

Monthly Climatological Report July 2022 in Tunisia

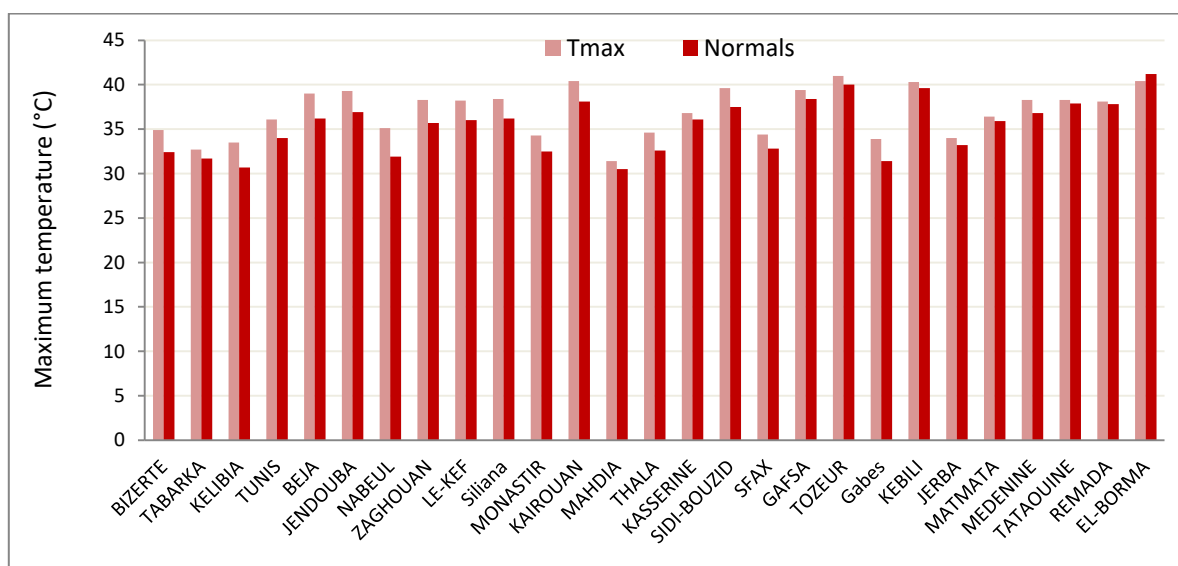
The fifth warmest month of July since 1950

During the month of July 2022, many regions of Tunisia witnessed a noticeable rise in temperatures and we did not record new records for maximum temperatures, while we set new records at the level of the highest minimum temperatures. The general average of Temperature (27 main stations) reached 30.1°C and it exceeded the reference rate by a difference of +1.5 °C, which made the month of July this year classified as the **fifth hottest month** of July since 1950.

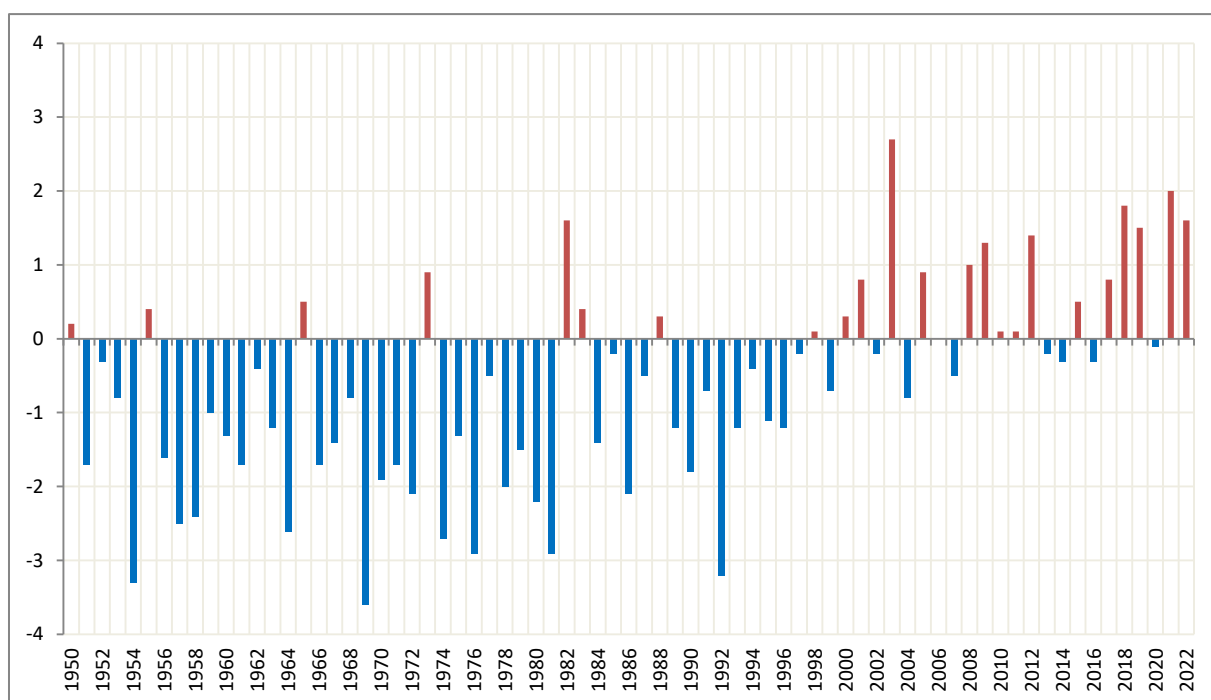
With regard to precipitation, all regions were affected by the decrease in the amount of rain. The rains were rare and very weak or non-existent in some areas, and the total decrease (27 main stations) reached **81%**.

