



CLIMATE SUMMARY FOR GITEGA - NOVEMBER 2024

1. DAILY TIME SERIES

1.1. Maximum, Average and minimum daily temperature

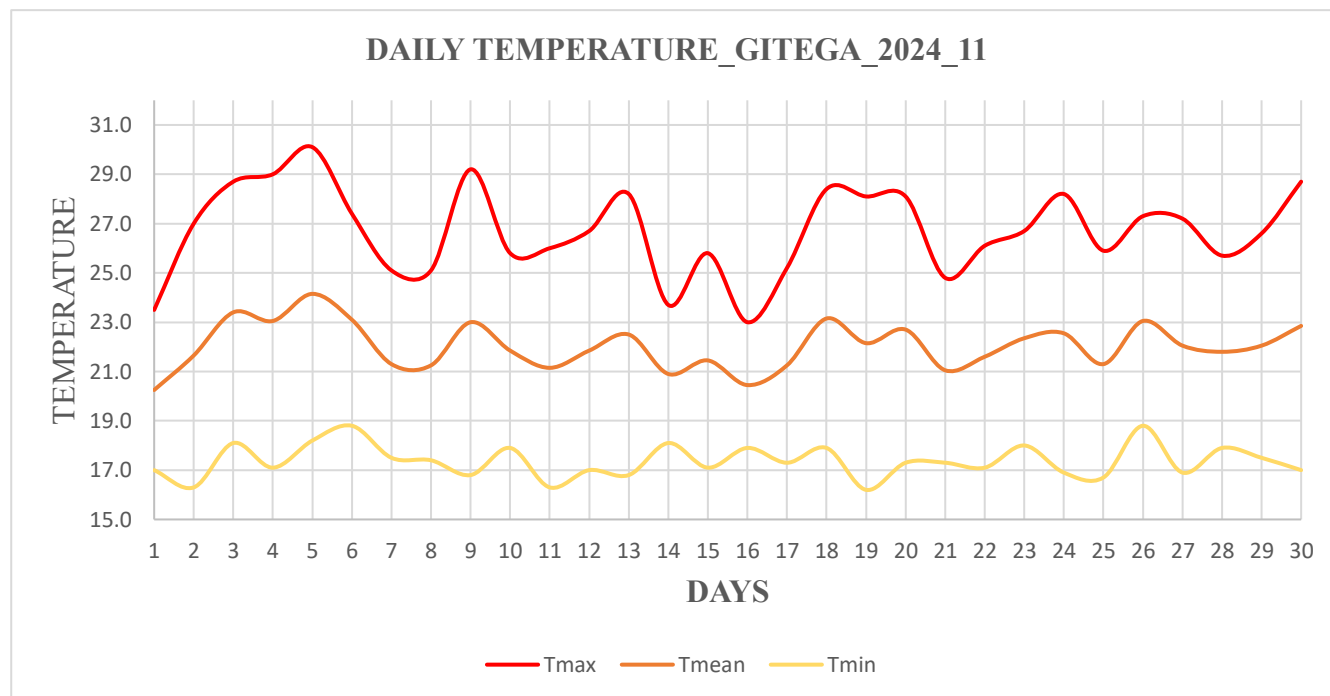


Figure 1: Tmax, Tmean and Tmin.

In November 2024, Gitega station experienced diverse weather conditions, with temperatures oscillating between warm and cool days. Throughout the month, 15 days had average temperatures lower than the overall monthly mean of 22°C, while another 15 days also recorded averages below this benchmark.



