



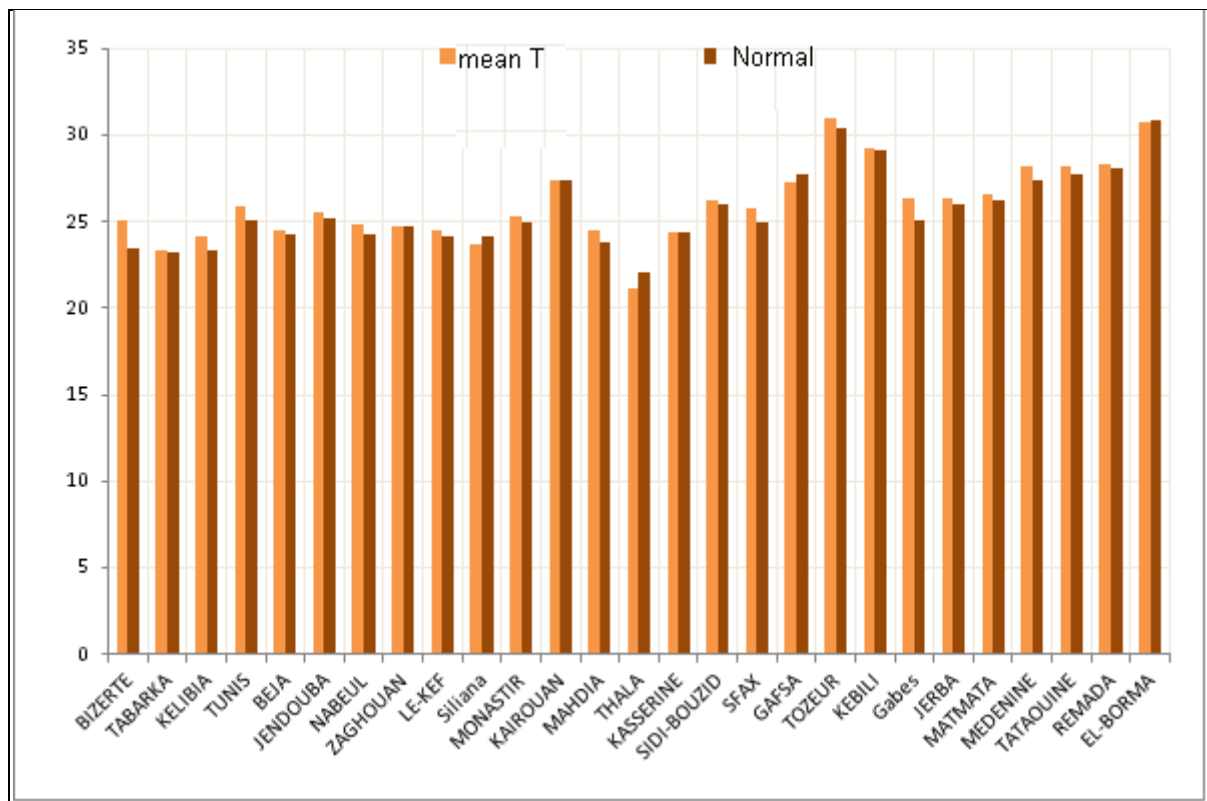
Monthly Climatological Report_ June 2023 in Tunisia

The month of June 2023 was characterized by a slight increase in temperature compared to normal with a difference of +0.3°C, unlike the month of June 2022 which was the hottest ever recorded with a positive anomaly of + 3.4°C,

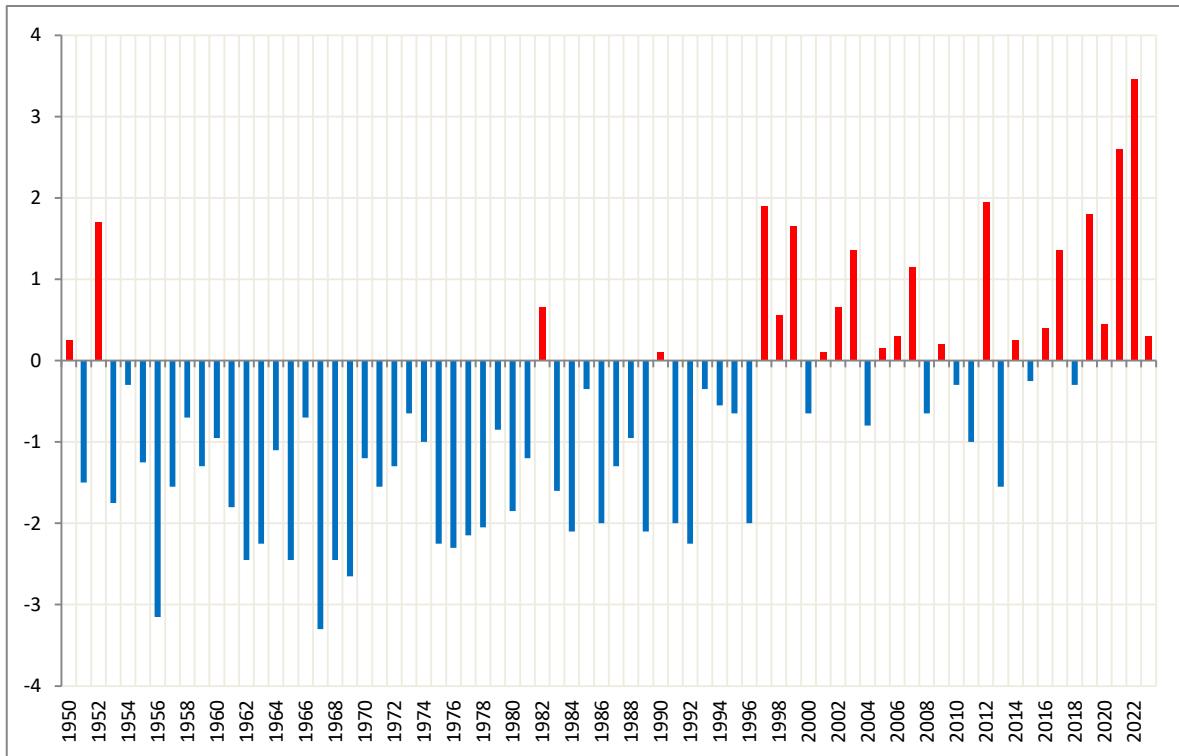
Regarding rainfall, the total cumulative rainfall (27 main stations) for the month was 520 mm, while the normal for the same stations was 249 mm. With this accumulation, June 2023 is ranked the 6th wettest month of June since 1950.

