



## **UK climate trends, as revealed by statistics for 1981-2010**

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In common with many national meteorological services, the Met Office has updated its climate averages to the 30-year period 1981-2010. Monthly, seasonal and annual values have been calculated for stations and gridded at 1km resolution. These grids have enabled maps and areal values for the UK and its regions to be produced, covering 20 monthly and 10 annual variables. Gridded averages had previously been produced for periods 1961-1990 and 1971-2000, using the same techniques and grid resolution. Comparison of these averages with those for the new period has allowed any trends to be identified and studied. Here we present and comment upon some of the key results, using sequences of UK maps for the three 30-year periods, maps of trends, graphs of regional time series and tables of regional values. Results for air temperature are also put into context against longer-term trends analysed using monthly gridded data at 5km resolution back to 1910.