1.2.Daily Precipitation

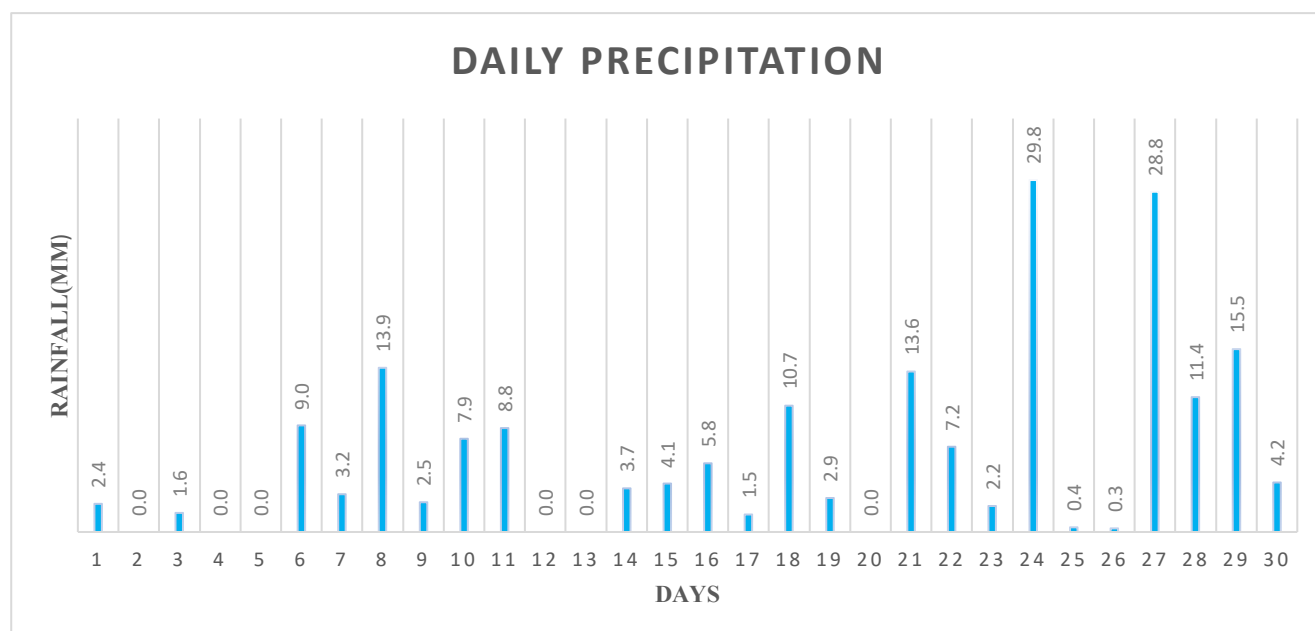


Figure 2: Rainfall

In November, rainfall was recorded almost daily, with only six days remaining dry. The third ten-day period experienced the highest rainfall compared to the others. Notably, on November 24, 2024, a substantial rainfall event of 29.8 mm was recorded.



Average Relative humidity

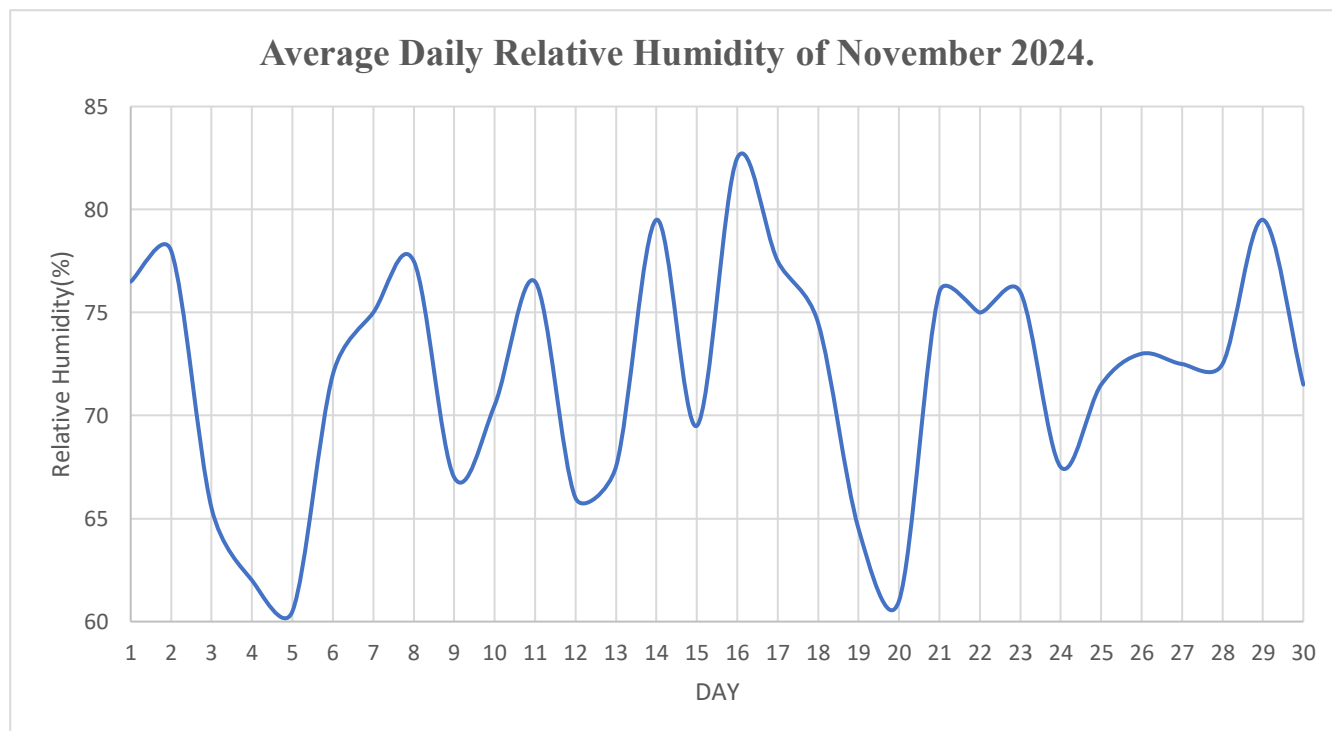


Figure 3: Average Relative humidity

In November, Gitega station experienced moderate relative humidity levels averaging 66%. During this month, 16 days we recorded humidity below the monthly average, while 15 days exceeded it



