



Tonga Climate Update & Climate Outlook



December 2025 - February 2026

Issued: 18 November 2025

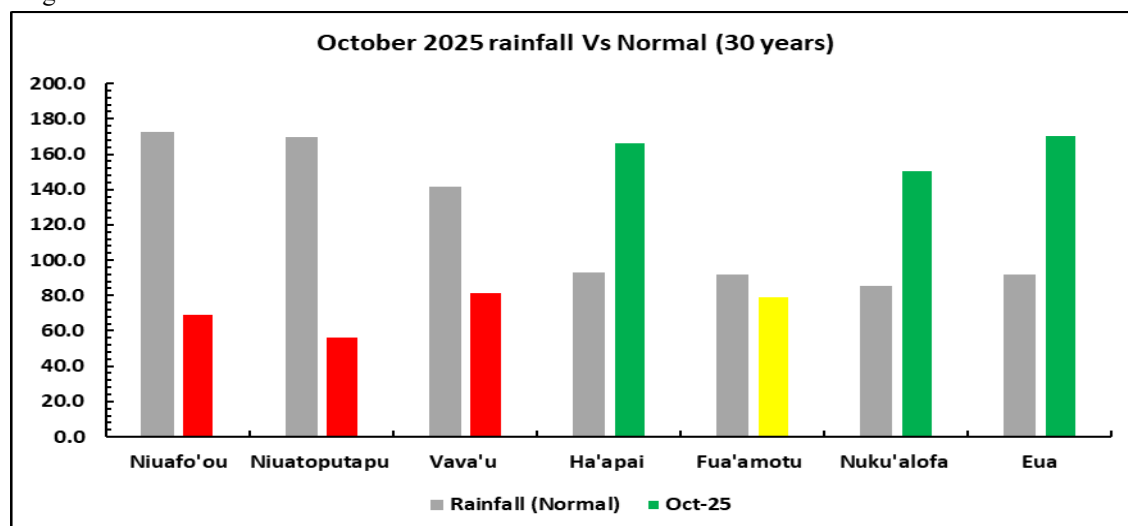
Recent - October 2025

- Average to above average rainfall was received in Ha'apai, Tongatapu and 'Eua while below average rainfall was received across Vava'u and the Niuas. Refer to Table 1 & graph below.
- The highest 24 hour rainfall was 118.5mm recorded at Ha'ano Automatic Weather Station (AWS) in Ha'apai islands on the 6th.
- The mean air temperature was 24.1°C which was 0.5°C cooler than average.
- Highest maximum temperature was 33.2°C recorded at Nomuka on the 25th.
- Lowest minimum temperature was 13.3°C recorded at Hango, 'Eua on the 1st.

Table 1.

Rainfall totals (mm) for the last six months, May to October 2025						
	May	June	July	August	September	October
Niufo'ou	n/a	n/a	57.0	67.5	112.5	69.5
Nuatoputapu	350.9	141.6	72.0	7.0	102.3	56.5
Vava'u	305.2	284.6	127.1	19.6	112.3	81.1
Ha'apai	329.5	126.6	77.4	59.8	65.1	166.5
Fua'amotu	268.6	69.2	83.6	225.2	20.3	79.7
Nuku'alofa	187.0	57.0	54.0	208.5	37.0	151.0
'Eua	251.0	120.7	82.1	214.0	50.4	171.0
Below normal		Normal (usual)			Above normal	

Figure 1.



