

## Monthly Climatological Bulletin August 2023 in Tunisia

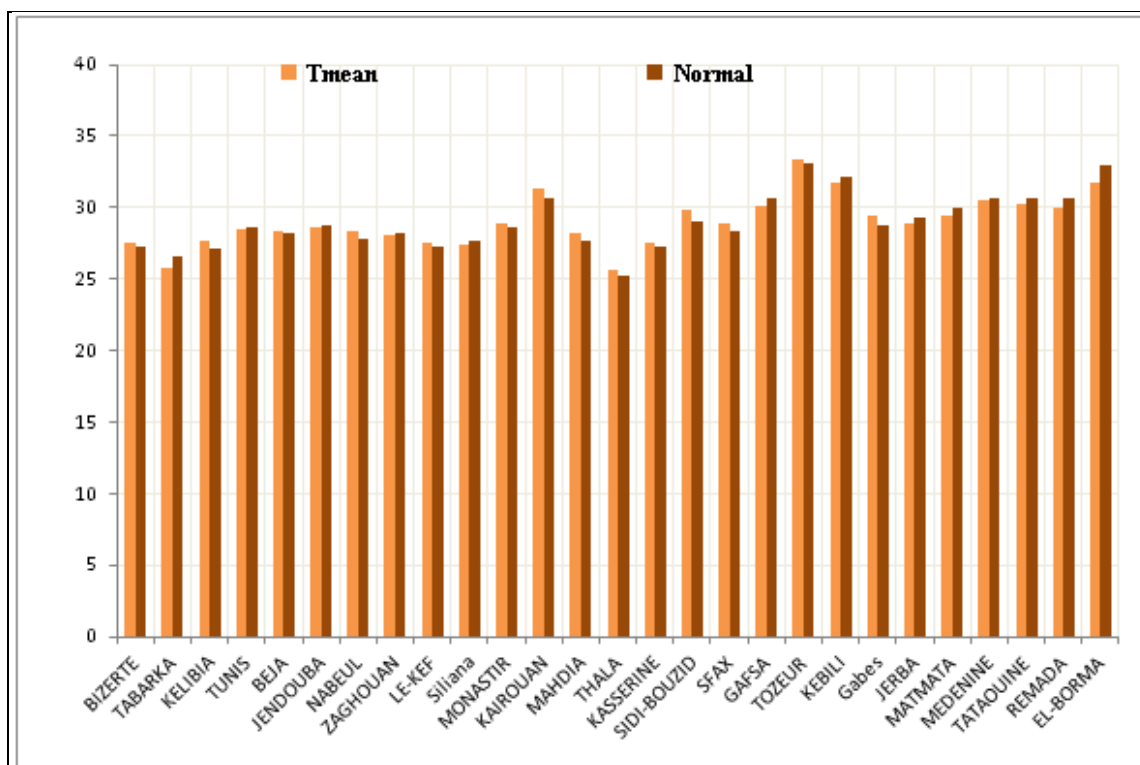
After the hottest July ever recorded on earth, the month of August was normal.

Unlike previous years, the national mean temperature in August reached 29°C, in line with the reference average. August 2021 was the hottest with an anomaly of +2.5°C and August 2022 was ranked the 5th hottest with an anomaly of +1.2°C.

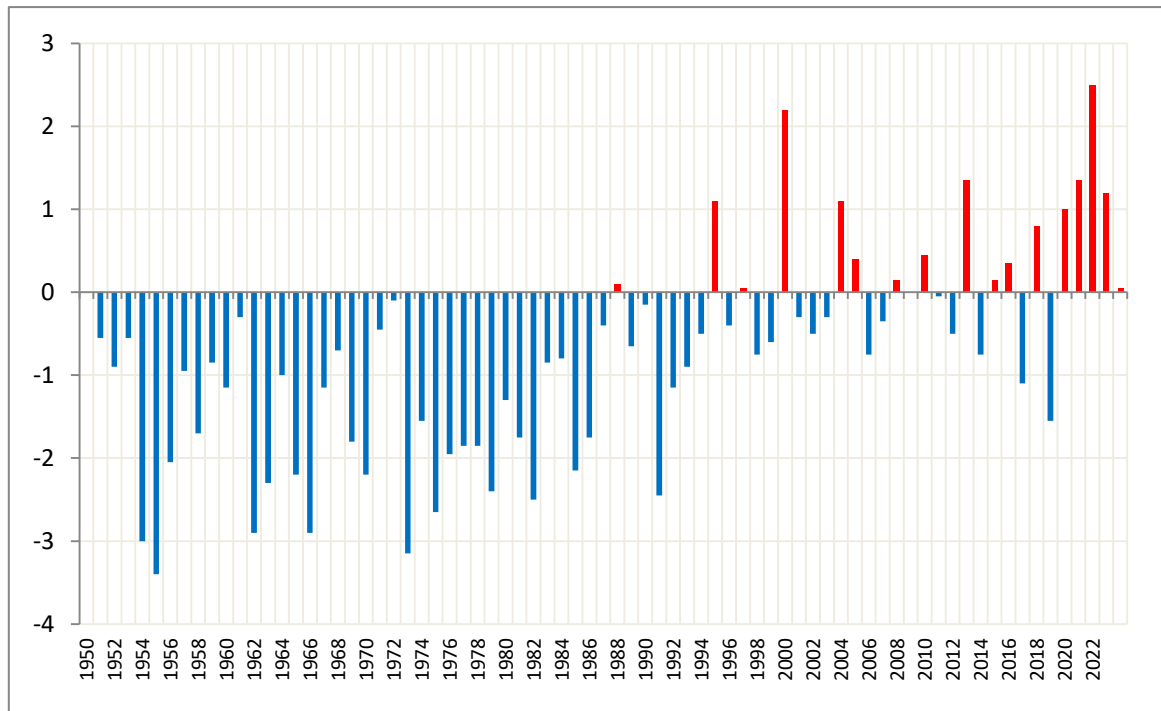
Concerning rainfall, the total balance for the month was 181.8 mm, while the normal for the same stations was 320.9 mm. The quantities of rain recorded during this month reached 56.7 % of the normal for the month of August (1991-2020).