1.3.Sunshine hours

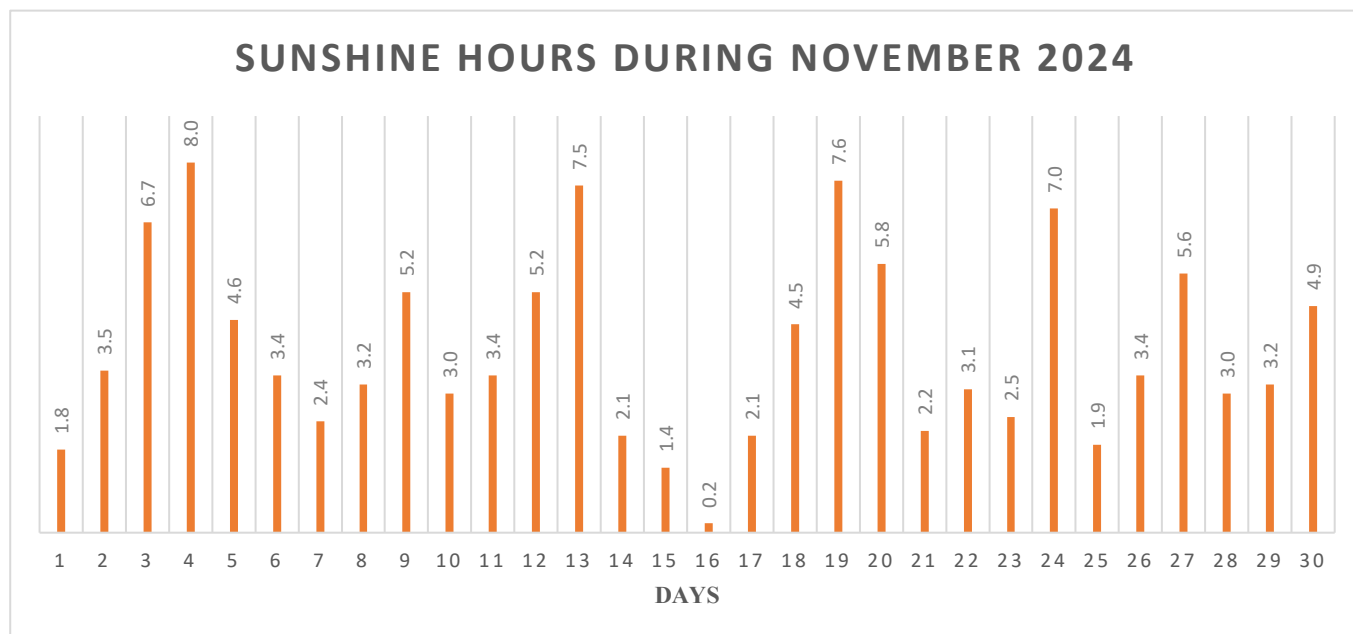


Figure 4: Sunshine hours

In November, the average daily sunshine duration was about 3 hours and 54 minutes, with mornings receiving more sunshine than afternoons. Notably, November 16 recorded the least sunshine, with only 12 minutes.



2. CLIMATE EXTREMES

Warmest day	05/11/2024	30.1⁰C
Coldest night	19/11/2024	16.2⁰C
Wettest day	24/11/2024	29.8mm
Sunniest day	04/11/2024	8 hours
Windy day	No automatic data available	N/A

Table 1: Climate Extremes



3. CLIMATE STATISTICS

3.1. Temperature

Parameters	Actual Temperature(°C)	Anomaly(°C) (1991-2020)	Rank		Series length (1983-2024)
			warmest	coldest	
Mean Maximum Temperature	26.7	+0.1	16	27	42
Mean Temperature	22.0	+0.7	4	39	42
Mean Minimum Temperature	17.4	+1.5	41	2	42

Table 2: Long-term temperature statistics.

3.2. Rainfall

Actual Rainfall	Average (%) (1991-2020)	Rank		Series length (1991-2024:2022 is excluded)
		Wettest	driest	
96.1 mm	- 0.4%	15	19	33

Table 3: Long-term rainfall statistics.



3.3.Sunshine

Actual sunshine hours	Average (%) (2010-2024)	Rank		Series length (2010-2024)
		Sunniest	Coldest	
118.4	+4.27%	6	6	11

Table 4:Long-term sunshine statistics

Note:

- From 2010 to 2024, seven years had missing sunshine hour's data of November. As a result, the average, anomaly, and rank have been calculated based only on the months with available data. As indicated in Table 4, only eleven years within the mentioned period recorded sunshine hour data for November.