-Mean temperature :

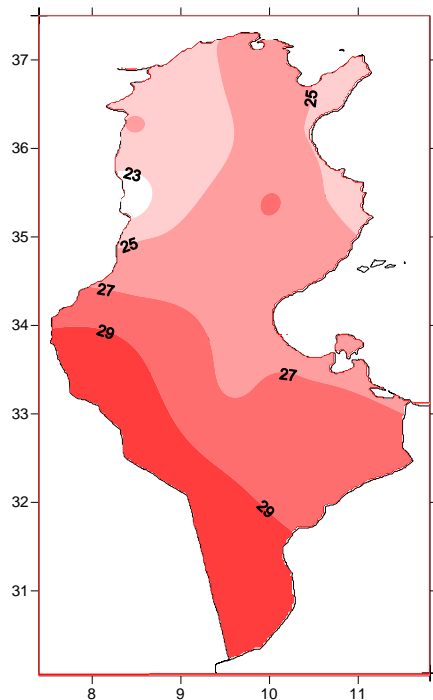
The average temperatures varied between 21.2°C in Thala and 31°C in Tozeur, and they were higher than the reference averages (1991-2020) in all regions except in the regions of Siliana, Thala, Gafsa and El Borma. The national average temperature (27 main stations) reached 26.1°C and exceeded the reference average (25.7°C) with a deviation of +0.3°C.



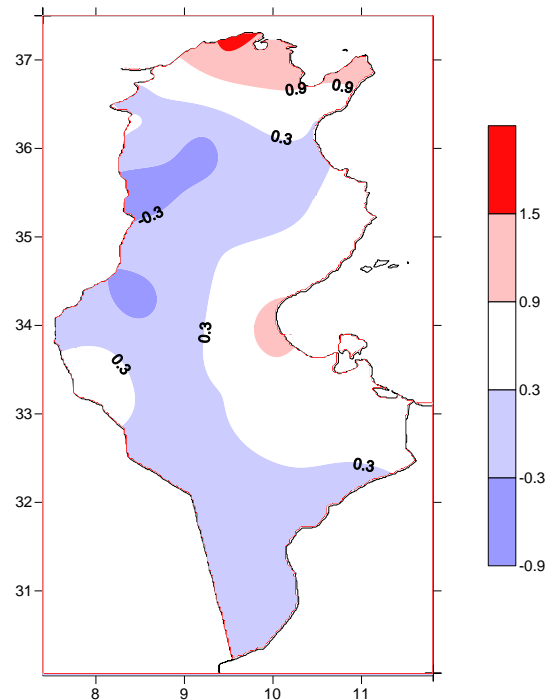
Comparison of average and normal temperatures for the month of June