### - Mean temperature :

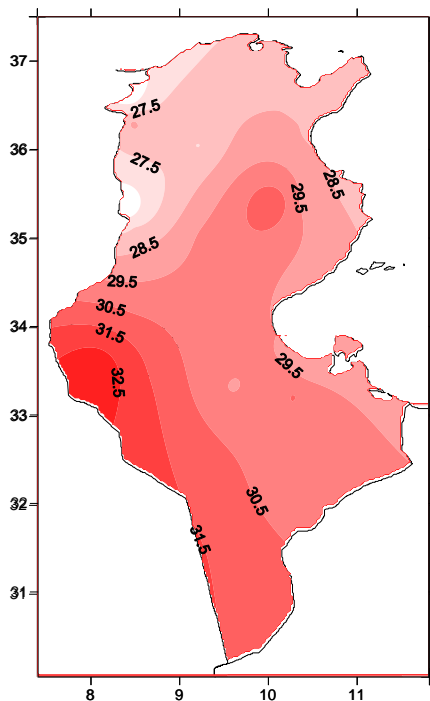
Average temperatures varied between 25.7°C in Thala and 33.4°C in Tozeur. As for the national average temperature (27 main stations), it reached 29°C, in line with the reference average (29°C).



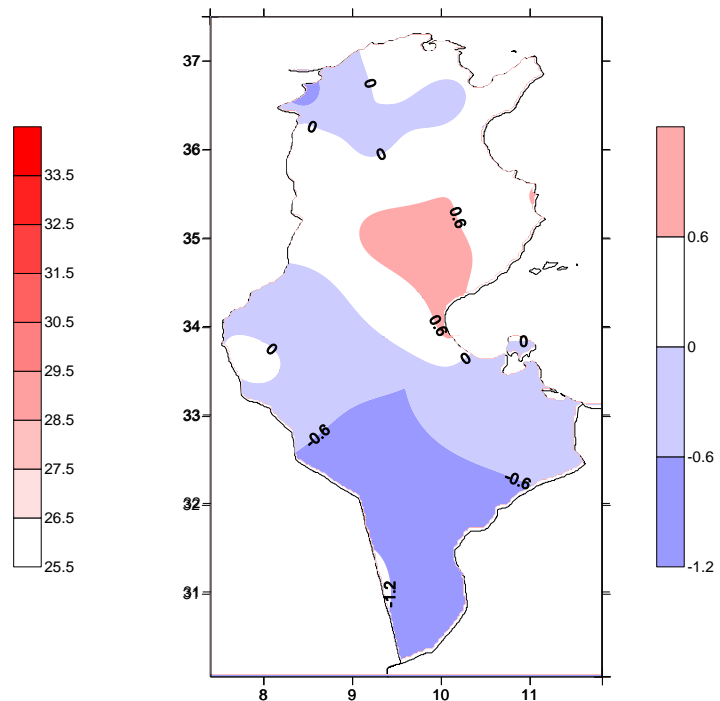
**Comparison of average temperatures to normal for the month of August**



