

Application of high-accuracy magnetometry to study recent geodynamic processes and earthquake precursors

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A b s t r a c t: The results of a study of local temporal changes of the geomagnetic field for the period 1990-1999 are presented. Local anomalous effects with intensity of 1.5-5 nT and a duration from 30 days to 3-4 months are discussed. These anomalies, due to seismo-tectonic processes, were observed within the zones of a stressed-strained state of a medium. Examples of anomalous changes of the precursor type of the geomagnetic field and seasonal anomalous phenomena are presented.

Key words: repeat F-surveys, magnetic anomalies, earthquake precursors

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