



Maldives Monthly Climate Outlook

For November 2025

Summary

Rainfall is likely to be below-normal across the country. Maximum and minimum temperatures are expected to be above-normal over the country.

Introduction

This consensus outlook on rainfall and temperature for the Maldives has been prepared through assessments of the prevailing and prediction of global climate conditions, and seasonal forecasts from different climate models including WMO Lead Centre for Long-Range Forecast Multi-Model Ensemble (LC-LRFMME), North American Multi-Model Ensemble (NMME), multi-model ensemble climate prediction of RIMES, Rainfall and temperature outlook for south Asia, monthly climate anomalies and monthly forecasts of European Centre for Medium-Range Weather Forecasts (ECMWF).

Status and expected condition of major climate drivers.

Currently La Niña conditions are present. Equatorial sea surface temperatures (SSTs) are mostly below average across most of the Pacific Ocean. Atmospheric anomalies over the tropical Pacific Ocean are consistent with La Niña. La Niña conditions are present and favored to persist through December 2025 - February 2026, with a transition to ENSO-neutral likely in January-March 2026 (55% chance).

The Indian Ocean Dipole (IOD) is currently negative, with the latest index value at -1.61°C . The negative IOD event is expected to continue until end of November before returning to neutral in early December.

The Madden-Julian Oscillation (MJO) is currently at moderate strength in the western Pacific Ocean. Most forecasts from models suggest the MJO is likely to become weak or indiscernible over the coming fortnight.

Calibration of climate models

The Climate Predictability Tool (CPT) was used to downscale global model outputs to a local scale. The assessed precipitation models indicate, moderately drier than normal condition throughout the Maldives.





Global Producing Centers and WMO Lead Centre Forecasts

The Probabilistic Multi-Model Ensemble from the WMO LC-LRFMME for November indicates a higher probability of below-normal rainfall across the country. The temperature outlook shows a higher probability for above-normal temperatures across the country.