Maximum temperature:

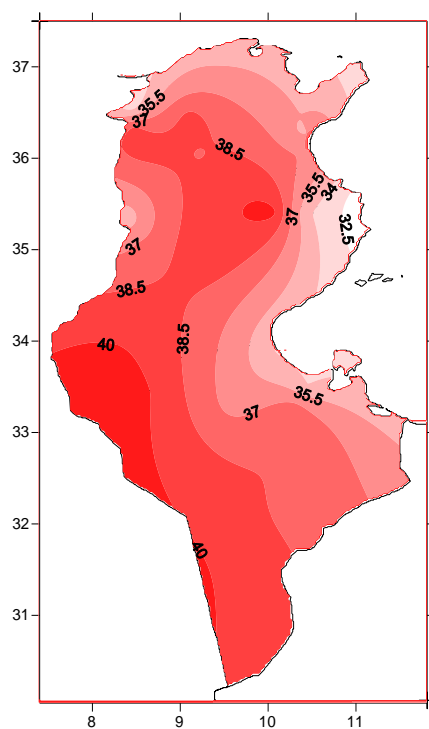
The maximum temperatures ranged from 31.4 °C in Mahdia to 41.0 °C in Tozeur and were above the reference rates in most regions. The differences ranged between +0.3°C degrees in Rermada and +2.8 in Beja and Kelibia, with the exception of El Borma, where it was slightly less than the average and the difference was -0.8 °C. The absolute maximum temperature reached 48.2°C in Tozeur on July 01, 2022. The general average of the maximum temperature was 36.9 °C, and it exceeded the reference average (35.3 °C) by a difference of +1.6 °C.



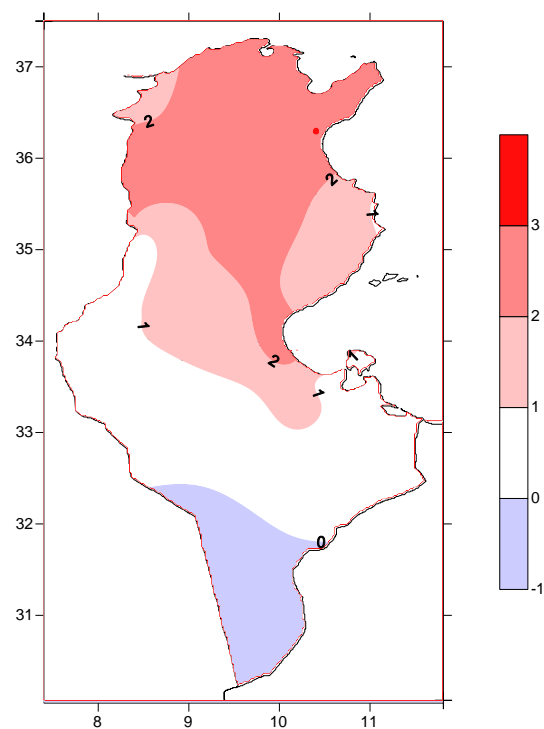
Comparison of maximum and normal temperatures for the month of July



Deviation from normal (1991-2020) maximum temperatures
since 1950: Month of July



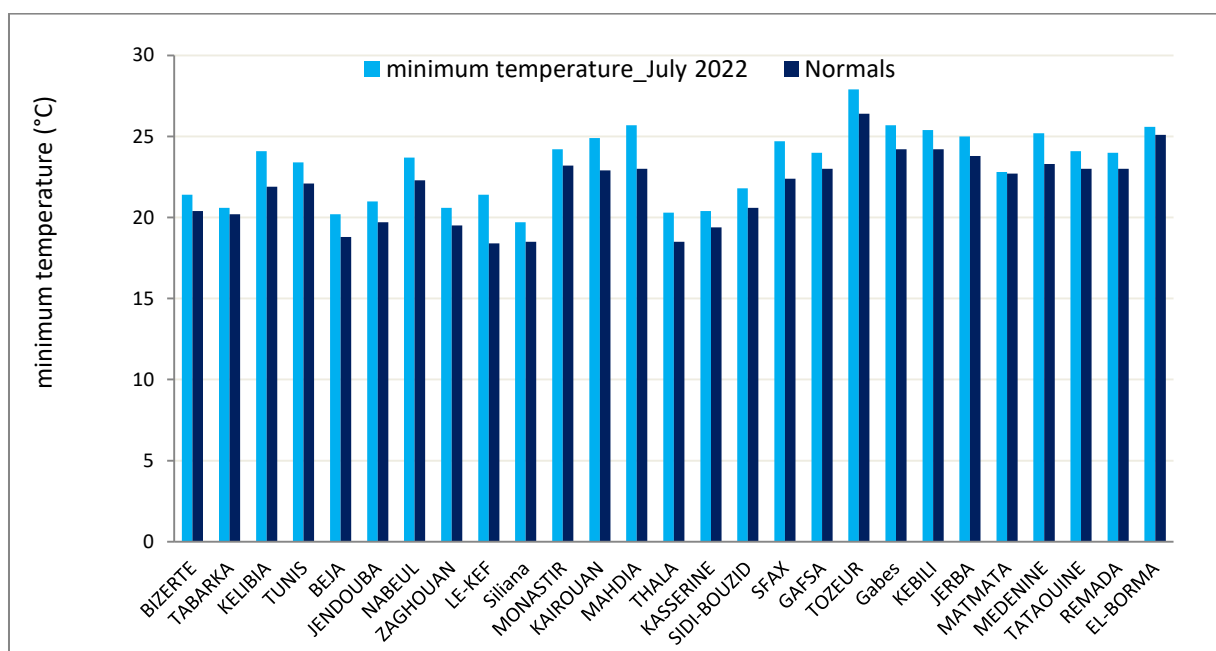
Maximum temperature in (°C)



