

SOHO/UVCS Observations of Solar Eruptive Events

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We review coronal observations of solar eruptive events by the UVCS instrument on SOHO. UVCS observes the UV spectra of the solar corona from 1.5 to 10 solar radii. For the past ten years since the launch of SOHO, it has obtained a wealth of data on solar eruptive events which include CMEs, CME-driven shocks, jets, and post-CME current sheets. Spectral diagnostics from the UVCS data allow us to derive 3-dimensional velocity structure as well as physical properties, such as temperature, density and abundances, of these structures. They provide valuable information about the dynamical and heating properties of the eruption, and serve as empirical constraints for CME models.