

Abstract Submitted
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Standardized AGN Fields for Photometric Reverberation Mapping CARLA JUNE CARROLL, MICHAEL D. JONER, Brigham Young University — We present standardized Johnson/Cousins BVR photometry for comparison stars in the fields of several Active Galactic Nuclei. Our targets are part of a larger project using reverberation mapping techniques to determine the internal structure of the active region and to estimate the mass of the central black hole. We plan to present standard stars for fields including Zw 229-015, KA 1858, Mrk 817, Mrk 50, and NGC 4051. The next step will be to produce well standardized light curves for the active galaxies. All data for this project have been secured using the 0.91-meter telescope at the BYU West Mountain Observatory.

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