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Scattering Meter Calibration Sheet

6/28/2016
Wavelength: 532 S/N BBFL2W-1481

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

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

• **Scale Factor for 532 nm**	=	7.031E-06	($m^{-1}sr^{-1}$)/counts	
• **Output**	=	meter reading	counts	
• **Dark Counts**	=	48	counts	
Instrument Resolution	=	1.1	counts	7.75E-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.