

An automatic video meteor observation at the Syowa station

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Observation of activity of meteor showers provide important information on the evolution of small bodies such as comets and asteroids in the solar system. However, most of optical (visual, photographic, video) observations have been carried out in the northern hemisphere, and therefore observations of both shower and sporadic meteors in the southern hemisphere of the celestial sphere are very limited. The goal of this study is to clarify such meteor activities in the southern hemisphere by continuous optical observations with video cameras with automatic detection and recording at Syowa station, Antarctica. The automatic video observation at Syowa station was started in late February and ended at end October 2012. We observed about 800 meteors in this period. We will present the primary results of the observations.