

## **Meteoroid clusters**

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Several short-duration outbursts in which some meteors appear in a few seconds have been reported. This phenomenon is called a meteoroid cluster. The meteoroid cluster is considered to be the result of the fragmentation of the meteoroid in interplanetary space. We report two cases of the meteoroid cluster from multi-station television observation of the SonotaCo network. The first case belonged to the Perseid meteor shower, another case was sporadic meteor. In our presentation, the characteristics of the observed clusters are summarized. We also show a possible example of similar cluster for iron meteoroid where only iron emission lines are visible in the spectrum.