

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4285
CALIBRATION DATE: 04-Mar-15

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.262950e-005
a1 = 2.745304e-004
a2 = -2.250472e-006
a3 = 1.509676e-007

| BATH TEMP (ITS-90) | INSTRUMENT OUTPUT | INST TEMP (ITS-90) | RESIDUAL (ITS-90) |
|-----------------------|----------------------|-----------------------|----------------------|
| 1.0000 | 736386.7 | 1.0000 | 0.0000 |
| 4.5000 | 630366.8 | 4.5000 | -0.0000 |
| 15.0000 | 403095.3 | 15.0000 | 0.0000 |
| 18.5000 | 349407.8 | 18.5000 | 0.0000 |
| 24.0000 | 280754.1 | 23.9999 | -0.0001 |
| 29.0000 | 231497.8 | 29.0000 | 0.0000 |
| 32.5000 | 202917.1 | 32.5000 | -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

n = instrument output

