



First Results from the Near-Infrared Spectrometer on SMART-1

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SIR is a spectrometer covering a wavelength range between 0.9 and 2.4 μm with a spectral resolution of $\Delta\lambda_{\text{pixel}} = 6$ nm, designed to prove the concept of a lightweight, highly integrated, grating spectrometer for near-infrared studies of planetary surfaces.

SIR, presently flown on the European SMART-1 mission, has reached the Moon in January 2005. We report on first measurements taken by the spectrometer.