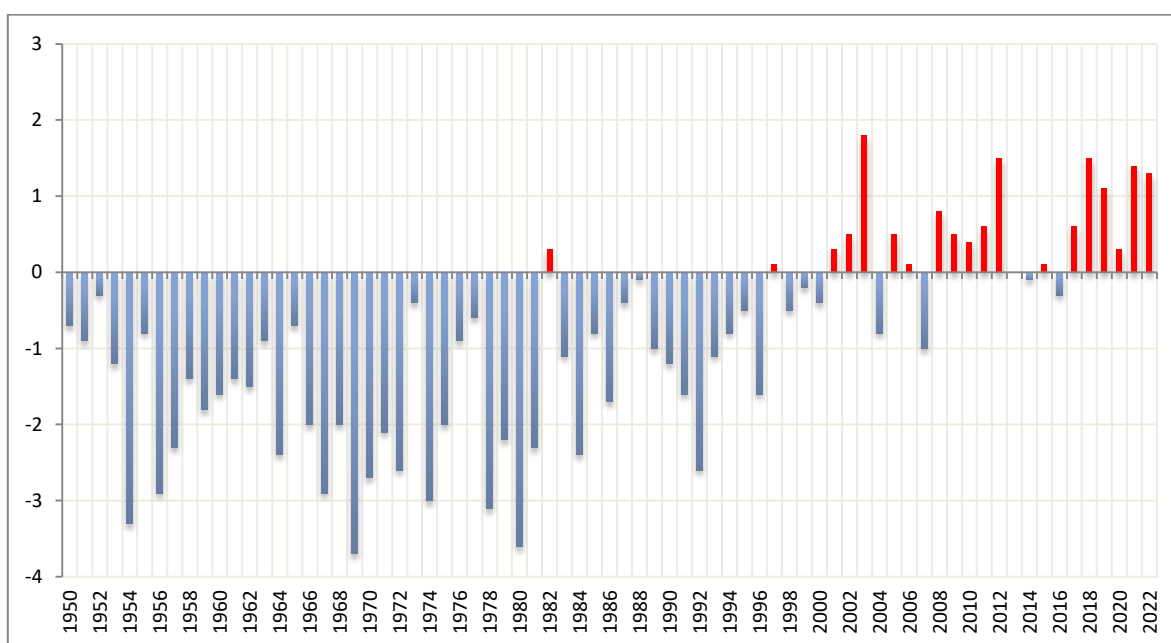
Deviation from normal of Tmax in (°C)

- Minimum temperature

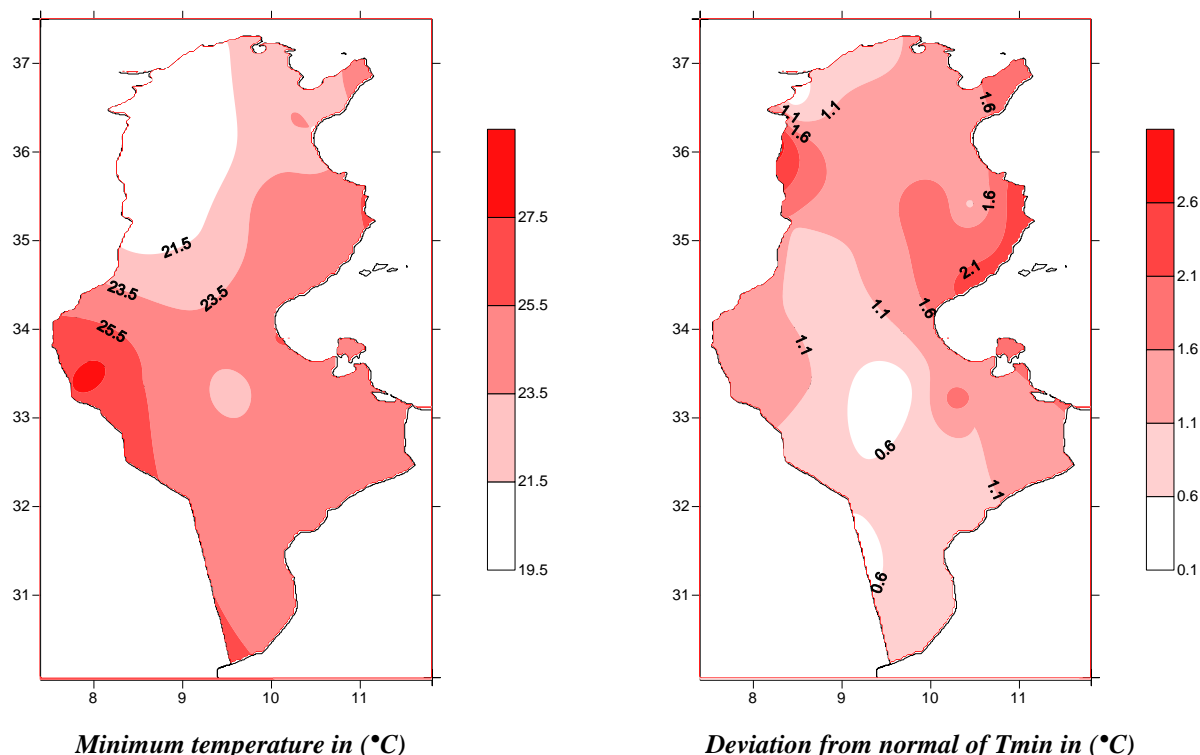
The minimum temperatures ranged from 19.7 °C in Siliana to 27.9 °C in Tozeur and were above the reference rates in all regions. The differences ranged between +0.1 °C in Matmata and +3.0 °C in Kef. The absolute minimum temperature reached 12.4 °C in Siliana on July 10, 2022. The general average minimum temperature was 23.2 °C, exceeding the reference average by a difference of +1.3 °C.



