

## **Cosmic Rays and climate of the Earth**

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The influence of cosmic ray fluxes on the Earth's climate and weather is considered. The physical mechanisms of this influence include the important role of electric charges in the processes of cloud and thundercloud formation. In the atmosphere cosmic rays produce the main part of electric charges. These charges define the growth of cloud coverage and the level of thunderstorm activity. When cosmic ray fluxes in the atmosphere are varied the cloud coverage and thunderstorm activity are also varied. It produces the changes of weather and climate of the Earth.

Keywords: Cosmic rays; climate; thunderclouds.