

Abstract Submitted
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Swift Ultraviolet Observations of Supernovae¹ PETER BROWN,
Texas A&M — The Swift satellite's Ultra-Violet Optical Telescope has observed over 300 supernovae during its first nine years in operation. This represents an order of magnitude increase in the number of ultraviolet observations and has enhanced many active lines of inquiry. These include shock breakouts, bolometric light curves, progenitor constraints, and evolution with redshift. Ultraviolet observations are also very sensitive to many of the effects leading to possible systematic errors in using type Ia supernovae as cosmological distance indicators. I will describe the whole Swift supernova sample and highlight some of the most interesting objects observed by Swift.

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