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## **The NIST Standard Stars Project: Sub-1% Absolute Stellar Photometry**

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NIST has undertaken a campaign to spectrophotometrically calibrate a suite of standard stars for top-of-the-atmosphere flux to a precision of better than 1%. We will describe our experimental approach and show some preliminary results. In addition to high quality spectrophotometric measurements, this project requires precise measurements of the atmospheric transmission in both the horizontal direction and along the line of sight from the observing telescope to the star. We are actively seeking input from the astronomical community on both our experimental approach and useful targets for inclusion in the catalog.

**Primary author:** WOODWARD, John (NIST)

**Presenter:** WOODWARD, John (NIST)

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