Comparison of minimum and normal temperatures for the month of July



Deviation from the (1991-2020) normal of minimum temperatures since 1950: Month of July



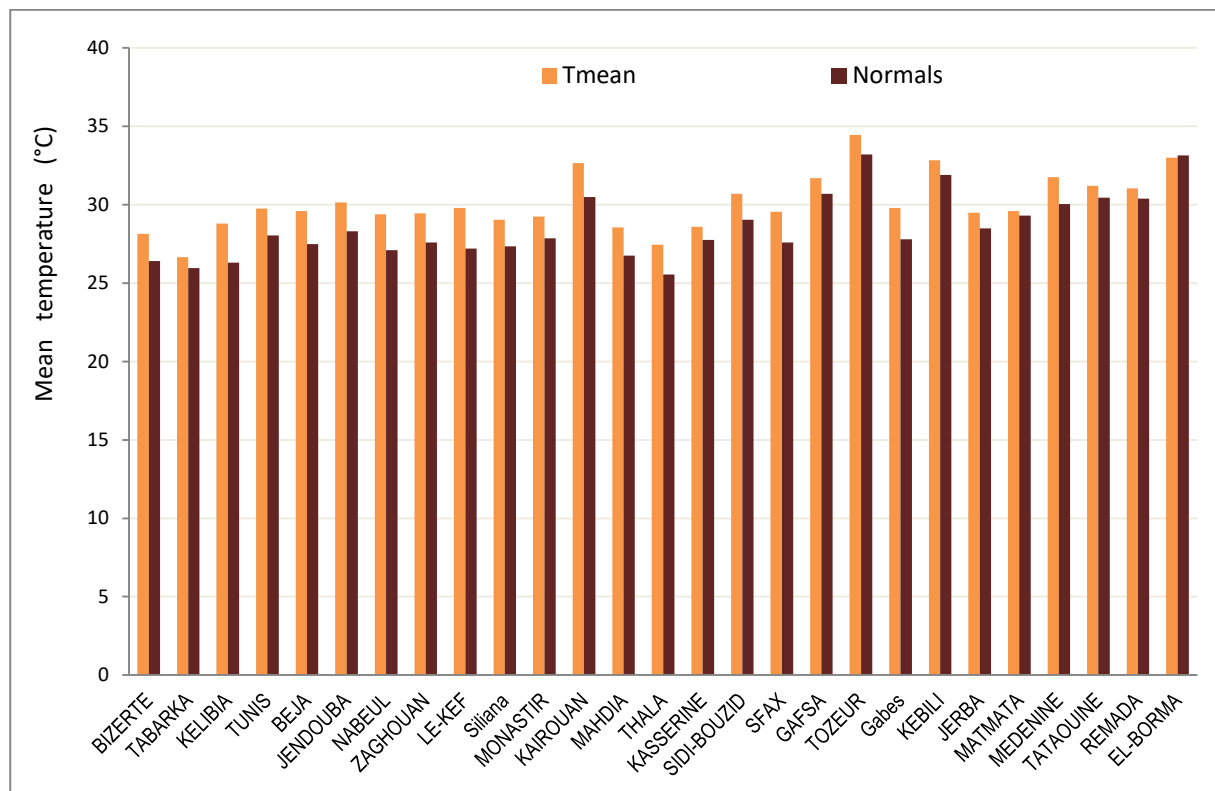
It should be noted that the temperature was also high during the night during the month of July 2022, and new records were recorded at the level of the highest minimum temperatures in some stations, as shown in the following table :

Station	Highest minimum temperature (°C)	Date
Sfax	28,2	07/28/2022
Kebili	31	07/07/2022
Gabes	29	07/08/2022
Tataouine	33,6	07/28/2022

