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White Paper Title

Opportunities in Time-Domain Extragalactic Astrophysics with the NASA Near-Earth Object Camera (NEOCam)

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Brief Description/Comments

NEOCam is a NASA Planetary mission, whose goal is to discover and characterize asteroids and comets, to assess the hazard to Earth from near-Earth objects. NEOCam is a single-instrument, 50cm diameter telescope, that will observe in two simultaneous channels covering wavelengths of 4.0-5.2 μm and 6.0-10.0 μm . Here we highlight a series of time-domain extragalactic science cases using NEOCam data. Infrared space telescopes remain a cornerstone of the NASA Astrophysics portfolio, and in the case of NEOCam, extra data processing would be a huge benefit (at relatively minor cost) to Astrophysics.