**Deviation from normal (1991-2020) average temperatures  
since 1950: Month of August**

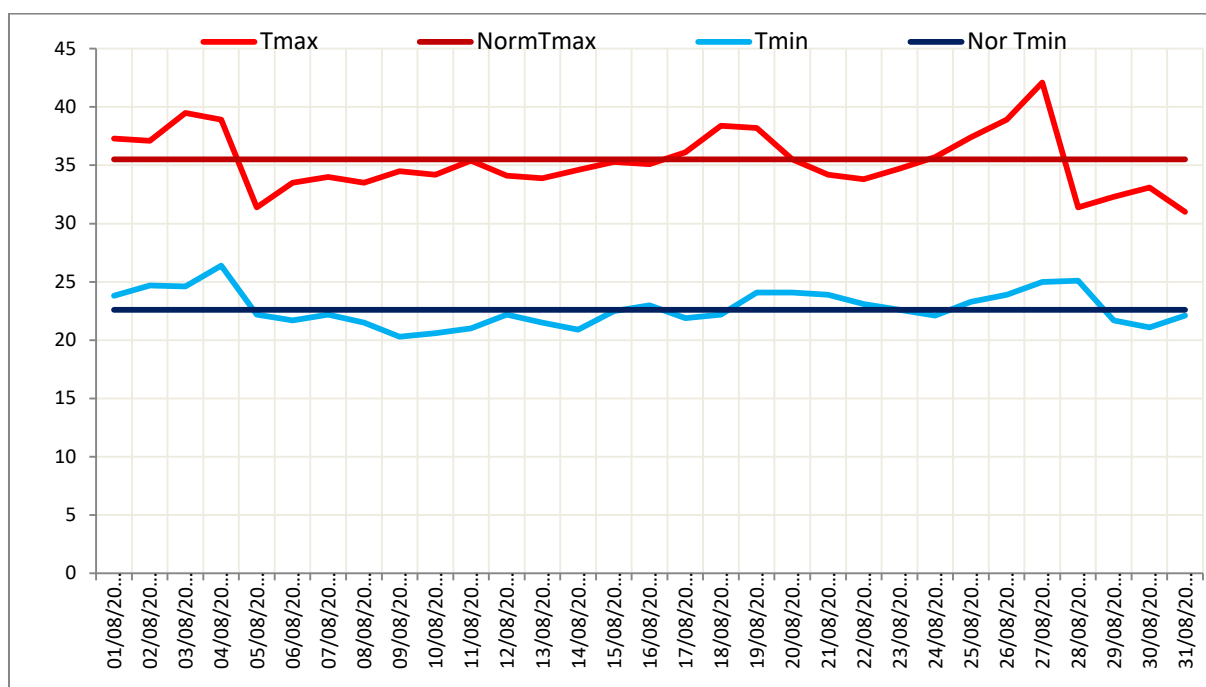


**Mean temperature Tmean**



**Deviation from normal of Tmean**

**- Evolution of daily temperatures :**

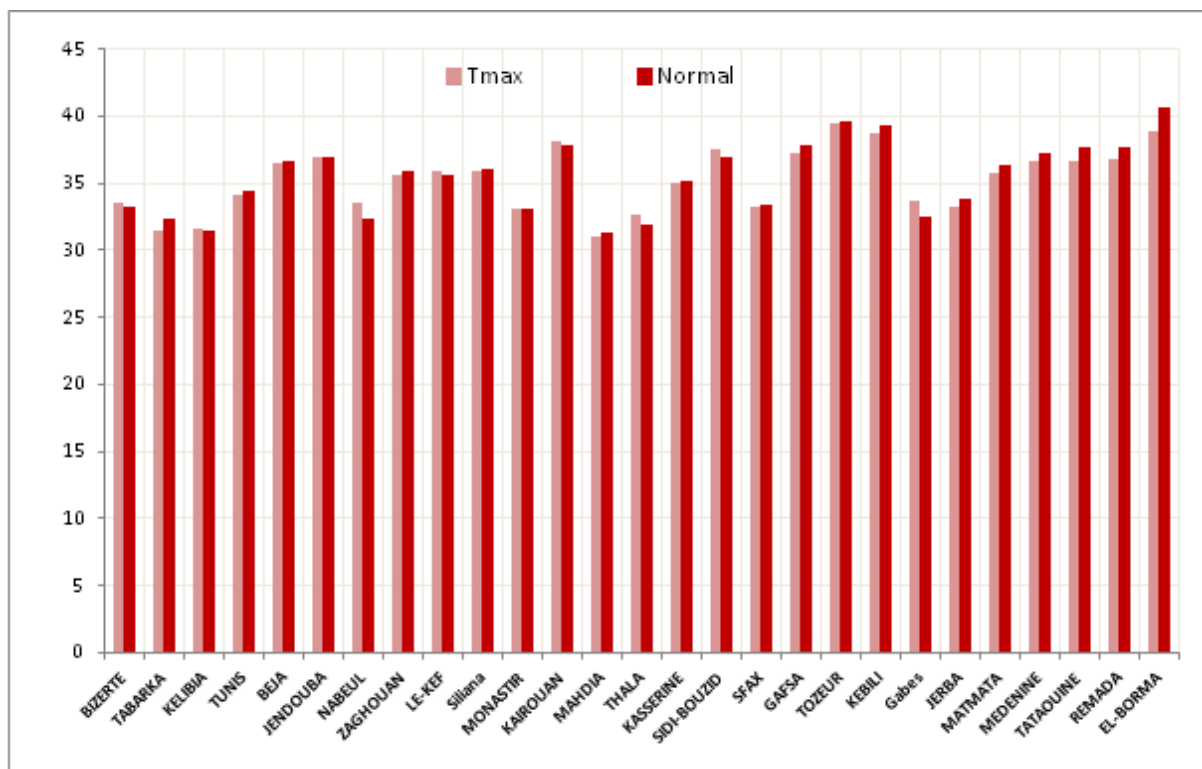


**Evolution of daily temperatures in Tunisia compared to the normal for the month of August**

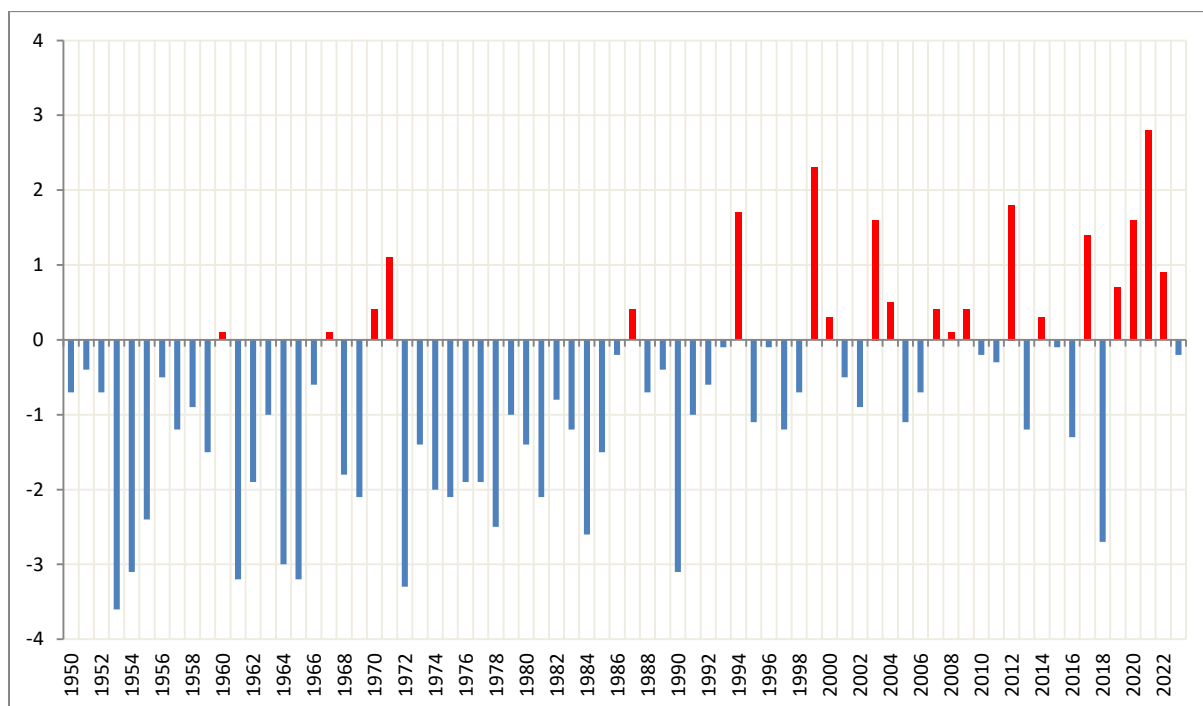
Continuing from the month of July, temperatures at the beginning of August were above normal. On August 5, maximum and minimum temperatures fell and remained below normal until the end of the month with the exception of a few hot days.