Temperatures & Rainfall for the main islands for the last 13 months

Relevance to sectors:

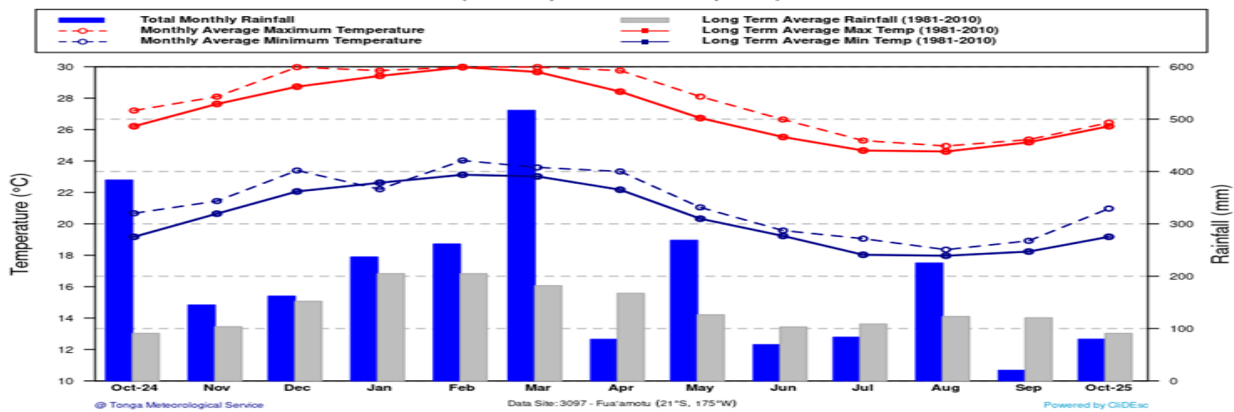


- Conditions has been good in terms of rainfall in 'Eua and Tongatapu and most of Ha'apai islands. Below average rainfall in Vava'u and the Niuas in October means preventive measures should be practiced where need- ed especially wise use of water etc.

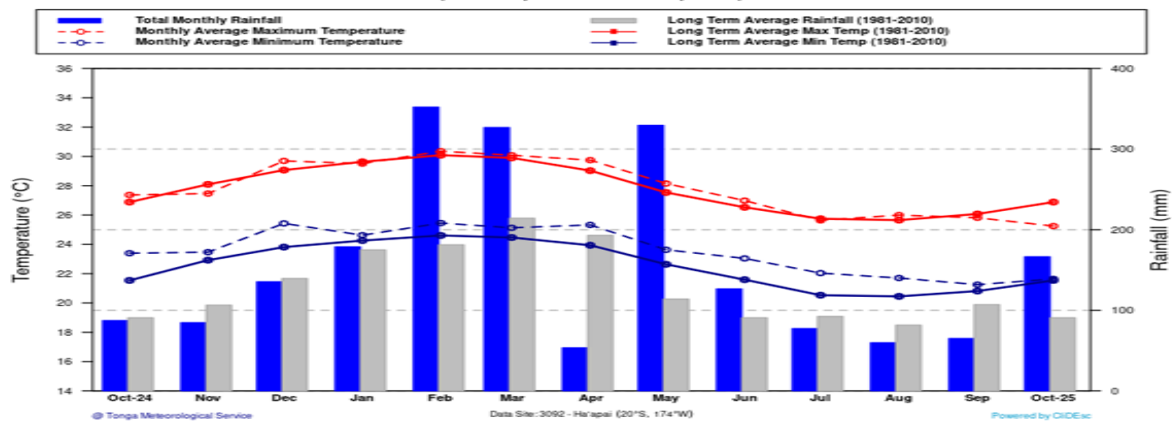


- Soils made a bit dry in some places in the northern Tonga (Va'va'u and the Niuas). Public are advised to please take precaution measures of the dry conditions especially in the plantation and livestock.

