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Calibration of detective sensitivity of SPRINT-A/EXCEED

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SPRINT-A/EXCEED is an earth-orbiting space telescope which carries out the Extreme Ultraviolet (EUV) spectroscopic observations for planetary plasmas. The spectral range is from 55 to 145 nm and the spectral resolution is from 0.2 to 0.5 nm. It is essential to calibrate the detective sensitivity of the instrument to determine the intensity of EUV lights. Optical components are planned to be delivered in March 2011 and the calibration facility including the vacuum chamber are being built up. In this presentation, we show the current status of the calibration of the EUV optical components.

Keywords: SPRINT-A, EXCEED, EUV