Temperature and Rainfall Climatology over the Maldives during November

- Temperature

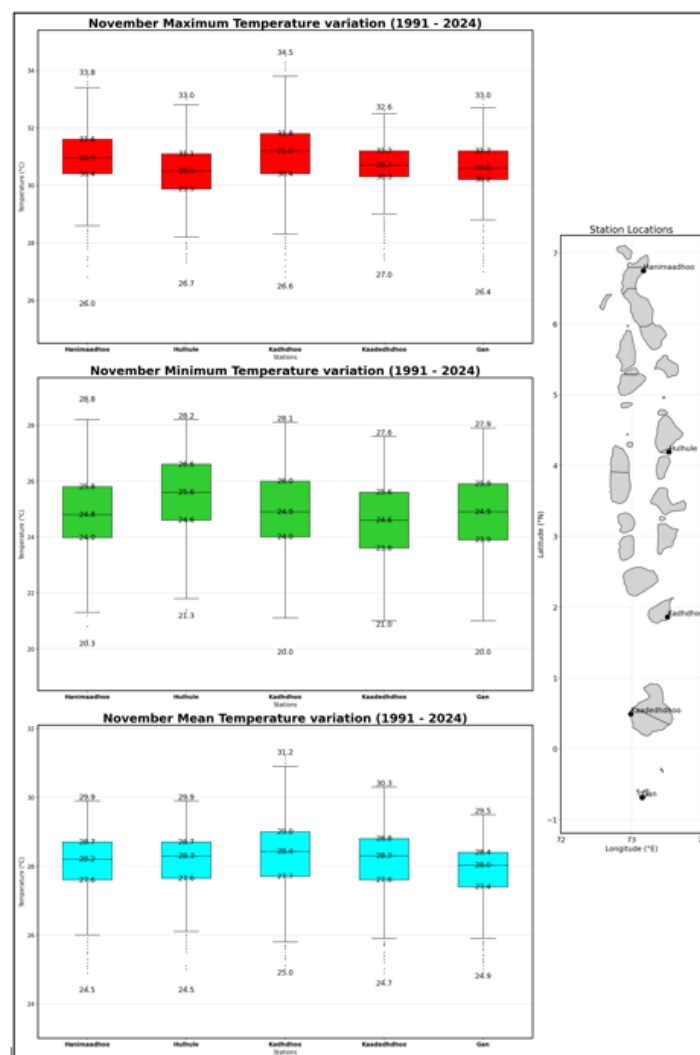


Figure 1 The image presents the distribution of daily maximum, minimum and mean temperatures recorded at five meteorological stations for the period 1991 – 2024. The small map on the right highlights the geographical location of these stations. The distribution of temperature shows maximum temperatures between 32.6°C and 33.0°C with highest maximum temperature of 34.5°C in Kadhdhoo area. Minimum temperatures between 23.6°C and 24.6°C with lowest minimum of 23.6°C at Kaadhdhoo area. Mean temperatures between 27.4°C and 29.0°C with highest mean temperature of 31.2°C at Kadhdhoo area.



- Rainfall

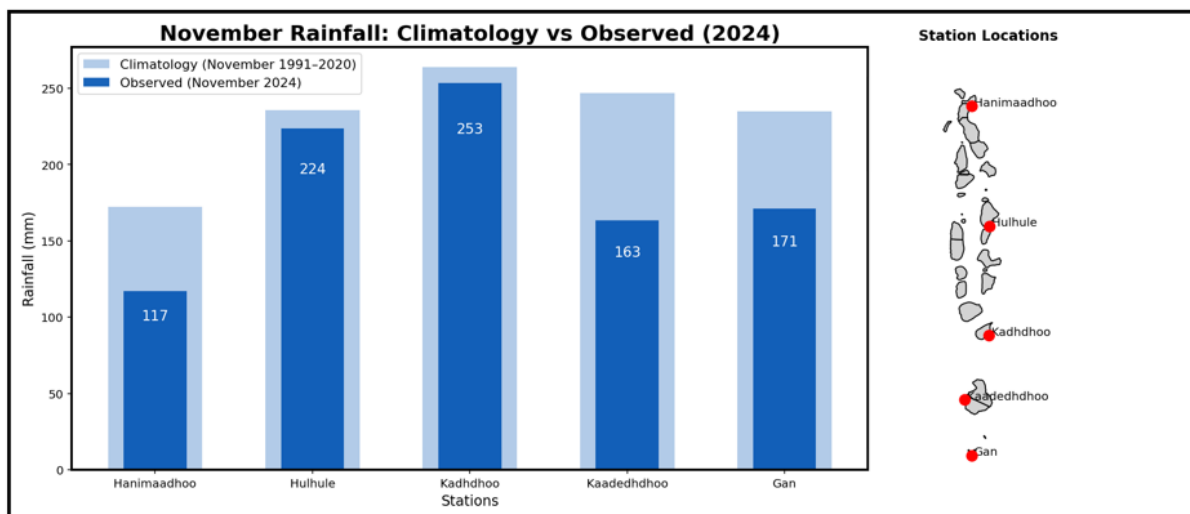


Figure 2 The image presents the comparison of November rainfall climatology for the period 1991-2020 with observed rainfall in November 2024 for five stations across Maldives and the map on the right side, highlights the geographical locations of the rainfall stations. The light-colored bars represent the long-term climatology and darker bars show rainfall observed in November 2024, with values labeled on each bar. Hulhule and Kadhdhoo received normal rainfall than climate mean, while other stations received lower than the climatological average.

Conclusion

Considering the expected conditions of climate drivers, and seasonal prediction from global and regional centers, rainfall is likely to be below-normal across all areas of Maldives. Maximum temperatures are expected to be above-normal and minimum temperatures are also expected to be above-normal throughout the country.

Note:

Normal: Amount of rainfall between 90% - 110% of the average for the period.

Above normal: Amount of rainfall more than 110% of the average for the period.

Below Normal: Amount of rainfall less than 90% of the average for the period