Tuvalu Agro-Climate Outlook

December 2026 to February 2027

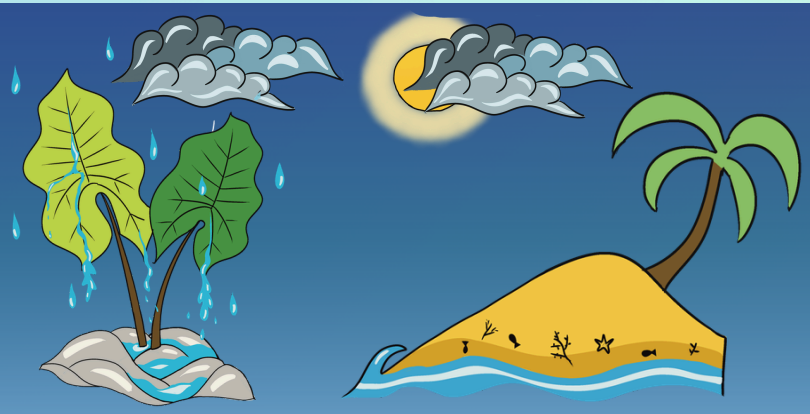
Issued Date:16/11/2026

Tuvalu Meteorological Service

Department of Agriculture

NORTHERN GROUP

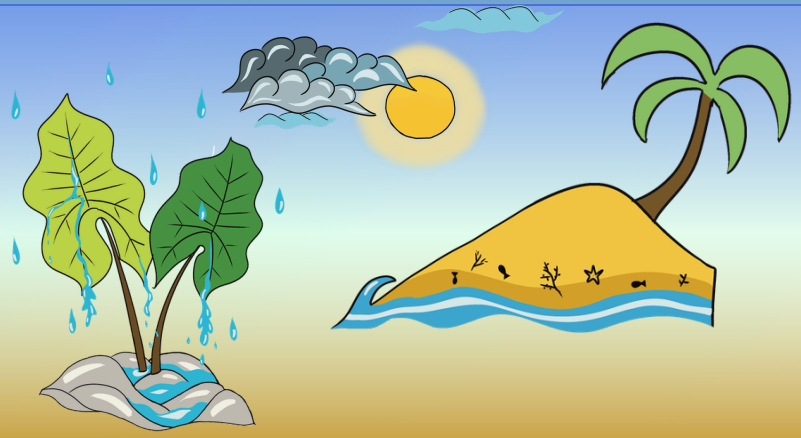
Nanumea
Nanumaga
Niutao



- Very Wetter than normal
- Cloudier than normal
- Lower than average sea level

Central Group

Nui
Vaitupu
Nukufetau



- Wetter than normal
- Cloudier than normal
- Lower than average sea level

SOUTHERN GROUP

Funafuti
Nukulaelae
Niulakita



- Drier than normal
- Sunnier than normal
- Lower than average sea level

Tuvalu Agro-Climate Outlook

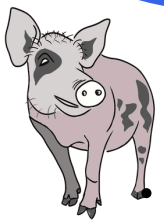
December 2026 to February 2027

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NORTHERN GROUP

Nanumea
Nanumaga
Niutao



Livestock advice

- Improve drainage around animal housing
- Increase frequency of pen cleaning and parasite control
- Monitor animal health and body condition

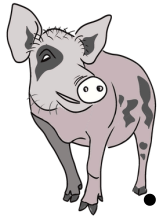


Crop advice

- Sow leafy greens and suitable wet-season crops
- Maintain spacing for airflow around plants

CENTRAL GROUP

Nui
Vaitupu
Nukufetau



Livestock advice

- Continue regular livestock maintenance

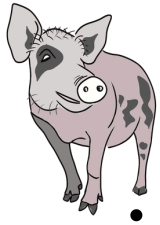


Crop advice

- Continue regular crop maintenance

SOUTHERN GROUP

Funafuti
Nukulaelae
Niulakita



Livestock advice

- Increase water availability for livestock to access
- Use coconut frond shelters or trees for cooling



Crop advice

- Set up bottle irrigation, wicking beds, or food-cube watering systems
- Mulch heavily to reduce evaporation

Advisory is forecast-based guidance only. Contact Tuvalu Meteorological Service , Department of Agriculture, or your local extension officer for further information

Tuvalu Met Service advisory Outlook for December 2026 to February 2027



Rainfall

- **Northern group** rainfall predicts between 600-800mm. The historical average rainfall for December to February is 296.4mm.
- **Central group** rainfall between 500-800mm. The historical average rainfall for December to February is 272.9mm. Funafuti rainfall between 300-600mm. The average rainfall for December to February is 389.6mm.
- **Southern group** rainfall between 300-500mm. The historical average rainfall for December to February 262.5mm.
- December to February forecast is very wetter than normal for the northern group, wetter than normal for the central group and drier than normal for the southern group. The chance of rainfall outlook being correct is low to good for the central and southern group, and good to very good for the northern group.



Cloudiness

Increase of the cloud cover is very likely for the Northern group and likely for the central group. Decreased of the cloud covers is very likely for the southern group for the month of December to February over Tuvalu.



Moon phase

New Moon: 9th December, 8th January 2027 and 7th February 2027
First quarter moon: 17th December, 16th January 2027 and 14th February 2027
Full moon: 24th December, 23rd January 2027 and 21st February 2027
Last quarter moon: 1st December, 29th January 2027 and 28th February 2027



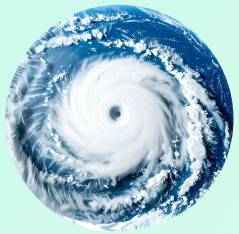
Daytime (maximum) and night-time (minimum) air temperature

Hotter than normal conditions likely in December to February (daytime average 31.0°C, night-time average 25.5°C).
The chance of these outlooks being correct is good.



Sea level

The highest and lowest tide during full moon will occur on 24th December, 23rd January 2027 and 21st February 2027
The highest and lowest tide during new moon will occur on 9th December, 8th January 2027 and 7th February 2027
(Severe weather or Tropical Cyclones may impact the sea level)
Sea surface height (difference from the average) for Nanumea to Niulakita are forecast to be between -30 to -300 mm, lower than the average.



Tropical cyclones

The El Niño–Southern Oscillation (ENSO) is currently at El Niño status, with approximately 100% of the climate models indicating El Niño conditions will continue through the rest of 2026 to Mid year 2027.
The probability of a Tropical Cyclone occurrence during our Wet season from November 2026 to April 2027 is estimated to be Zero to One
Zero to One named Tropical Cyclone is likely to pass through Tuvalu Exclusive Economic this period
The tropical Pacific Sea Surface Temperatures (SST's) continue ElNiño threshold. This is expected to result in above-normal rainfall for Tuvalu.

Links to weather information

- **Tide Calendar is available here**: for sea level prediction and moon phase.
- REAL TIME DATA DISPLAY: for current sea level, wind and weather information

TMS contacts information

Facebook Page: Tuvalu Meteorological Service
Website: tuvmet.tv
TMS Email: tuvalumet@gov.tv, tkatea@gov.tv