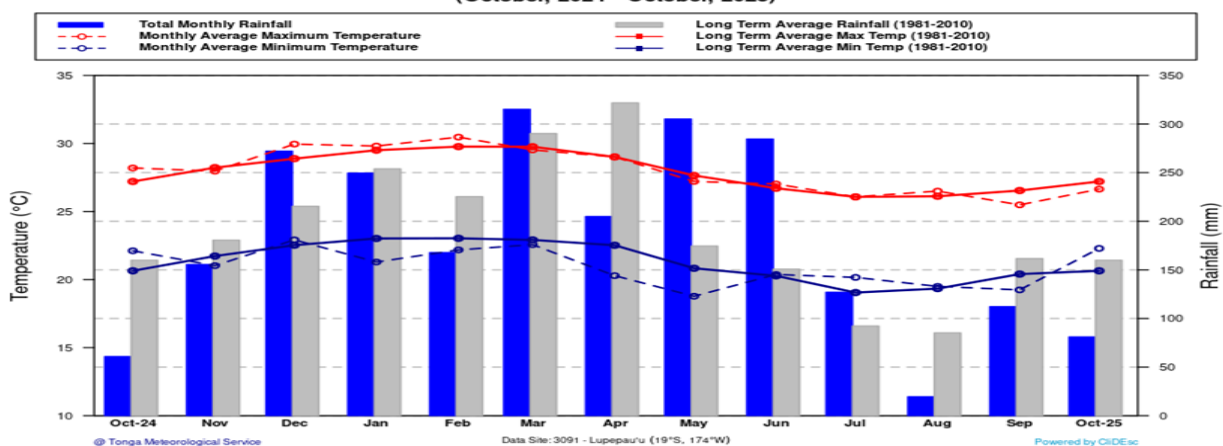
Fua'amotu (3097) - Temperature & Rainfall for the last 13 Months
(October, 2024 - October, 2025)



Ha'apai (3092) - Temperature & Rainfall for the last 13 Months
(October, 2024 - October, 2025)



Lupepau'u (3091) - Temperature & Rainfall for the last 13 Months
(October, 2024 - October, 2025)

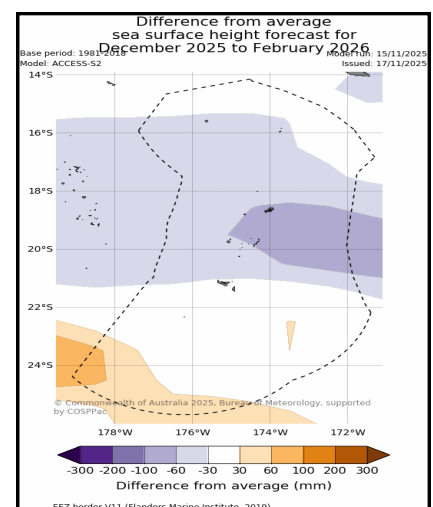
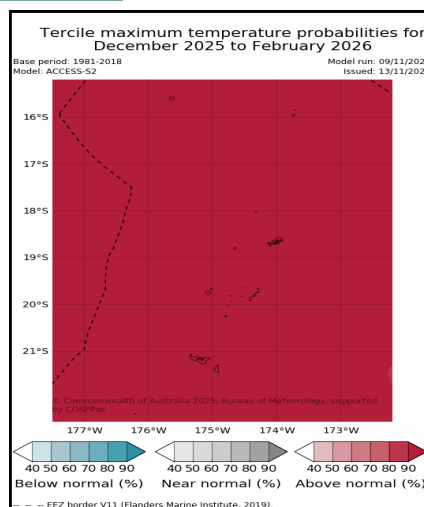
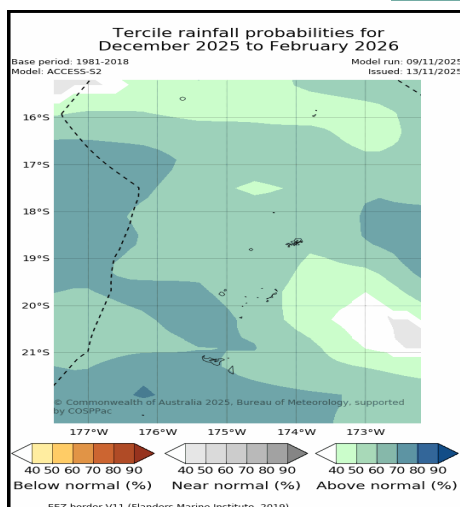


