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Caucasus Earthquakes Atmospheric Electric Precursors in Supporting of the LAI Model

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Based on the LAI model near ground atmosphere layer is considered as transfer layer between Earth and ionosphere. We think that earthquakes preparing process must be expressed in the changing of the atmospheric electric field characteristics and in the atmospheric electric field potential gradient among them.

In order to reveal such kind of earthquakes precursors we consider 11-day data of Dusheti Observatory atmospheric electric field potential gradient before occurring of Caucasus regions 41 earthquakes for 1960-1992 with $M \geq 5.0$.

The seasonal variations of the atmospheric electric field potential gradient and the fact of meteorological parameters intercovered influence on its value are taken account and original method of "filtration" is created for excluding of such influences on this parameter.

There are revealed so - called "clear" anomalies in 29 earthquakes events which are considered as earthquakes precursor.