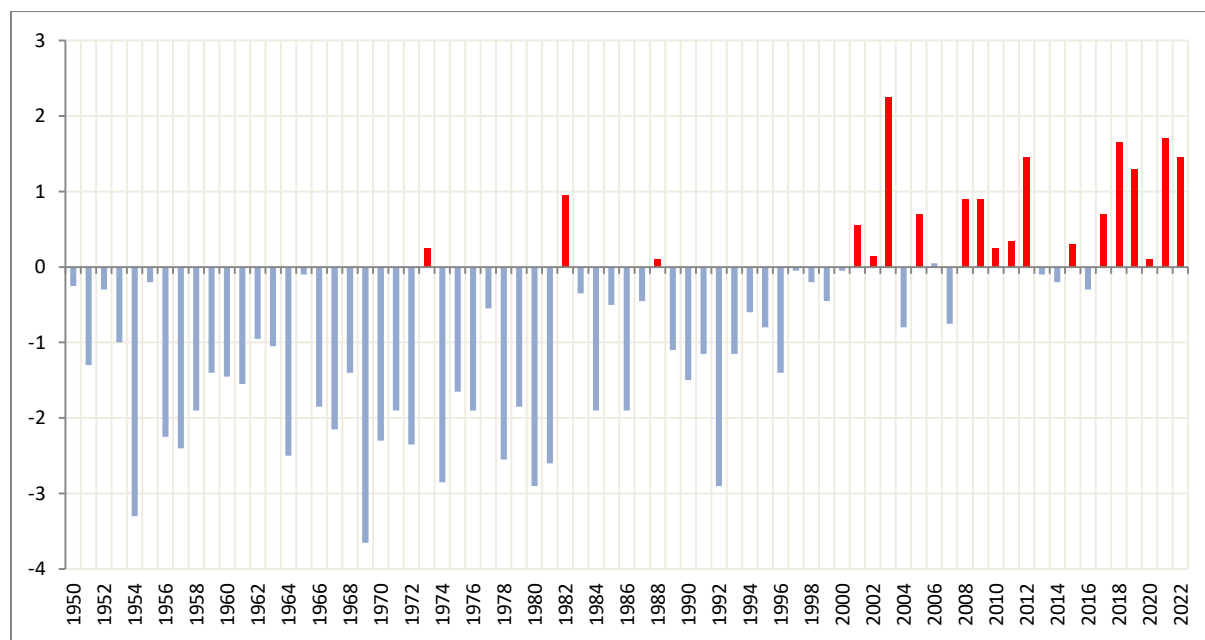
Mean temperature :

As for the mean temperatures, they ranged between 26.7 °C in Tabarka and 34.5 °C in Tozeur, and they were above the reference rates in most regions. The differences ranged between +0.3 °C in Matmata and +2.6 °C in Kef, with the exception of El Borma, where the average was slightly less than the reference rate and the difference was -0.2 °C. The average

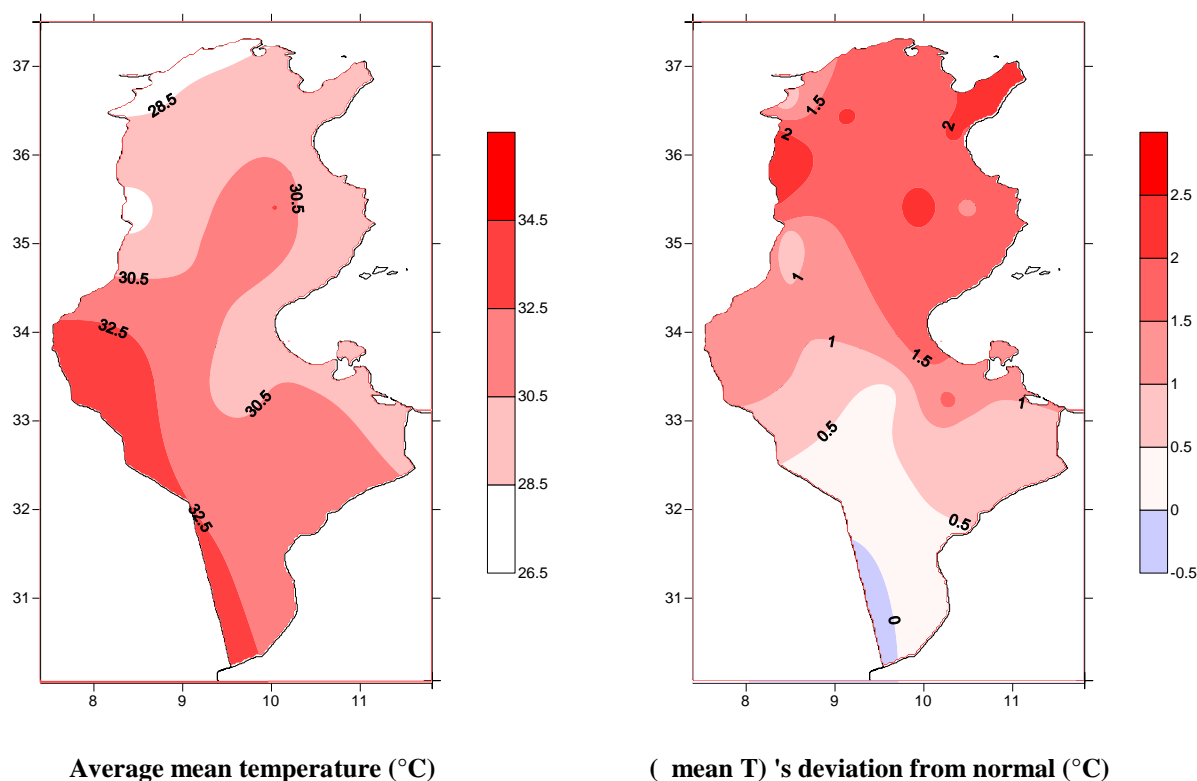
temperature in the year was 30.1 °C and it was above the reference average by +1.5 °C, making July 2022 the **fifth hottest month** of July since 1950.



