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Scattering Meter Calibration Sheet

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Wavelength: 700   S/N FLBBCDSLC-4728

Use the following equation to obtain either digital or analog "scaled" output values:

$$\beta(\theta_c) \ m^{-1} \ sr^{-1} = \textbf{\textcolor{red}{Scale Factor}} \ x \ \textbf{(Output - Dark Counts)}$$

- **Scale Factor for 700 nm**   =   1.622E-06 $(m^{-1}sr^{-1})$/counts
- **Output**   =   meter output counts
- **Dark Counts**   =   41 counts

     Instrument Resolution   =   1.0 counts

Definitions:

- **Scale Factor**: Calibration scale factor, $\beta(\theta_c)$/counts. Refer to User's Guide for derivation.

- **Output**: Measured signal output of the scattering meter.

- **Dark Counts**: Signal obtained by covering detector with black tape and submersing sensor in water.

Instrument Resolution: Standard deviation of 1 minute of collected data.