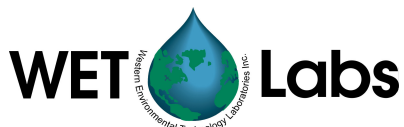


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Scattering Meter Calibration Sheet

12/18/2006	Customer: Monterey Bay Aquarium Research Institute	SO #: 361
Wavelength: 660	S/N#: BBSB-024R	Job #: 301005
		Tech: K.C.

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

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

• Scale Factor for 660 nm	=	3.699E-06 (counts)	3.049E-03 (volts)
• Output	=	meter output (counts)	meter output (volts)
• Dark Counts	=	64 (counts)	0.113 (volts)
Instrument Resolution	=	1.4 (counts)	5.23E-06 ($\text{m}^{-1} \text{sr}^{-1}$)
		0.5 (volts)	

Definitions:

- **Scale Factor:** Calibration scale factor, $\beta(\theta_c)/\text{counts}$. 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.