

Updated Goal (requirements) 3 for: Grating Spectrometers, Thermopile Detectors, and Lock-In Detection Unit

Specifically, Goal 3:

- 3) Develop a program to measure, plot and store the output of the monochromator, in terms of # of photons/nm-cm²-s, as function of wavelength, for various lamp powers, and several slits widths.
- How does measured spectra compare to Black Body spectrum?
 - How does measured spectra compare to AM 1.5 spectrum
 - Develop a correction file to convert measured spectrum into either BB or AM 1.5 spectrum using Igor Pro.

Old Goal 3

Add to Goal 3

- Include information about calculations and assumptions (step by step).
- Include a comparison of measured data to the AM 1.5 and AM0 spectra in units of #photons/(s-cm²-nm).
- Specify definition of correction files as AM X(λ)/measured spectra (λ).
- Plot (measured spectra x correction file) for each case versus AM X spectra.