**- Maximum temperature :**

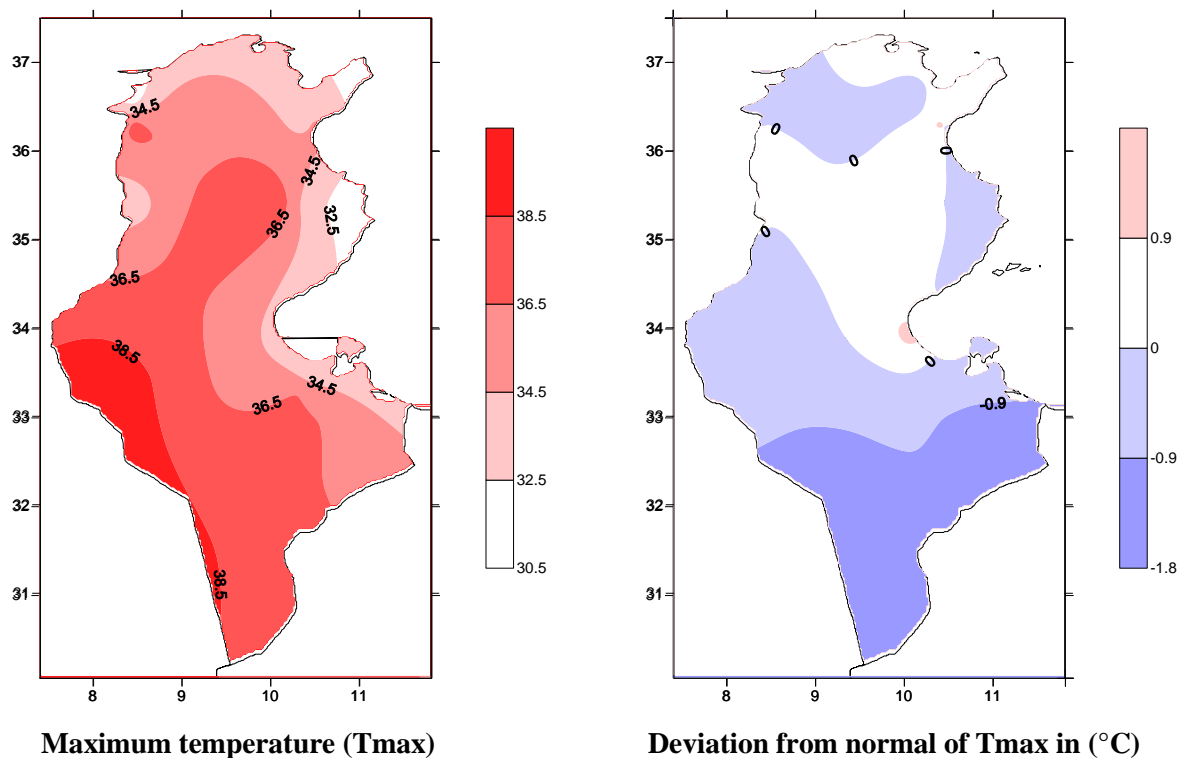
Average maximum temperatures varied between 31.1°C in Mahdia and 39.5°C in Tozeur and were below the reference averages in most regions. As for the national average maximum temperature (27 main stations), it reached 35.3 °C, lower than the reference average for the same stations (35.5 °C) with a difference of -0.2 °C.



