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Scattering Meter Calibration Sheet

11/9/2022 Wavelength: 470

S/N BB3-7882

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

$\beta(\theta_c) \mathbf{m}^{-1} \mathbf{sr}^{-1} = \mathbf{S}$	cale	Factor x	(Outpı	ıt - Dark Counts)
 Scale Factor for 470 nm Output 	= =	1.098E-05 meter reading	5 (m ⁻¹ sr ⁻¹)/c counts	counts
Dark Counts	=	50) counts	
Instrument Resolution	=	1.0	counts	1.10E-05 (m ⁻¹ sr ⁻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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Scattering Meter Calibration Sheet

11/9/2022
Wavelength: 630

S/N BB3-7882

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

$\beta(\theta_c) \mathbf{m}^{-1} \mathbf{sr}^{-1} = \mathbf{S}_c$	cale	Factor × (Output - Dark Counts)
Scale Factor for 630 nm	=	3.709E-06 (m ⁻¹ sr ⁻¹)/counts
Output	=	meter reading counts
Dark Counts	=	39 counts
Instrument Resolution	=	1.2 counts 4.34E-06 (m ⁻¹ sr ⁻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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Scattering Meter Calibration Sheet

11/9/2022	
Wavelength:	715

S/N BB3-7882

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

$\beta(\theta_c) \mathbf{m}^{-1} \mathbf{sr}^{-1} = \mathbf{S}_c$	cale	Factor x (0	Outpu	it - Dark Counts)
 Scale Factor for 715nm Output 	=	2.854E-06 meter reading		/counts
Dark Counts	=	0	counts	
Instrument Resolution	=	1.4	counts	4.02E-06 (m ⁻¹ sr ⁻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.