

PO Box 518
620 Applegate St.
Philomath, OR 97370



(541) 929-5650
Fax (541) 929-5277
www.seabird.com

PAR-LOG Calibration Sheet

Date: June 15, 2023

Serial #: 2297

Model #: In Water to 7000m

Calibration Coefficients

$$a_0 = 1.025513$$

$$a_1 = 0.813182$$

$$I_m = 1.3589$$

$$\text{PAR} = I_m \cdot 10^{(\text{signal} - a_0)/a_1} \quad [\mu\text{mol photons}/\text{m}^2/\text{s}]$$

For users of Sea-Bird Electronics data processing software, SEASOFT, calibration coefficients are converted in accordance with SEA-BIRD electronics application note No. 11 QSP-L. The corresponding coefficients for use in SEASOFT are :

$$\begin{aligned} \text{multiplier} &= 1.0 \\ B &= a_0 \\ M &= a_1 \\ \text{Calibration_const} &= 10^9 \\ \text{offset} &= 0 \end{aligned}$$