



Centro Regional del  
Clima para el Sur de  
América del Sur

Centro Regional do  
Clima para o Sul da  
América do Sul



## Locations

This product gives access, for each of the localities that are presented in the map, to the evolution of precipitations and / or temperatures, both daily and monthly. Here below can be found how to interpret each of the graphs.

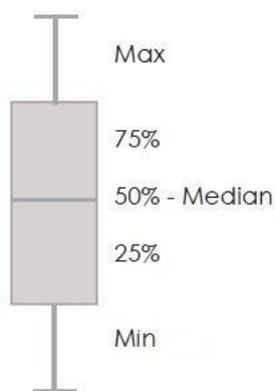
### Minimum and maximum daily temperatures graphs

These graphs represents, in black line, the values of minimum or maximum daily temperature recorded in the 365 days prior to the date of update of the graph. The gray line corresponds to the daily averaged temperature in the period 1981-2010. Shaded areas in red indicate periods warmer than the average value and in blue colder periods.

### Monthly temperature graphs

The evolution of mean temperature, maximum mean, and minimum mean values are represented by orange, red, and blue lines respectively. The points represent the monthly values of temperatures in the last 12 months.

Historical information (considered from 1961 to the year before the present) is represented in the form of boxes and lines ("chart boxes"). The box represents 50% of the central data and the central black line is the 50% value or the "median" (in the case of temperature is generally very close to the average value).



The line that extends up the box represents 25% of the highest data being the upper limit the highest monthly value recorded since 1961. Conversely, the line extending down the box accounts for 25% of the lower data, being the lower registered monthly value.

In order to obtain the values of 50% of the central data and 25% of the highest and lowest data, the series of monthly data is ordered from the lowest to the highest and then divided according to these percentages. With these values, the box graph is constructed.

In this way you can quickly know if the monthly record of one month of the last year was within the average values (inside the box and near the

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center line), it was among the highest (out of the box up), among the lowest (out of the box down) or if it was a record value since 1961 (when it is off the lines). As soon as the box is smaller and the lines less extended, means that in that month there is less variation in the monthly temperature over the years. Therefore this type of graphical representation presents in summary form the thermal characteristics of each month.

### **Monthly precipitation graphs**

In the case of monthly precipitation, the graphs are interpreted in the same way as the temperature. It should be noted that in this case there is a greater difference between the median and the middle value.

### **Cumulative rainfall graphs**

In these graphs the evolution of accumulated precipitation values is represented in green line in the last 12 months. The gray line corresponds to the average value of the period 1981-2010 for the same period.

- ❖ In all cases, periods in which no necessary information is available will be represented as a discontinuity in the corresponding graph.