

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1865
CALIBRATION DATE: 05-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.251894e-005
a1 = 2.850412e-004
a2 = -3.012424e-006
a3 = 1.784086e-007

| BATH TEMP (ITS-90) | INSTRUMENT OUTPUT | INST TEMP (ITS-90) | RESIDUAL (ITS-90) |
|-----------------------|----------------------|-----------------------|----------------------|
| 1.0000 | 581930.7 | 1.0000 | 0.0000 |
| 4.5000 | 498918.9 | 4.4999 | -0.0001 |
| 15.0000 | 320419.2 | 15.0001 | 0.0001 |
| 18.5000 | 278118.7 | 18.5000 | 0.0000 |
| 24.0000 | 223928.9 | 23.9999 | -0.0001 |
| 29.0000 | 184969.5 | 29.0001 | 0.0001 |
| 32.4999 | 162328.9 | 32.4999 | -0.0000 |

Temperature ITS-90 = $1/[a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