**Comparison of maximum temperatures to normal for the month of August**

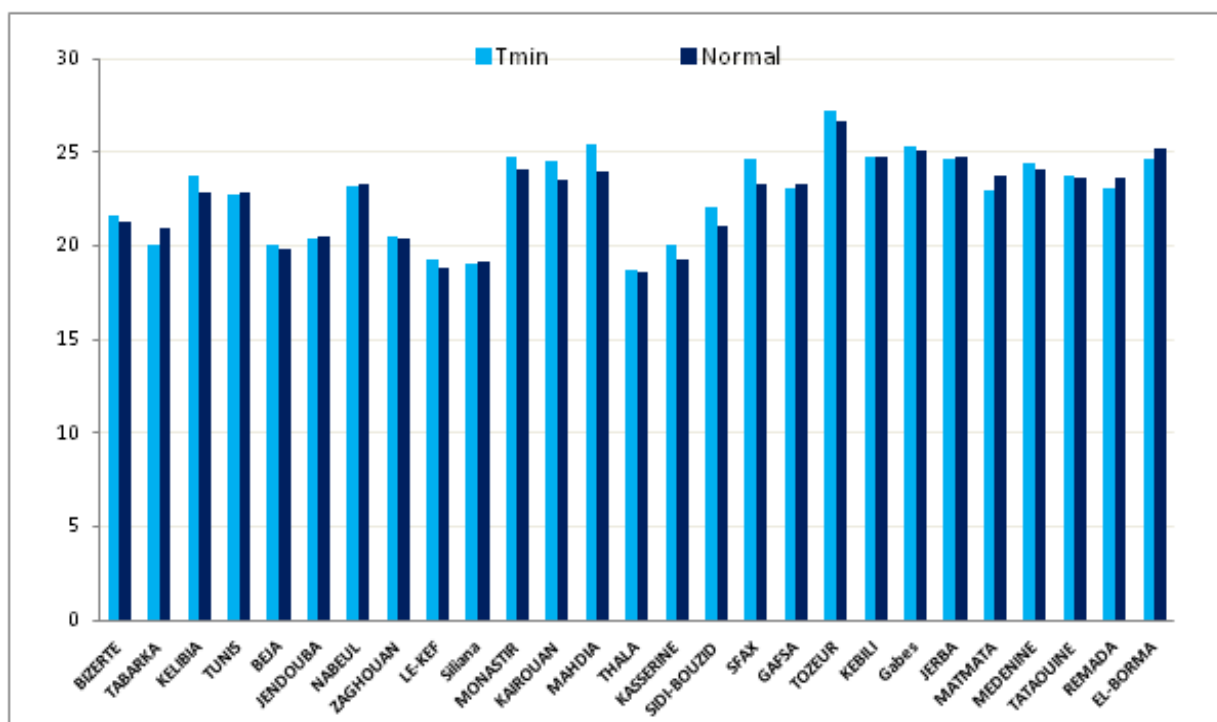


*The difference between the maximum temperatures of August from the reference rates (1991-2020) since 1950*