Comparison of mean and normal temperatures for the month of July

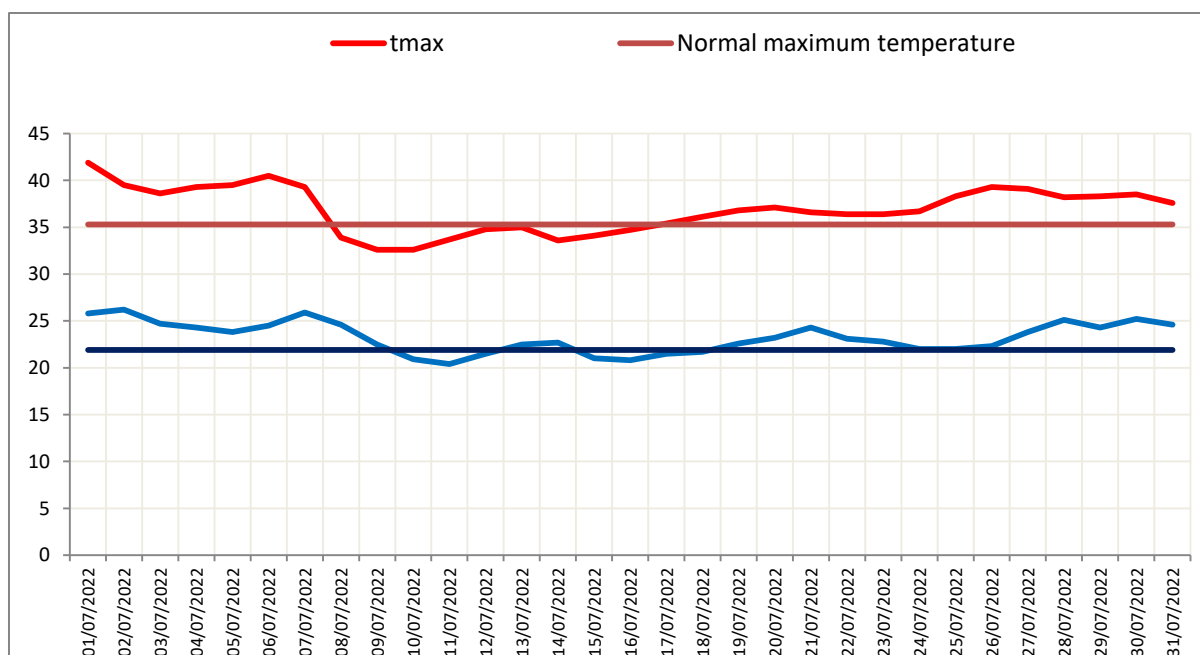


**Deviation from the(1991-2020) normal of mean temperatures
since 1950 : Month of July**



Daily evolution of the maximum and minimum temperatures during July 2022 compared to the reference rates :

After the end of the month of June, which was marked by a noticeable rise in temperature in our regions, the month of July 2022 began with high temperatures during the day and during the night, but we did not set new records in extreme temperatures. Most of the regions witnessed a relative decrease in temperature during the period from 08 to 16 July, when the temperature was slightly lower than the reference rates, then the temperature increased in all regions for the rest of the month.

