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ECO CDOM Fluorometer Characterization Sheet

Date: 4/30/2026

S/N: FLBBCDSLC-4729

CDOM concentration expressed in ppb can be derived using the equation:

CDOM (ppb) = Scale Factor * (Output - Dark Counts)

	Digital
Dark Counts	48 counts
Scale Factor (SF)	0.0905 ppb/count
Maximum Output	4130 counts
Resolution	1.3 counts
Ambient temperature during characterization	23.0 °C

Dark Counts: Signal output of the meter in clean water with black tape over detector.

SF: Determined using the following equation: SF = x ÷ (output - dark counts), where x is the concentration of the solution used during instrument characterization. SF is used to derive instrument output concentration from the raw signal output of the fluorometer.

Maximum Output: Maximum signal output the fluorometer is capable of.

Resolution: Standard deviation of 1 minute of collected data.