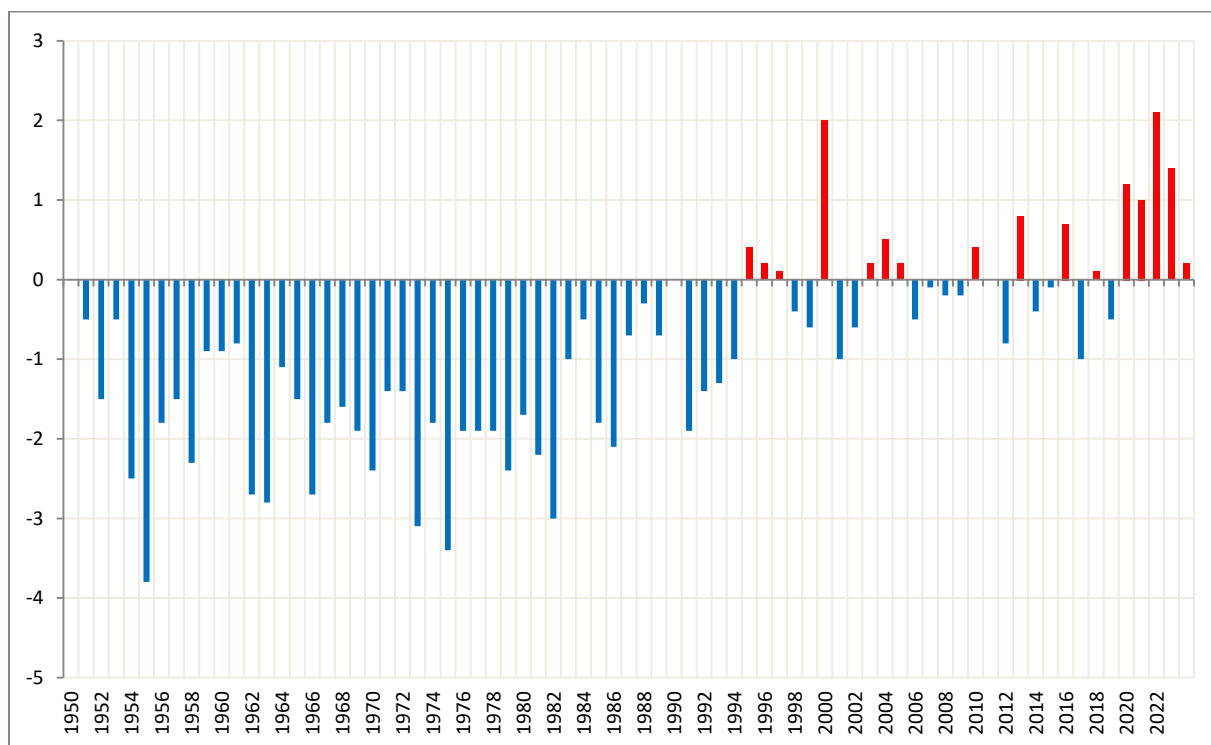


### - Minimum temperature :

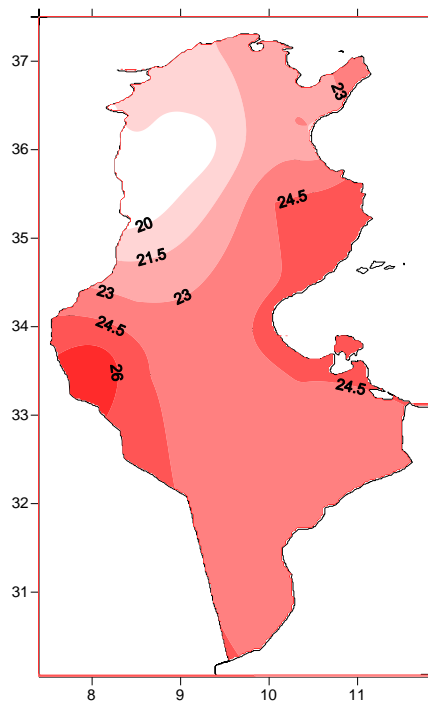
Minimum temperatures varied from 18.7 °C in Thala to 27.2 °C in Tozeur. As for the national average minimum temperature (27 main stations), it reached 22.8 °C, exceeding the reference average (22.6 °C) with a difference of +0.2 °C.



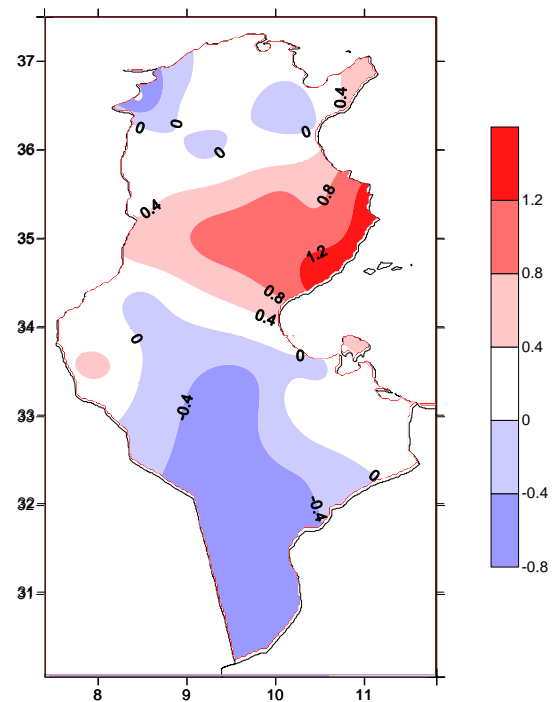
*Comparison of minimum and normal temperatures for the month of August*



*Deviation from the 1991-2020 normal of minimum temperatures  
since 1950: Month of August*



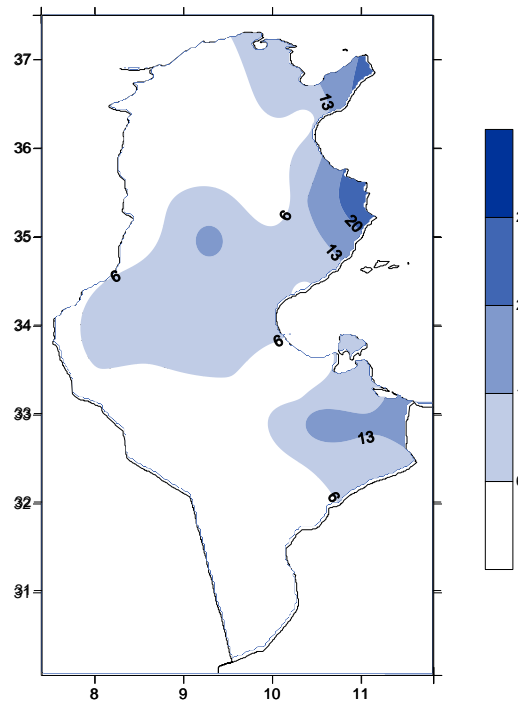
Minimum temperature (T min)



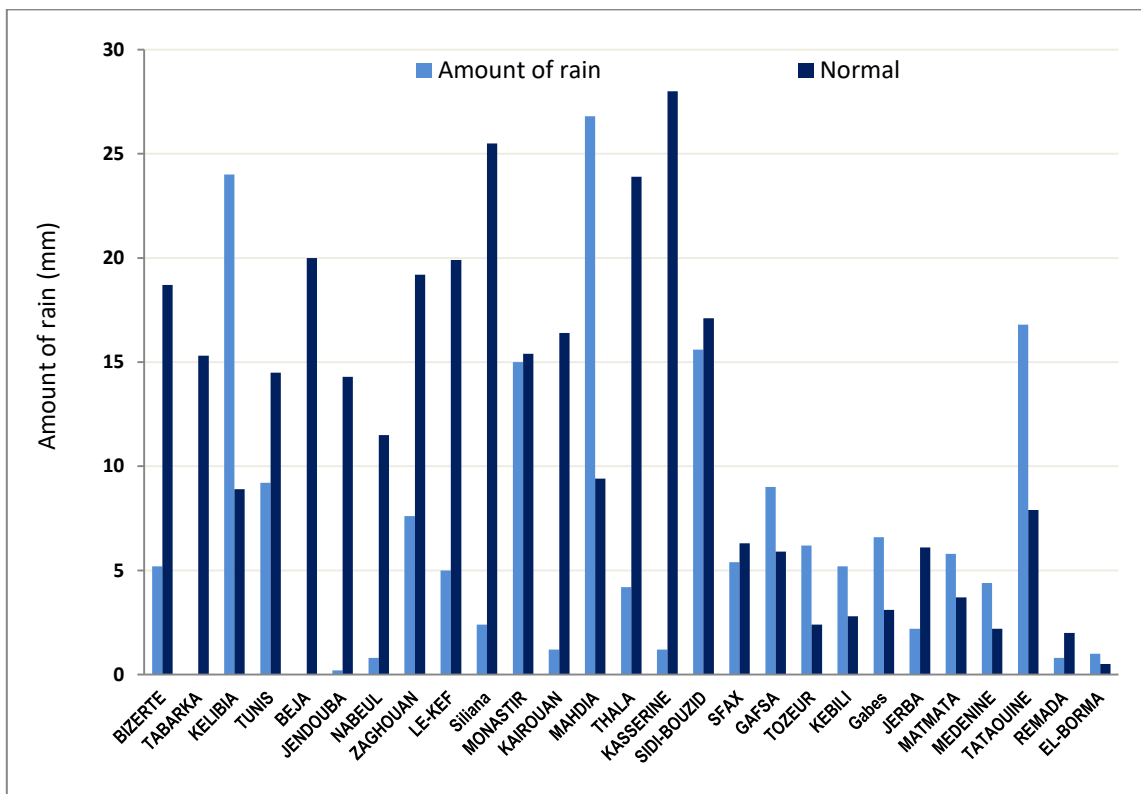
Deviation from normal of Tmin in (°C)

