Proposal: C. Grier Cycle 27 HST GO

We propose ultraviolet (UV) imaging to construct spectral energy distributions (SEDs) for a sample of active galactic nuclei (AGN) at redshifts from ~0.3 to ~1.0 that have reverberation mapping (RM) measurements of the broad line region. We will use UV--optical SEDs to examine the origin of deviations of sources from the local radius-luminosity (R-L) relation that is used to estimate black hole masses in AGN at high redshift.

1. What might be the problem(s) to address?
2. What is the “key component”?
3. What is the “Target”?
4. What might be the facts to set the stage?
5. What might be the title?