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## Characterization of the spectral irradiance measurement setup

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This presentation addresses sources of uncertainties in an ultraviolet (UV) spectroradiometry setup for measuring spectral irradiance. In UV spectroradiometry, spectral irradiance measurements have high uncertainties mainly due to a low signal-to-noise ratio (SNR) in the UV region; however other factors may also contribute to high uncertainties. Therefore determining the sources of uncertainties is important to improve the accuracy of the measured results. We perform characterization of the UV spectroradiometric setup to quantify certain sources of uncertainty in measurement associated with this setup. These include positioning and alignment of sources, scattered light, and the system temperature dependence.

**Apply to be considered for a student &nbsp; award (Yes / No)?**

yes

**Level for award (Hons, MSc, PhD, N/A)?**

MSc

**Main supervisor (name and email) and his / her institution**

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**Would you like to submit a short paper for the Conference Proceedings (Yes / No)?**

yes

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