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## October 2024 was the rainiest in the historical series

08/11/2024 With an average of 147 l/m<sup>2</sup> for the whole of mainland Spain, it was close to reaching double the normal rainfall for this month. A flood caused an extraordinary episode of rainfall on October 29. Turís (Valencia) reached 771 l/m<sup>2</sup> in 24 hours, of which 185 were accumulated in just one hour, a record for Spain in that period. October 2024 was also a warmer month than normal, with a temperature that exceeded the normal average by 0.9 °C.

November 8, 2024 - The State Meteorological Agency, dependent on the Ministry for Ecological Transition and the Demographic Challenge, has published the climate forecast for October 2024. It was the wettest October in Spain since records began, that is, since at least 1961. At the end of the month, there was an extraordinary episode of rainfall in the Valencian Community as a result of a flood. It was also a warmer month than usual, especially due to nighttime temperatures.

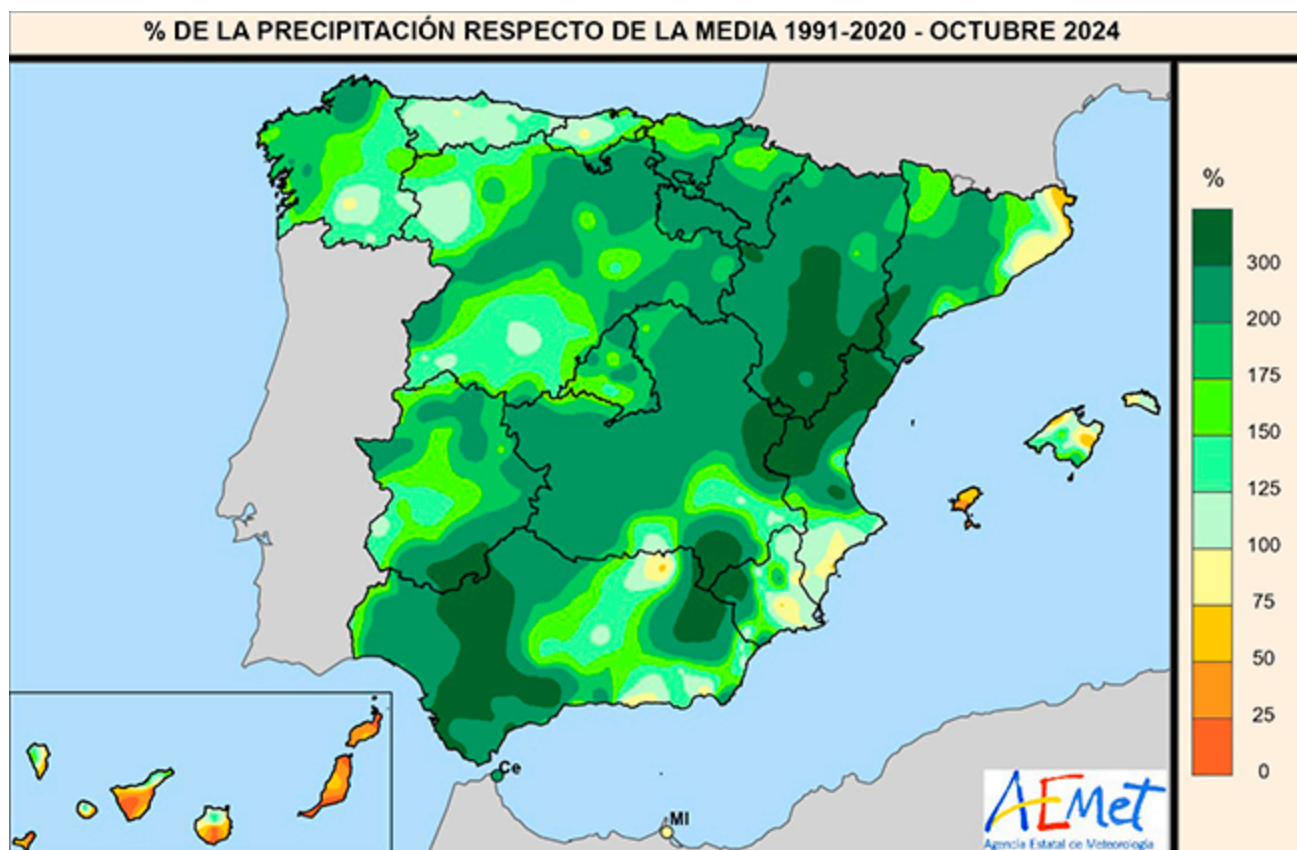
### PRECIPITATIONS

The month of October was extremely wet in terms of rainfall, with an average value over mainland Spain of 147.0 l/m<sup>2</sup>, a value that represents 189% of the normal value for the month, that is, very close to double (reference period: 1991-2020). It was the wettest October in the series since 1961, ahead of 1979 and 2003, the two rainiest months so far.

	Precipitación		
	P (mm)	Porcentaje (%)	Carácter
<b>España peninsular</b>	147.0	189	Extremadamente húmedo
<b>Baleares</b>	82,2	104	Húmedo
<b>Canarias</b>	22,5	71	Normal

