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# PAR-LOG Calibration Sheet

Date: December 12, 2018

Serial #: 1379  
Model #: In Water to 7000m  
Sales Order #: 505902172  
Customer: SEA-BIRD Electronics

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## Calibration Coefficients

$$a_0 = 1.019732324$$

$$a_1 = 8.080985419E-01$$

$$I_m = 1.3589$$

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

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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 :

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