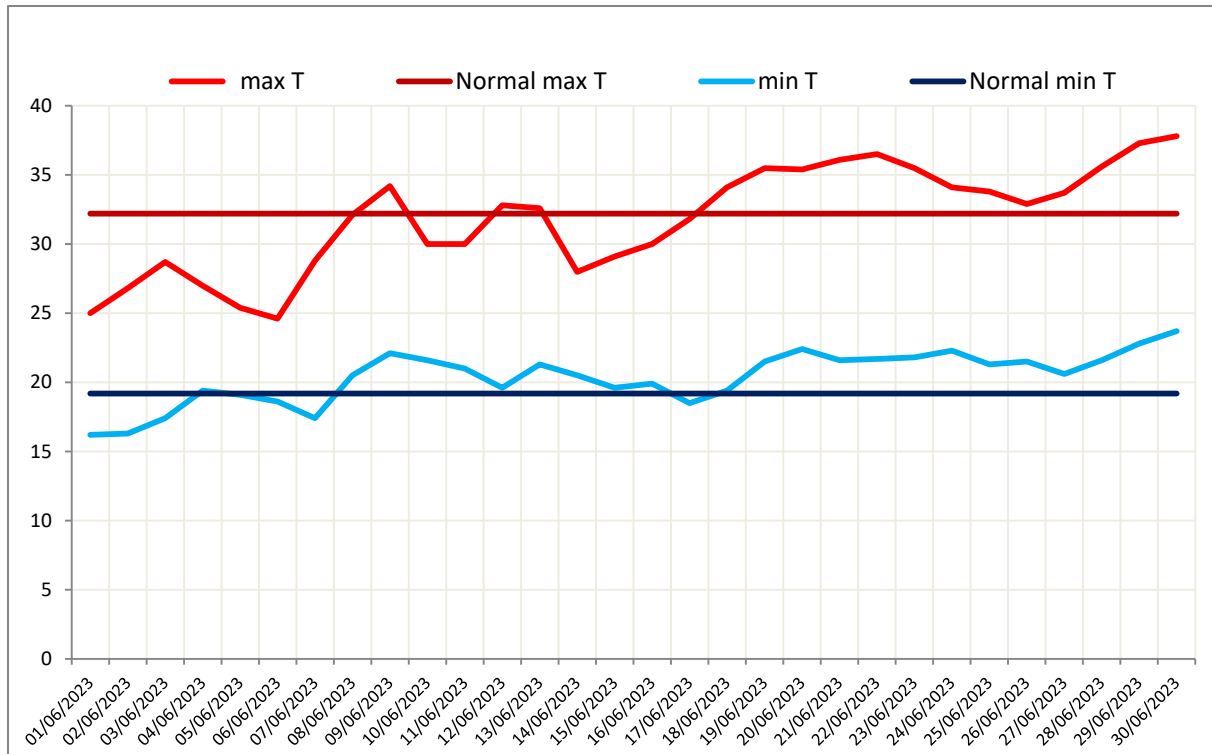
Deviation from normal (1991-2020) of average temperatures since 1950: Month of June



Mean temperature meanT (°C)



Deviation from normal of meanT(°C)



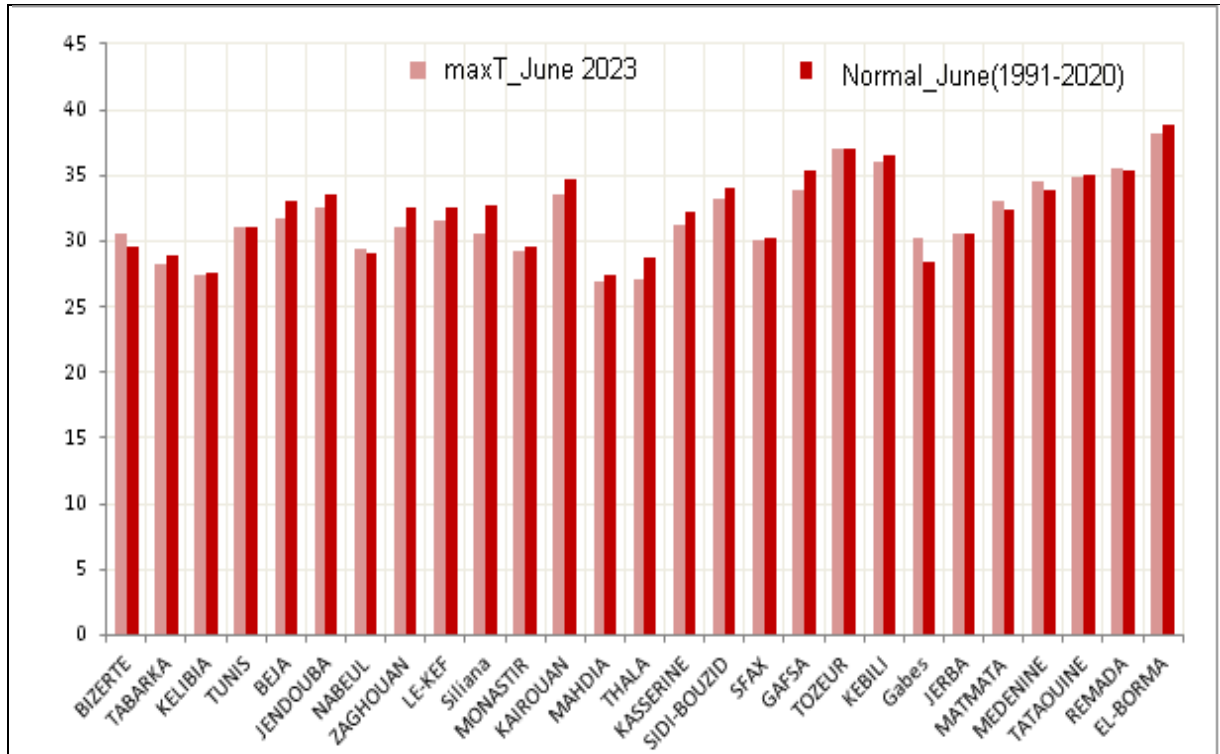
Daily evolution of temperature in Tunisia compared to the normal for the month of June

The weather was often unstable at the beginning of the month. Thunderstorms were frequent in most regions except for the southern regions. Consequently, the first half of June was marked by minimum and maximum temperatures below normal.