Precipitation table for October 2024 in the different geographical areas of Spain, anomaly with respect to normal and character.

October was extremely wet on the Peninsula, wet in the Balearic Islands and normal in the Canary Islands. Rainfall was generally very evenly distributed throughout the territory throughout the month. Among the highest daily accumulations in the stations of the main network, Jerez de la Frontera (Cádiz) stands out with 116 l/m<sup>2</sup>, a record in a series that began in 1946. As for monthly values, Vigo/airport accumulated 413 l/m<sup>2</sup>. Jerez de la Frontera, with 315 l/m<sup>2</sup>, also broke its monthly record.



Percentage of accumulated precipitation in October 2024 compared to the 1991-2020 average

On October 29, 2024, an extraordinary episode of very intense rainfall occurred that affected the Mediterranean area. The situation was a consequence of the presence of a low pressure area located over the Strait of Gibraltar that favored the organization of important precipitation systems that affected the provinces of Valencia, Cuenca, Albacete and Murcia. The following table shows the accumulated precipitation records on October 29 at the AEMET stations available on that day in the area.

<b>Nombre</b>	<b>Provincia</b>	<b>Precipitación (mm)</b>
Turís	Valencia	771
Utiel, La Cubera	Valencia	243
Mira	Cuenca	174
Álora, Las pelonas	Málaga	167
Dólar	Granada	156
Caravaca, Fuentes del Marqués	Murcia	153
Carcaixent	Valencia	140
Barx	Valencia	119
Antequera-Bobadilla	Málaga	106
Guadix	Granada	96
Málaga, CMT	Málaga	84
Salvacañete	Cuenca	83
Bicorp	Valencia	67
Lliria	Valencia	65

Accumulated precipitation at AEMET stations during the day of October 29.

