Perseid meteor shower in 2012–2013 by TV meteor observations

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We present results of TV observations that were obtained during the Perseid meteor shower activity (18 July – 19 August) in 2012 and 2013. The observations were carried out in Moscow region using the TV system PatrolCa with FOV of 50°×40° and a limiting magnitude (for meteors) of 4^m–5^m [1]. The individual radiants of Perseid meteors and the radiant drift (for 2012–2013) are given. The Perseids orbits obtained by double-station observations are shown. The brightness distributions of the Perseids are also presented. The maximum activity occurs at 12 August with the Index of Meteor Activity (particles to the Earth per 1 hour [2,3]) of 7×10^4 in 2012 and 1×10^4 in 2013. An additional peak was detected in 10 August 2013. The distributions of IMA for 2012–2013 Perseids are presented.

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