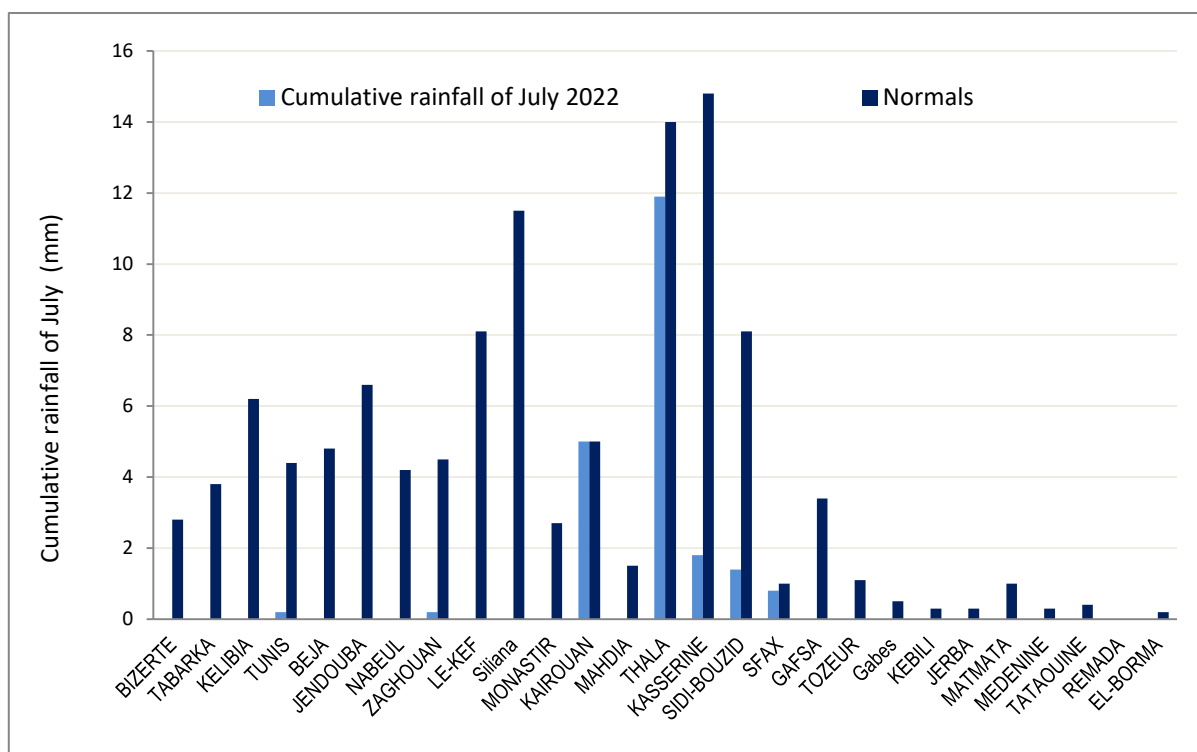


Evolution of daily temperatures compared to normal of July

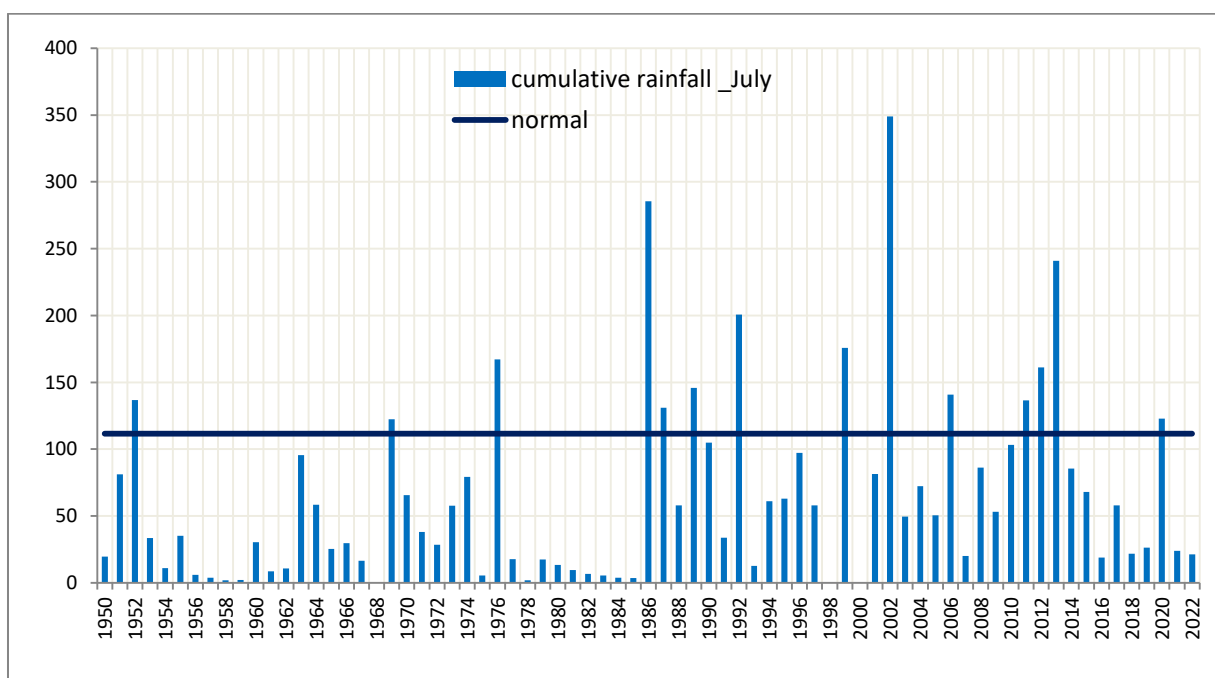
Rainfall:

As for the total amount of rain for the month of July 2022, it witnessed a shortage in all regions, and rain did not fall in many areas.

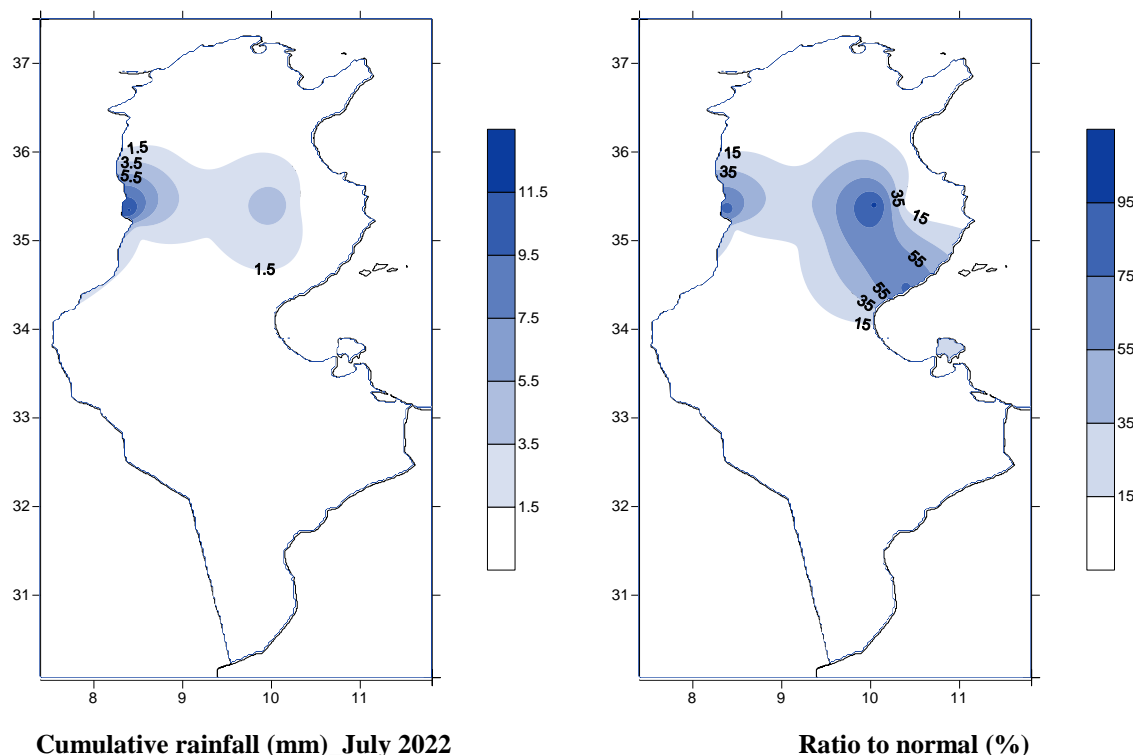
The total rainfall (27 main stations) for the month amounted to 21.3 mm, while the reference total (1991-2020) for the same stations was 111.5 mm, and the decrease amounted to about **81%**.