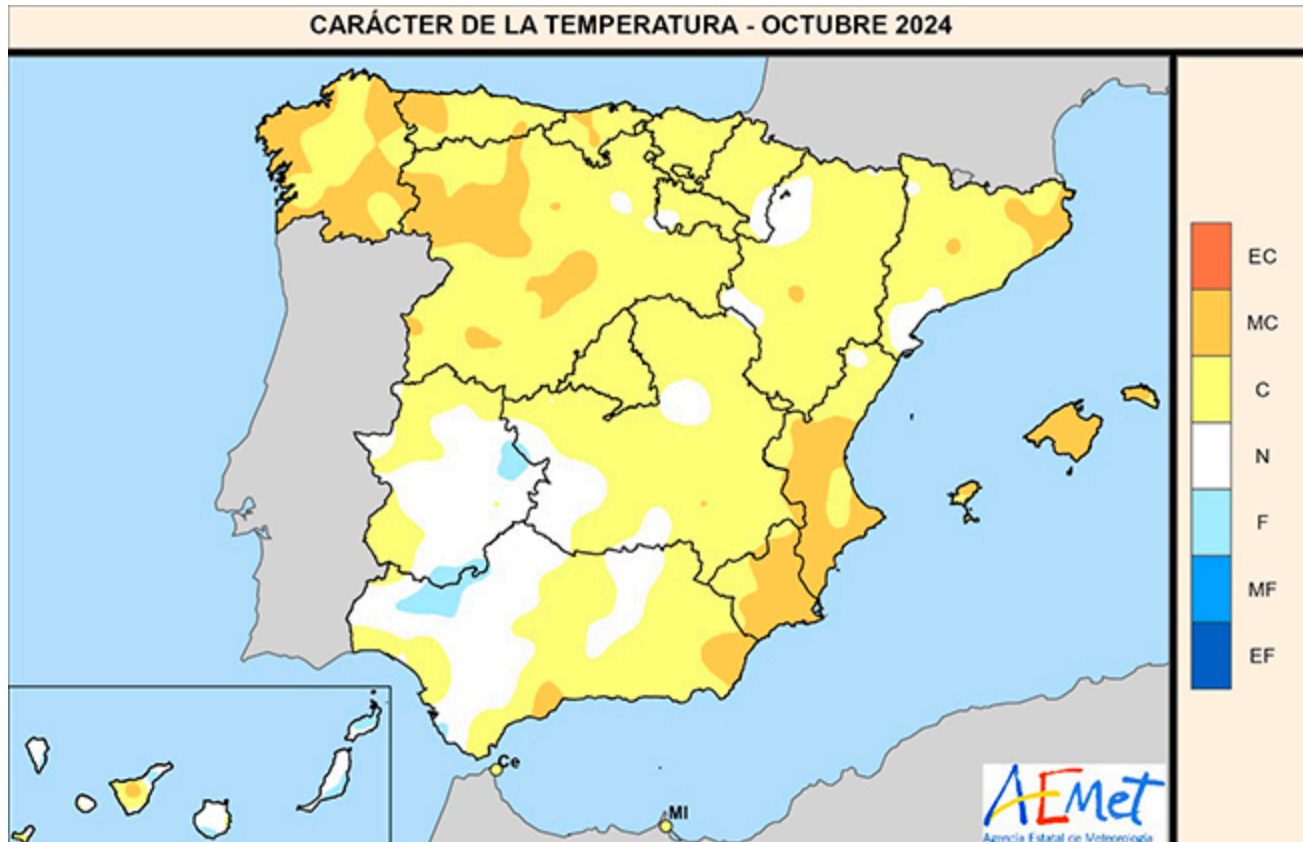
TEMPERATURES

The month of October was warm overall, with an average temperature over mainland Spain of 15.5 °C, a value that is 0.9 °C above the average for this month (reference period: 1991-2020). It was the twenty-first warmest October since the beginning of the series in 1961, and the twelfth warmest of the 21st century.

	Temperatura media		
	T media (°C)	Anomalía (°C)	Carácter
España peninsular	15,5	+0,9	Cálido
Baleares	20,3	+1,5	Muy cálido
Canarias	20,4	+0,2	Normal

Table of average temperatures in October 2024 in the different geographical areas of Spain, anomaly with respect to normal and character.

The month of October was very warm in the northwest and southeast of mainland Spain, normal or cold in the southwest and warm in the rest of the peninsular areas. In the Balearic Islands it was very warm, while in the Canary Islands it was very variable from one area to another, resulting in a normal overall temperature.



Temperature character in October 2024.

Maximum daily temperatures in October were within normal limits, while minimum temperatures were 1.7 °C above the average. At four stations in the main network (Molina de Aragón, Ponferrada, Ourense and Málaga/airport) the average night-time temperatures were the highest in their respective series. The highest temperature of the month in terms of main stations was recorded in Murcia, with 35.5 °C on the 2nd; while the lowest was recorded at Puerto de Navacerrada, with -2 °C on the 29th.

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[October 2024 Climate Preview \(914 KB\)](#)

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