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The On-Orbit Performance of the *Galaxy Evolution Explorer*

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Abstract

We report the first year's on-orbit performance results for the *Galaxy Evolution Explorer* (*GALEX*), a NASA Small Explorer that is performing a survey of the sky in two ultraviolet bands. The instrument comprises a 50 cm diameter modified Ritchey-Chrétien telescope with a 1°.25 field of view, selectable imaging and objective-grism spectroscopic modes, and an innovative optical system with a thin-film multilayer dichroic beam splitter that enables simultaneous imaging by a pair of photon-counting, microchannel-plate, delay-line readout detectors. Initial measurements demonstrate that *GALEX* is performing well, meeting its requirements for resolution, efficiency, astrometry, bandpass definition, and survey sensitivity.

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