



Methodical approaches to perfection of models of weather and a climate.

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Modern dynamic forecasting models of weather have a high level of computing operations. But it does not provide necessary quality of forecasting of weather and natural dangers. The analysis of statistical characteristics of mistakes of weather forecast is executed. Are revealed unknown before law. Their research has allowed to establish the reasons of occurrence of regular mistakes of weather forecasts. It is caused by ignoring of geodynamic processes. They are accompanied by changes of a gravitational field. It is the reason of change of a field of atmospheric pressure. Geodynamic processes influence a mode of spreading surface. This influence is function from geothermal streams of heat and water in system lithosphere-hydrosphere-atmosphere. Experimental data are used for development of methodical approaches to improvement of models of weather. Adaptation for different scales of variability is executed. Influence of temperature of a surface of ocean on formation of cyclones is investigated. Researches are executed for Northern Atlantic. Anomalies of weather conditions of local scale are investigated. It is shown, that unknown before law in distribution of mistakes of weather forecast can be the important part at studying a climate. The example of change of a climate in South America in January, - September 2005 is considered.