Comparison of monthly rainfall totals withto the reference normals of the accumulations _July



Cumulative monthly rainfall since 1950 in Tunisia: Month of July



- The winds :

With regard to winds, they were generally weak to moderate, and their speed increased during the period from 01 to 03 July 2022 in the north, central and far south regions. Its maximum speed ranged from 60 km / h in Jendouba to 94 km / h in Thala (Kasserine).

The wind speed also increased during the period from 06 to 09 July in most regions, and its maximum speed ranged from 61 km/h in Tunis to 94 km/h in Sidi Bouzid.

(Figure no. 01 and Figure no. 02):



Figure no. 01

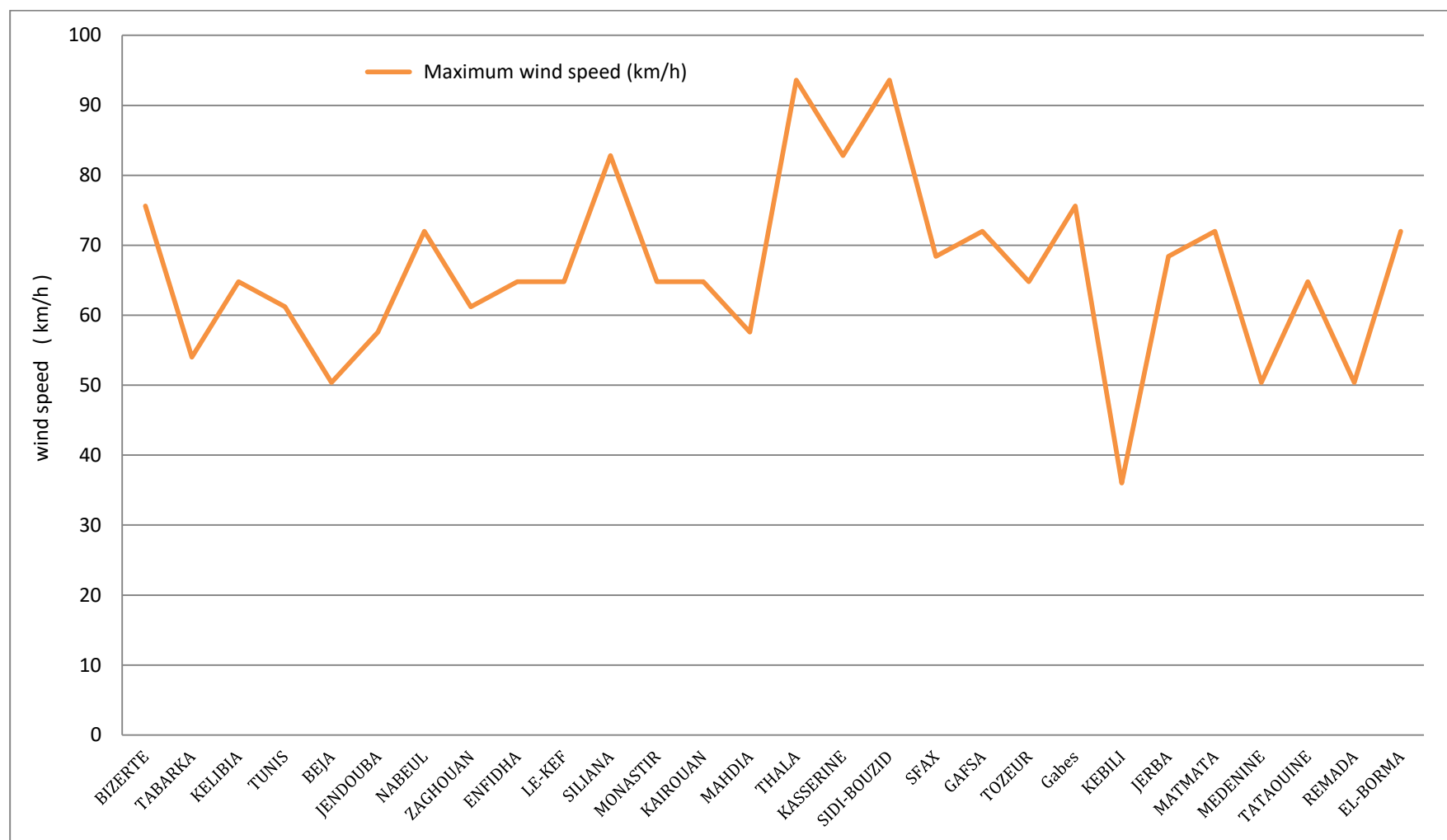




Figure no. 02

