Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0910

SBE 43 OXYGEN CALIBRATION DATA

CALIBRATION DATE: 17-Nov-15

COEFFICIENTS: A = -3.6822e-003NOMINAL DYNAMIC COEFFICIENTS B = 1.7684e-004Soc = 0.4637D1 = 1.92634e-4H1 = -3.300000e-2Voffset = -0.5053C = -2.8603e-006D2 = -4.64803e-2H2 = 5.00000e+3Tau20 = 1.97E nominal = 0.036H3 = 1.45000e + 3

| BATH OXYGEN (ml/l) | BATH TEMPERATURE (° C) | BATH SALINITY (PSU) | INSTRUMENT OUTPUT (volts) | INSTRUMENT OXYGEN (ml/l) | RESIDUAL (ml/l) |
|-----------------------|---------------------------|------------------------|------------------------------|-----------------------------|--------------------|
| 1.17 | 20.00 | 0.00 | 0.911 | 1.17 | -0.00 |
| 1.17 | 6.00 | 0.00 | 0.799 | 1.17 | -0.00 |
| 1.17 | 12.00 | 0.00 | 0.848 | 1.17 | -0.00 |
| 1.17 | 2.00 | 0.00 | 0.768 | 1.17 | -0.00 |
| 1.19 | 26.00 | 0.00 | 0.967 | 1.18 | -0.00 |
| 1.19 | 30.00 | 0.00 | 1.005 | 1.19 | -0.00 |
| 3.93 | 2.00 | 0.00 | 1.388 | 3.94 | 0.01 |
| 3.95 | 12.00 | 0.00 | 1.663 | 3.95 | 0.00 |
| 3.95 | 6.00 | 0.00 | 1.502 | 3.96 | 0.01 |
| 3.97 | 20.00 | 0.00 | 1.887 | 3.97 | -0.00 |
| 3.97 | 26.00 | 0.00 | 2.058 | 3.98 | 0.00 |
| 3.98 | 30.00 | 0.00 | 2.177 | 3.98 | 0.00 |
| 6.66 | 2.00 | 0.00 | 1.997 | 6.65 | -0.01 |
| 6.66 | 6.00 | 0.00 | 2.182 | 6.66 | -0.00 |
| 6.68 | 12.00 | 0.00 | 2.463 | 6.68 | -0.00 |
| 6.72 | 30.00 | 0.00 | 3.325 | 6.72 | -0.00 |
| 6.75 | 20.00 | 0.00 | 2.854 | 6.75 | -0.00 |
| 6.76 | 26.00 | 0.00 | 3.142 | 6.76 | 0.00 |

V = instrument output (volts); T = temperature (°C); S = salinity (PSU); K = temperature (°K)

Oxsat(T,S) = oxygen saturation (ml/l); P = pressure (dbar)

Oxygen (ml/l) = Soc * (V + Voffset) * (1.0 + A * T + B * T^2 + C * T^3) * Oxsat(T,S) * exp(E * P / K)

Residual (ml/l) = instrument oxygen - bath oxygen

