

# MeerLICHT: MeerKAT's Optical Eye

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**Abstract.** MeerLICHT is a 65-cm optical telescope situated in Sutherland. The MeerLICHT project, as a part of the ThunderKAT project, will be linked to MeerKAT in real time, providing simultaneous optical and radio observations of the transient sky. Since transient events often require multi-wavelength observations within a short time-lapse, the combination of MeerLICHT and MeerKAT will provide invaluable information on emission at both wavelengths, including the relation between, and evolution of, emission from both wavelength windows. With the installation and commissioning of MeerLICHT now completed, early science with MeerLICHT has begun. The talk offered an overview of the MeerLICHT and ThunderKAT projects as a whole, presented early science results obtained with MeerLICHT, looked at future work with these projects, and discussed other related planned projects.

**Keywords.** Radio continuum: transients, stars, surveys

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