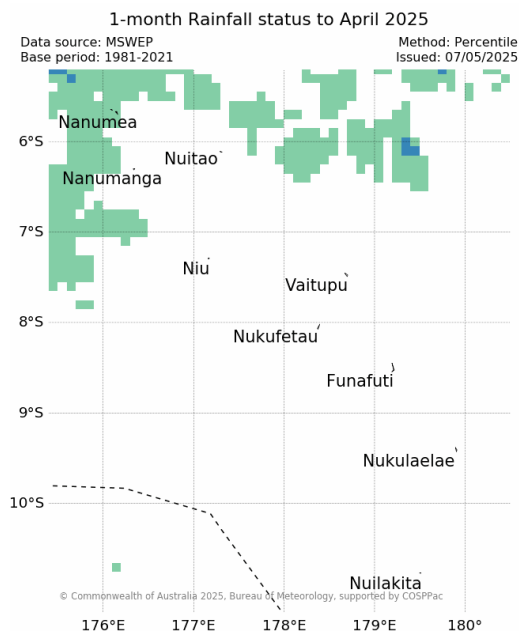
- *Low Chance of Extreme* conditions predicted for **June and during June to August 2025** over Tuvalu.

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 April 2025	3-months February to April 2025	6-months November 2024 to April 2025	12-months March 2024 to April 2025		Tuvalu Islands	1-months June 2025 Chance of extreme	3-months June to August 2025 Chance of extreme
No Extreme	Very Dry	Very Dry	No Extreme		Nanumea	Low Chance of Extreme	Low Chance of Extreme
No Extreme	Very Dry	Very Dry	No Extreme		Nanumaga	Low Chance of Extreme	Low Chance of Extreme
No Extreme	Very Dry	Very Dry	No Extreme		Niutao	Low Chance of Extreme	Low Chance of Extreme
No Extreme	Very Dry	Very Dry	No Extreme		Nui	Low Chance of Extreme	Low Chance of Extreme
No Extreme	Very Dry	Very Dry	No Extreme		Vaitupu	Low Chance of Extreme	Low Chance of Extreme
No Extreme	Very Dry	Very Dry	No Extreme		Nukufetau	Low Chance of Extreme	Low Chance of Extreme
No Extreme	Very Dry	No Extreme	No Extreme		Funafuti	Low Chance of Extreme	Low Chance of Extreme
No Extreme	No Extreme	Very Dry	No Extreme		Nukulaelae	Low Chance of Extreme	Low Chance of Extreme
Very Dry	Very Wet	No Extreme	Very Wet		Niulakita	Low Chance of Extreme	Low Chance of Extreme

ACCESS-S Rainfall Summary for May, 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.

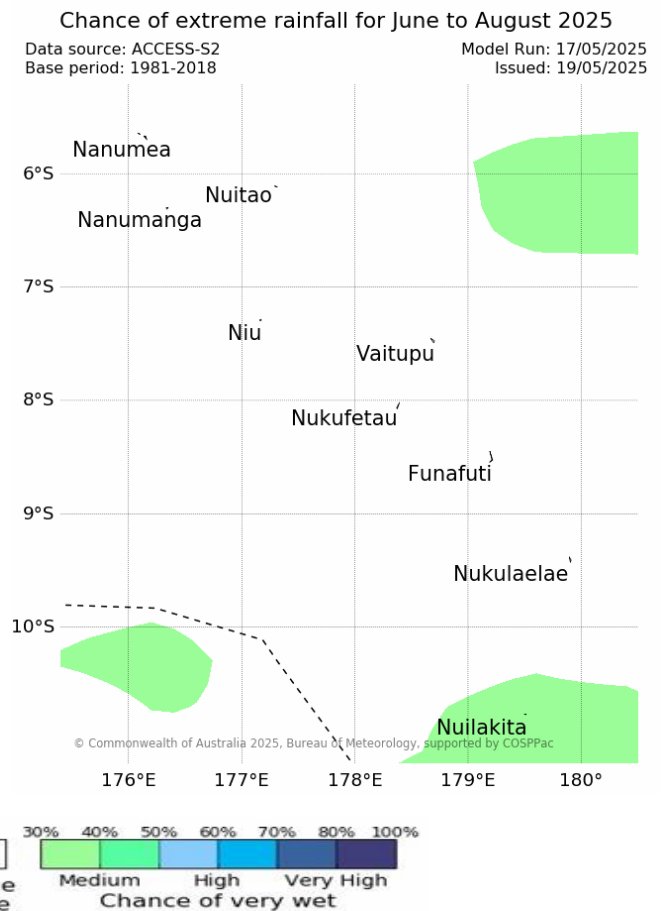
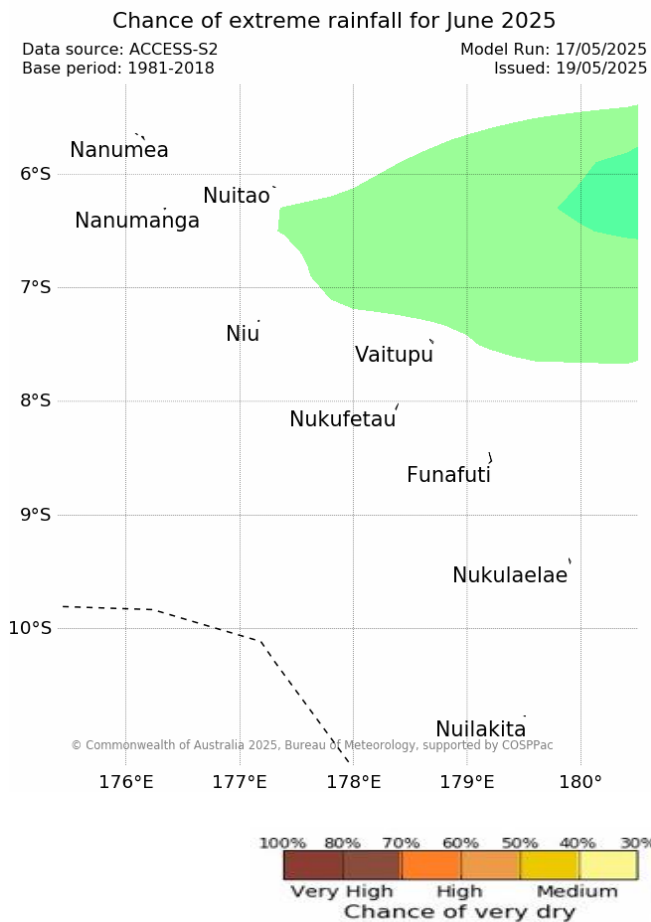
2 – months period is most relevant for bottle gourd, pawpaw, banana, chicken, pigs and community cisterns. The following secondary social-economic and health impacts have been associated with drought at the 2-months period. Community gatherings stop, increased in community disputes over water and limited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