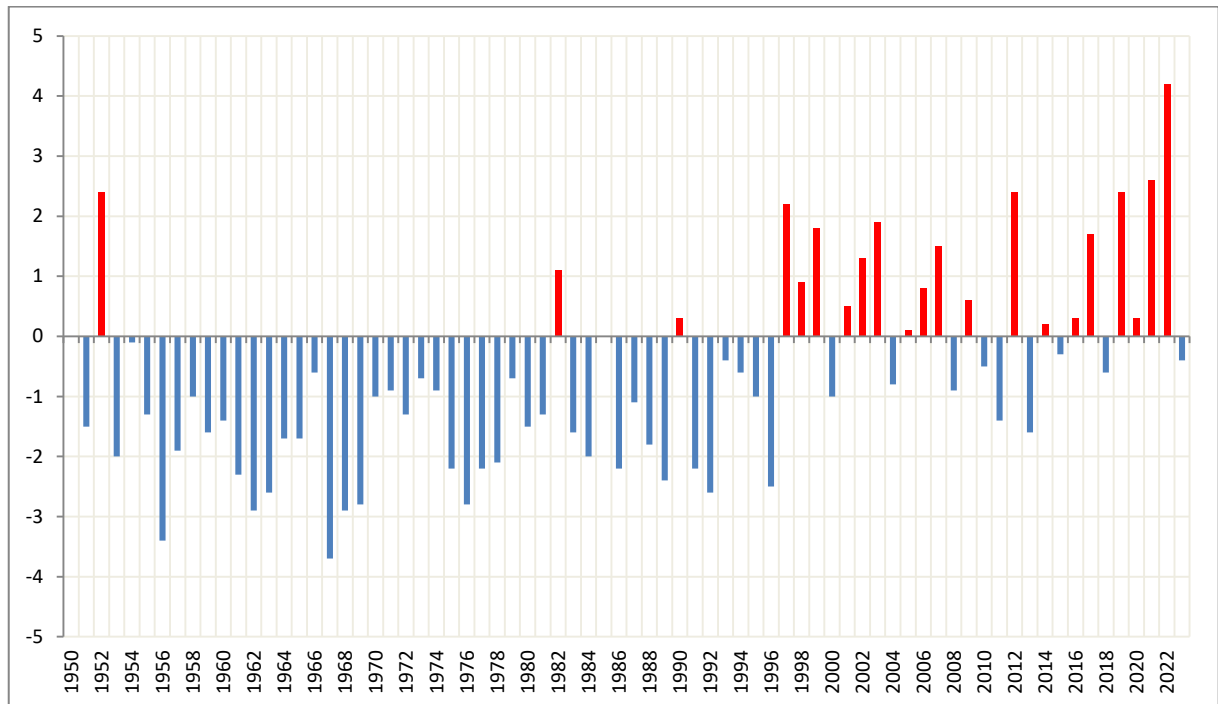
After the 18th of the month, the temperatures started to climb. The end of the month is marked by high temperatures compared to normal for the month.

- Maximum temperature:

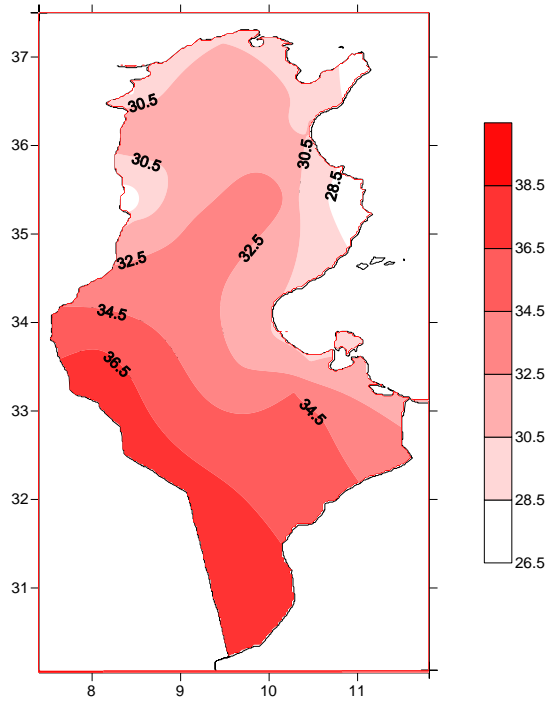
The average maximum temperatures ranged from 27.1 °C in Thala to 38.2 °C in El Borma, and were lower than the reference rates in all regions, where the differences ranged from (-0.1) °C in Kelibia to (-2.3) °C in Siliana, with the exception of Bizerte, Nabeul, Gabes, Djerba, Medenine and Remada, where the maximum temperatures exceeded The reference averages and the differences ranged between (+0.1) °C in Ramada to (+1.8) °C in Gabes. It should be noted that the absolute maximum temperature reached **45.4 °C** in El Borma on June 10, 2023. The general average (27 main stations) of the maximum temperature reached 31.8 °C and was lower than the reference rate for the same stations (32.2 °C) by a difference of (-0.4) °C.



