Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1858 CALIBRATION DATE: 21-Jan-12 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

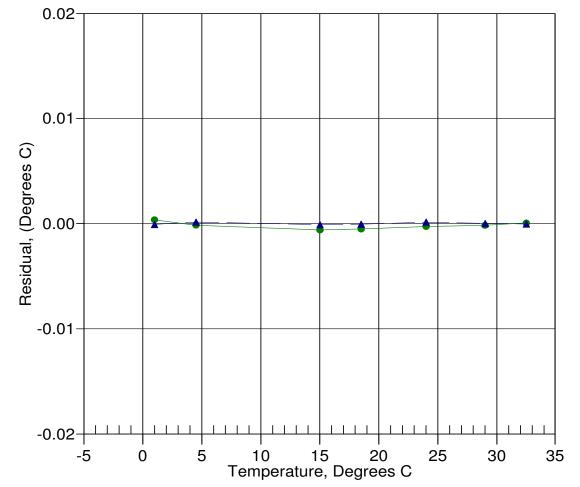
a0 = 1.497443e-005 a1 = 2.722223e-004 a2 = -1.973778e-006 a3 = 1.495494e-007

| BATH TEMP (ITS-90) | INSTRUMENT OUTPUT | INST TEMP (ITS-90) | RESIDUAL (ITS-90) |
|-----------------------|----------------------|-----------------------|----------------------|
| 0.9999 | 616288.4 | 0.9998 | -0.0001 |
| 4.4999 | 528359.8 | 4.5000 | 0.0001 |
| 15.0000 | 339335.5 | 14.9999 | -0.0001 |
| 18.5000 | 294541.0 | 18.4999 | -0.0001 |
| 24.0000 | 237155.4 | 24.0001 | 0.0001 |
| 29.0000 | 195902.5 | 29.0000 | 0.0000 |
| 32.5000 | 171925.7 | 32.5000 | -0.0000 |

Temperature ITS-90 = $1/{a0 + a1[ln(n)] + a2[ln^2(n)] + a3[ln^3(n)]} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

Date, Delta T (mdeg C)



21-Dec-10 -0.19 **1** 21-Jan-12 -0.00