

SVMN observation of Draconids 2018 outburst

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An analysis of Slovak Video Meteor Network (SVMN) observation of Draconid meteor shower on Oct. 8, 2018, is presented. Three all-sky AMOS cameras were in operation during short-lived display of Draconids. Over hundred shower meteors are recorded within the outburst by single station. We derived ZHR counts for two stations in suitable time intervals. They reveal almost the same behaviour of the activity, in details. Overall it can be accounted to rather fine complex structure of the recent Draconid stream. Hereby we can identify at least three peaks in the count of shower meteors, on a short time scale. Multi-station orbits of the shower meteors gathered within the SVMN are analyzed and exact radiant area is derived. The results will be compared with data published after Draconids 2011 and 2012 outbursts (e.g. Tóth et al 2012; Quanzhi Ye et al, 2013, 2014).