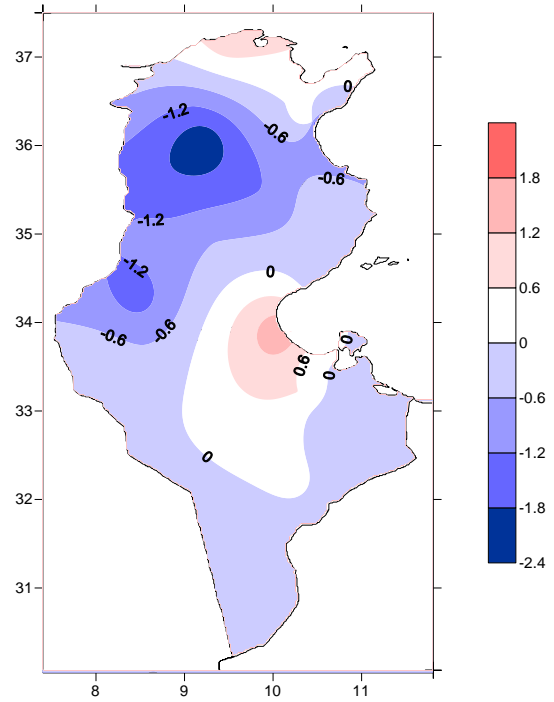
Comparison of maximum and normal temperatures for the month of June



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



Maximum temperature maxT(°C)

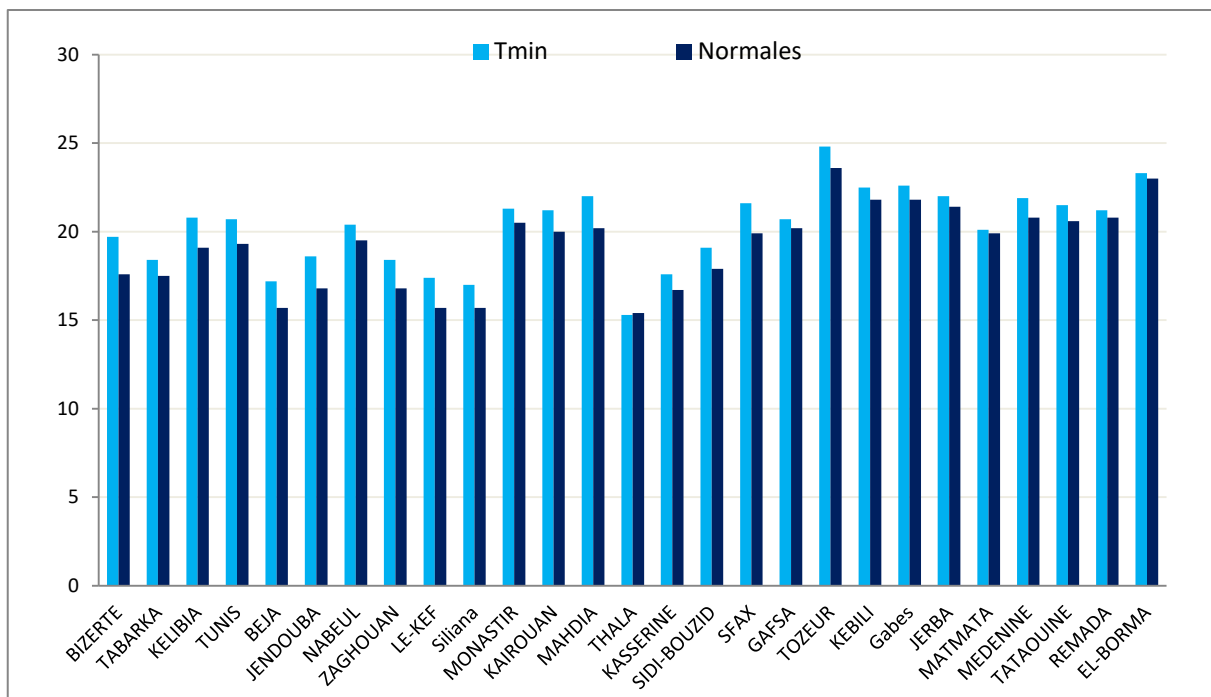


Deviation from normal of maxT i (°C)

