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Observations of the Perseids 2009 Using SPOSH Cameras

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Abstract

We will carry out a meteor observing campaign for the Perseids 2009 using SPOSH (Smart Panoramic Optical Sensor Head) cameras (see Fig. 1). The SPOSH camera (developed at DLR and Jena Optronik under contract to ESA/ESTEC) is well suited for meteor observations. The camera has a custom-made optical system with a field of view of 120 x 120° (170° x 170° over the image diagonal) and features a highly sensitive back-illuminated 1024 x 1024 CCD.

We expect to deploy two SPOSH cameras at suitable observing posts in Greece, expected to warrant low stray light levels and fair weather conditions. The campaign will be carried out involving students from the Technical University Berlin and students and amateur astronomers from Greece. Assuming a successful campaign, we will present observation results at the conference.

Fig. 1: SPOSH camera at dusk, ready for action