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## About the nature of anomalous events in the TUS detector

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TUS became the first orbital detector to register events from cosmic particles of extremely high energies by measuring fluorescence and Cherenkov radiation from extensive air showers in the Earth's atmosphere. At the same time, it registered several dozen anomalous events, which are the subject of the study presented in this paper. Atmospheric gamma-ray bursts (TGF and TGE) are considered as their possible sources.

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