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Scattering Meter Calibration Sheet

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Wavelength: 532 S/N BB2FL-843

Use the following equation to obtain "scaled" output values:

$\beta(\theta_c) \text{ m}^{-1} \text{ sr}^{-1} = \text{Scale Factor } \times \text{ (Output - Dark Counts)}$

• Scale Factor for 532 nm = $4.600E-05 \text{ (m}^{-1}\text{sr}^{-1})/\text{counts}$

Output = meter reading counts

• Dark Counts = 54 counts

Instrument Resolution = 1.1 counts 5.28E-05 (m⁻¹sr⁻¹)

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.

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