### -Rainfall:

The total balance for the month was 181.8 mm, while the normal for the same stations was 320.9 mm. The quantities of rain recorded during this month reached 56.7 % of the normal for the month of August. In most regions precipitation was poor. Some stations exceeded averages and were in surplus but with low quantities.

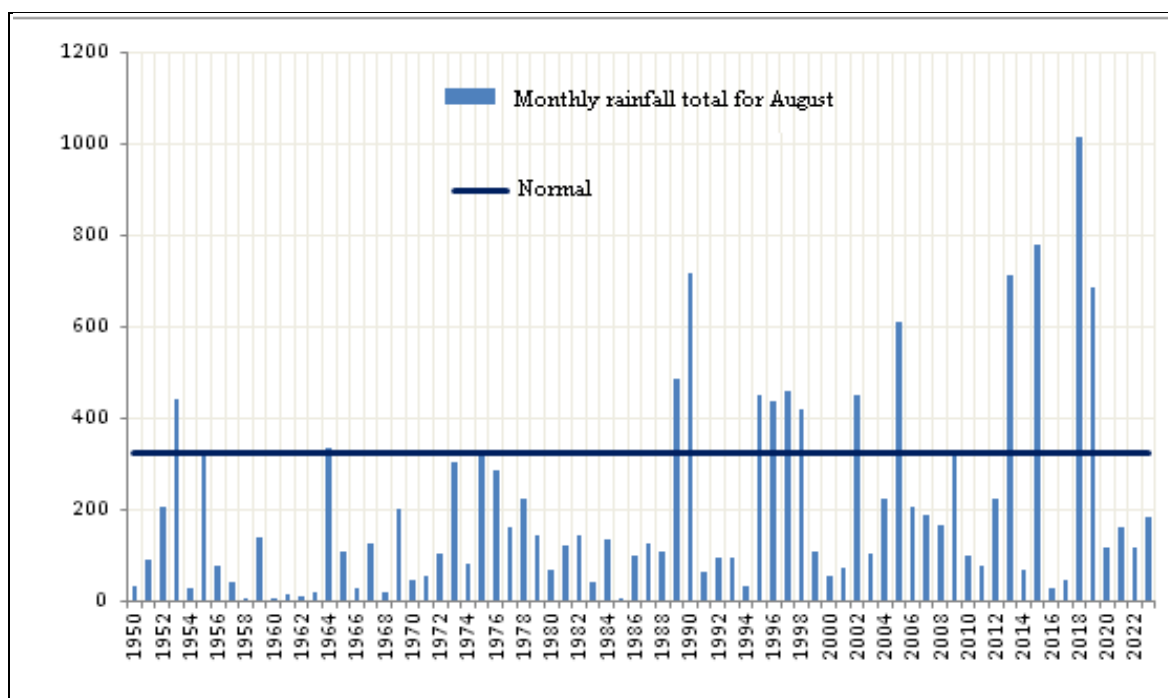


Cumulative monthly rainfall (mm)\_August 2023



Comparison of monthly rainfall totals with to the reference averages of the accumulations  
August 2023