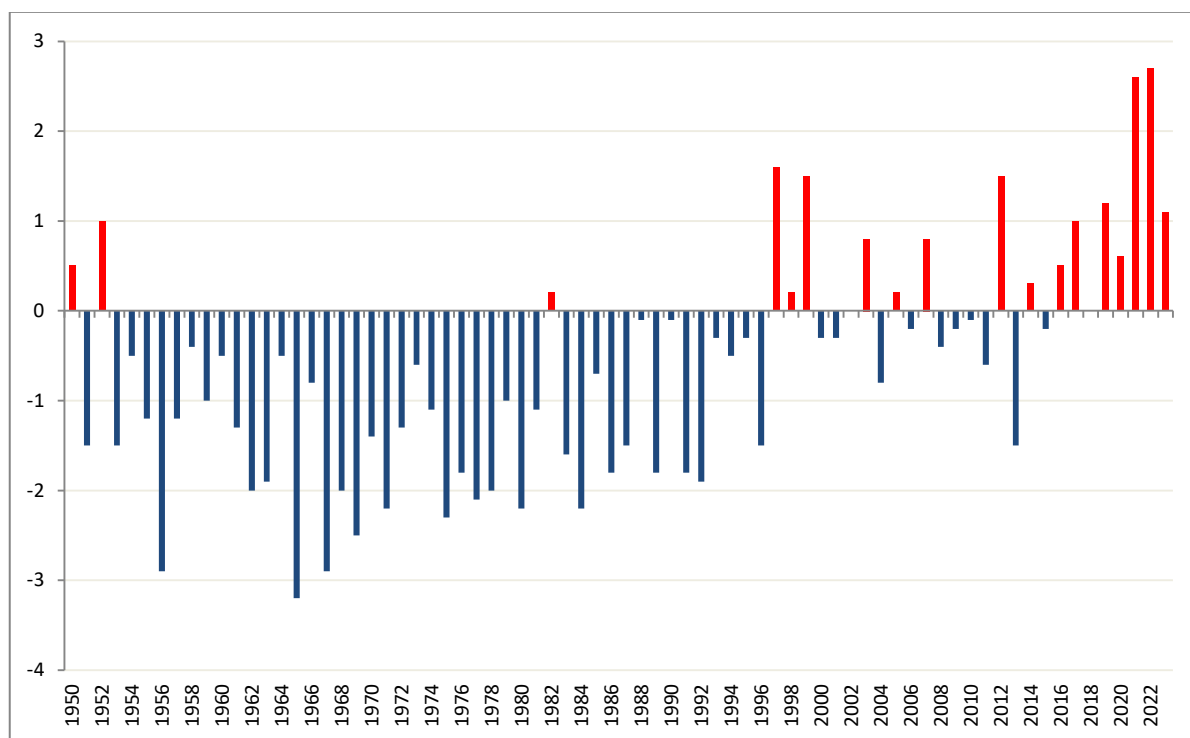
- Minimum temperature :

The average minimum temperature ranged from 15.3 °C in Thala to 24.8 °C in Tozeur, exceeding the reference rates in most regions, and the differences ranged from (+0.2) °C in Matmata to (+2.1) °C in Bizerte, with the exception of Thala, where the monthly average was less than the reference average, with a slight difference of (-0.1) °C. The absolute minimum temperature reached 10.2 °C in Thala on June 01, 2023.

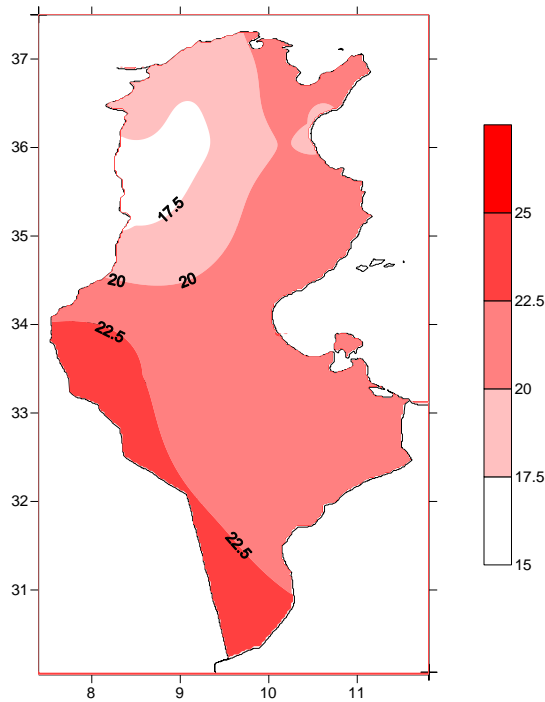
As for the average minimum temperature, it reached 20.3 °C, exceeding the reference average (19.2 °C) by a difference of (+1.1) °C.



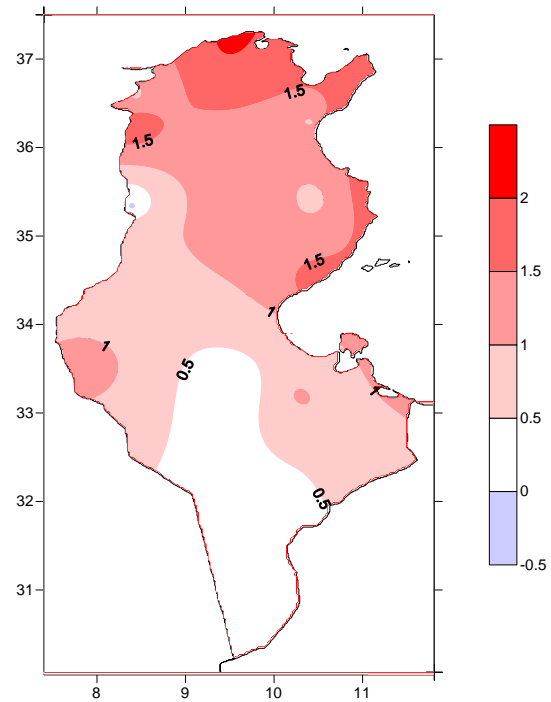
Comparison of minimum and normal temperatures for the month of June



