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Monitoring the X-ray Sky with Swift Observations of Active Galactic Nuclei and Other Variable Sources

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Due to its ability to rapidly slew, with relatively minimal loss of observing time, Swift is able to look at many targets per day. This efficient pointing, combined with rapid response and the observatory's suite of sensitive telescopes covering multiple wavebands, make Swift an ideal monitoring observatory for the transient and variable sky. Swift regularly monitors a variety of active galactic nuclei (AGN) as part of long-term monitoring campaigns and as part of targeted multiwavelength campaigns with instruments ranging from radio to TeV gamma-rays. Swift is also observing gamma-ray unassociated sources from the Fermi catalog in an effort to identify X-ray counterparts, which are most likely to be AGN. We will report on the wealth of X-ray data that is available from these programs, while also highlighting some other results on variable X-ray sources.

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