Climate outlook for December 2025 to February 2026

- The Wet Season and also known as the Cyclone Season started on the First of November 2025 until the end of April 2026.
- The rainfall outlook generally indicates above normal to be most likely for the forecast period.
- Warmer than average maximum air temperature across the country.
- The outlook shows above normal Sea Surface Temperature (SST).
- The El Niño–Southern Oscillation (ENSO) remains neutral but there are signs La Nina maybe developing

Table 2. Rainfall Outlook, December 2025—February

Location	Rainfall Outlook December 2025 — February 2026		% Chance (This is the % chance that this outlook will occur).
Niuafo'ou	Above normal	709 mm – 951mm	40 - 50
Niutoputapu	Above normal	647mm – 916mm	40 - 50
Vava'u	Above normal	632mm – 912mm	50 - 60
Ha'apai	Above normal	435mm – 675mm	50 - 60
Fua'amotu	Above normal	488mm – 814mm	60 - 70
Nuku'alofa	Above normal	456mm – 731mm	60 - 70
'Eua	Above normal	488mm – 814mm	60 - 70



Traditional knowledge indicators for Tropical Cyclone forecasting.

- Fruit trees unusually bearing plenty of fruits especially mangoes and breadfruit indicates alert people of a possible cyclone to happen that year. Currently, fruits are hardly bearing fruits.
- Bees nesting lower near the ground and inside empty cococut shells to hide from cyclones. Currently, bees are seen to nest in the open, meaning no sign of cyclone yet.
- Spiders normally nest in closed areas where it is safe, as seen now spiders are making their web in the open meaning no sign yet of a coming cyclone.
- Young shoots of banana leaves bending is a sign to alert people of a possible cyclone. This sign is not seen yet.
- Frigate birds hunting inland but it is not normal for them to come inland, this is a sign that usually alert people of a possible cyclone. We have not seen flock of frigate birds inland these days.
- When flowers start to bloom especially the indigenous flowers then it is a sign that warm weather is Approaching.
- Cockroaches are seen flying in the house is a sign that rain is coming soon.

Tongan Calendar and traditional knowledge:

Parts of ‘O’oamofangongo, Lihamu’a, Lihamui, Vaimu’a, Vaimui (Last half of November to February)

This is the season of warm weather, plants start to produce buds and flowers and fruits. Beginning of the rainy season most welcomed by farmers but latter half of the season when winds and rain are too much then it becomes problematic to farmers when strong winds and too much rain can cause damage to plantation.

Tonga Lunar Calendar 2025

Lunar 2025	First quarter Moon	Full moon	Third quarter moon	New moon	First quarter moon
January	7	14	22	30	
February	5	13	21	28	
March	7	14	23	30	
April	5	13	21	28	
May	5	13	21	27	
June	3	11	19	25	
July	3	11	18	25	
August	2	9	16	23	31
September		8	14	22	30
October		7	14	22	30
November		6	12	20	28
December		5	12	20	28

Note:

The Wet Season started on 1st November 2025 and will last till end of April 2026. It is also called the Cyclone Season. On average, during this period Tonga receive average to above average rainfall.

According to the current status, the previous 3 months rainfall and rainfall outlook (Refer Table1), it is advised to collect water when it rains and use it wisely, this goes to all of Tonga islands. Below average rainfall still exist in islands of Vava’u and the Niua in October. Therefore, the public are advised to ensure that you stay alert at all times and get the latest weather forecast and warnings from the Met service. It is also advisable to seek advice from relevant authorities of sensitive sectors, e.g. Agriculture, Water, Health and the National Disaster Risk Management Office (NDRMO) on the best practices to save lives and property and minimize the effects of natural disaster.

The next Climate update will be issued second week of December 2025 or earlier

Disclaimer:

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