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



Minimum temperature minT (°C)



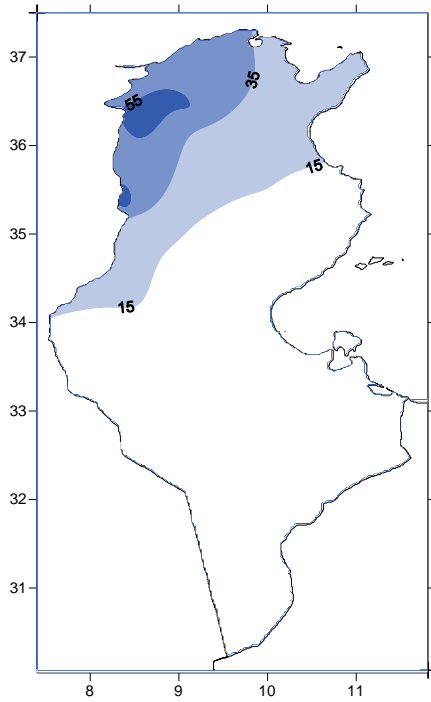
Deviation from normal of minT (°C)

- Rainfall amounts:

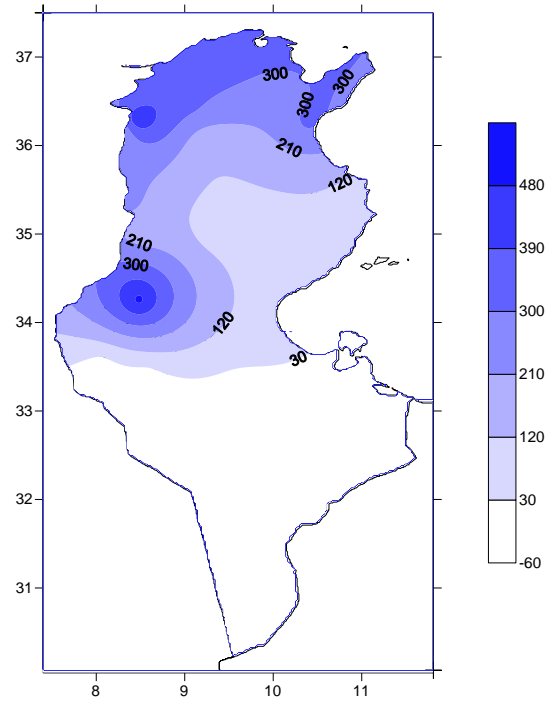
As for the rainfall recorded during the month, the total amount (27 main stations) was 520 mm, while the reference total for the same stations was 249 mm. Based on this total accumulation, June 2023 was classified as the **sixth wettest** month of June, after June 1976 (536.9 mm), June 1996 (560.3 mm), June 1968 (584.6 mm), June 1995 (618.5 mm), and June 1995 (618.5 mm). 2004 (776.1 mm)

The amounts of rain recorded during this month amounted to 208.8 % of the reference rate for the month of June.

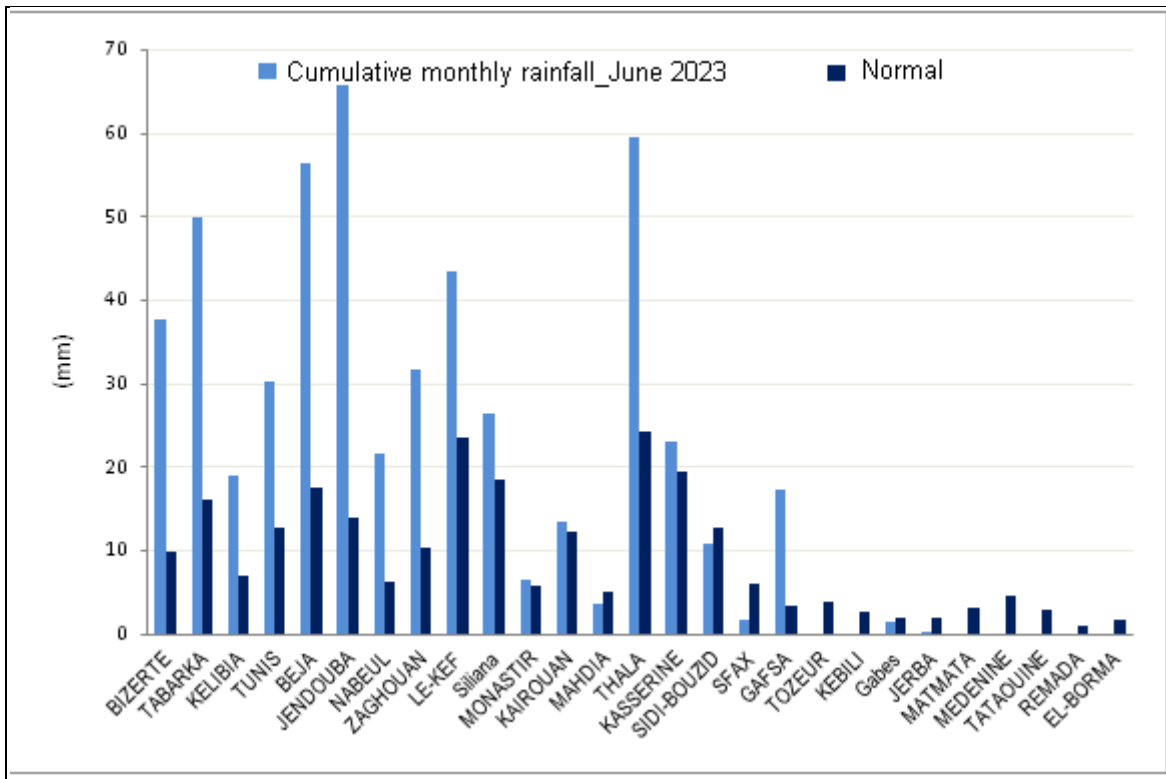
It should be noted that throughout the month, the accumulations were high in the north of our country, while the rains were rare and even non-existent in the southern regions, with the exception of Gafsa, where the total amounted (17.3 mm) was higher than the reference total for the station (3.4 mm).



