

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3767
CALIBRATION DATE: 09-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.973183e-005
a1 = 2.698571e-004
a2 = -1.811425e-006
a3 = 1.431683e-007

| BATH TEMP (ITS-90) | INSTRUMENT OUTPUT | INST TEMP (ITS-90) | RESIDUAL (ITS-90) |
|-----------------------|----------------------|-----------------------|----------------------|
| 1.0000 | 643840.1 | 1.0000 | 0.0000 |
| 4.4999 | 551678.7 | 4.4999 | -0.0000 |
| 15.0000 | 353748.3 | 15.0001 | 0.0001 |
| 18.5000 | 306902.1 | 18.4999 | -0.0001 |
| 24.0000 | 246923.8 | 24.0001 | 0.0001 |
| 29.0000 | 203839.8 | 28.9999 | -0.0001 |
| 32.5000 | 178811.9 | 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

