

Results of Tatiana-1 Mission and Plans for Tatiana-2

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Data of the “Universitetsky-Tatiana” mission (Tatiana-1 in short) on transient UV events in the atmosphere are presented. They show concentration of detected events in the equatorial region of the Earth, enhancement of events over the ocean (in contrast to TLE, detected by gamma emission, which are frequent over the continents), and correlation of the brightest UV TLE with the full moon phase. The next Tatiana-2 mission has a general scientific goal to continue global observation of the night atmosphere glow, started in the “Tatiana-1” experiment, with improved set of detectors looking to nadir.