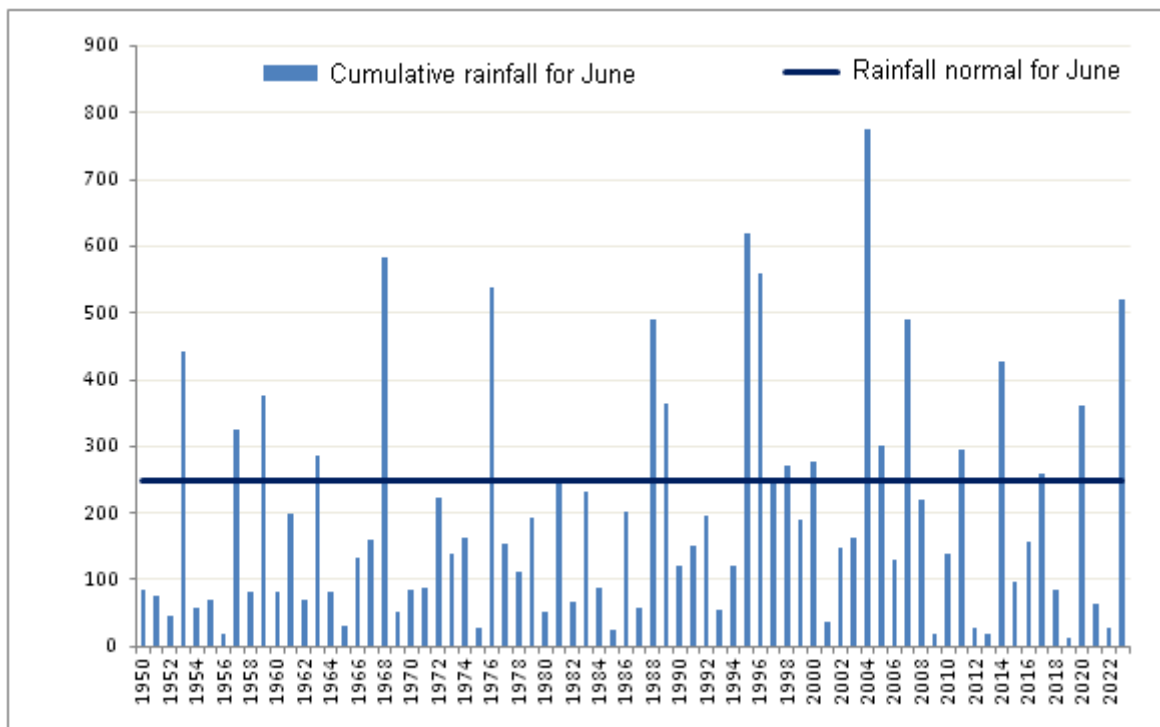
Cumulative monthly rainfall (mm)



Ratio to normal (%)



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



**Cumulative monthly precipitation since 1950
on Tunisia: Month of June**

- The winds:

As for the winds, they were generally light to moderate and their speed increased during the period from June 03 to 05, 2023 in the central and southern regions, and the maximum speed varied from 60 km / h in Monastir at 97 km/h in Kebili. Sand phenomena were locally observed in the south of the country.

The winds were strong during the period from June 10 to 16 in most of our regions; their maximum speed varied from 60 km/h in Zaghouan, Siliana, Medenine and Tataouine to 94 km/h in Tozeur and it reached 101 km/h in Kasserine and 104 in Thala.

Winds were also strong on the northern coasts on June 23, reaching a maximum speed of 60 km/h in Bizerte.

The winds were also strong on June 30 over the central and southern regions and their maximum speed varied from 60 km/h in Djerba to 72 km/h in Mahdia and Sfax, reaching a maximum of 94 km/h in Thala.