**Total monthly precipitation since 1950 in Tunisia: Month of August**

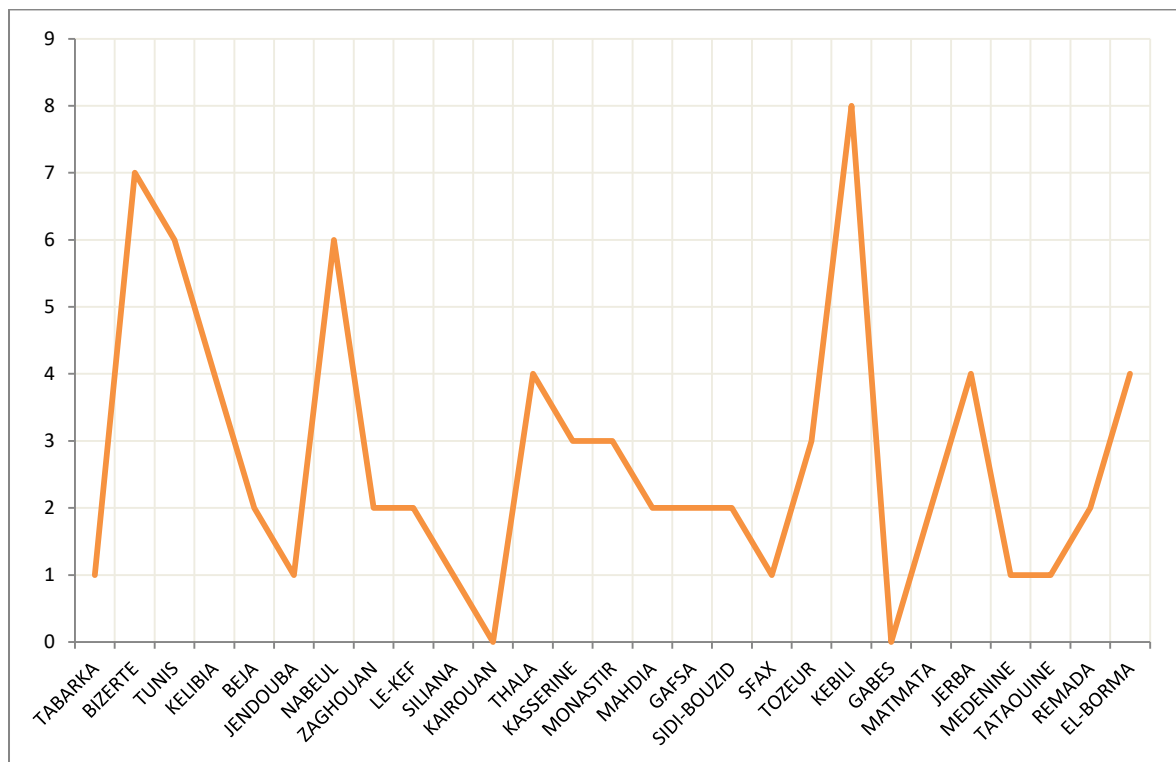
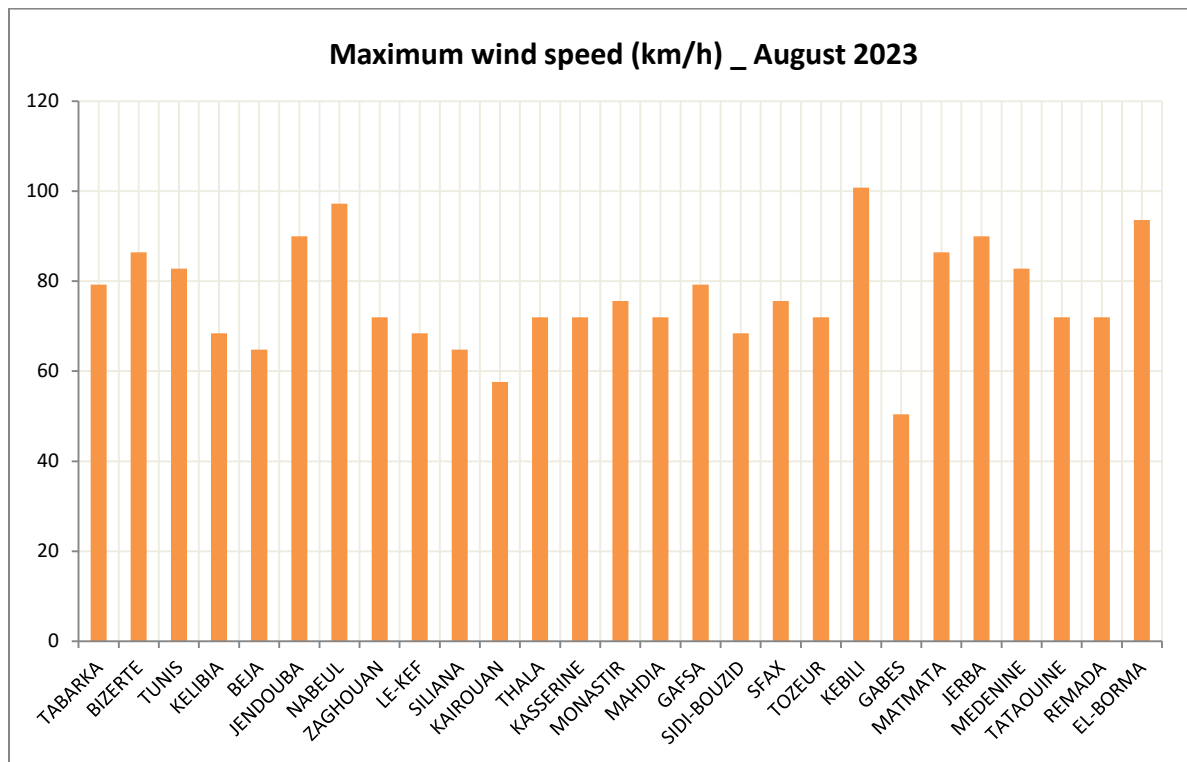
### - The winds:

As for the winds, they were generally weak to moderate, and their speed increased on August 4 and 5, 2023 in most areas, where their maximum speed varied from 54 km/h in Gabes town to 97 km/h in Nabeul and reached 101 km/h. /h in Kebili, and these winds caused sand phenomena in the south where horizontal visibility was reduced to less than 300 meters.

The winds were strong on August 22 and 23 in the central and southern regions, and their maximum speed varied from 68 km/h in Sidi Bouzid to 83 km/h in Medenine, and they locally caused dust and sand in the south, where horizontal visibility fell to less than 500 meters.

Winds were also strong on August 27 and 28 in the northern and central regions, and their maximum speed varied from 65 km/h in Beja and Siliana to 90 km/h in Jendouba.

The winds were also strong on August 31 in the central and southern regions, where their maximum speed varied from 68 km/h in Thala to 94 km/h in El Borma, and they caused dust and sand in the south, with a decrease in horizontal visibility to less than 1000 meters.



*Number of days with wind speed  $\geq 60$ km/h August 2023*