

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0361
CALIBRATION DATE: 20-Nov-12

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 6.260280e-005
a1 = 2.695497e-004
a2 = -2.122089e-006
a3 = 1.419992e-007

| BATH TEMP (ITS-90) | INSTRUMENT OUTPUT | INST TEMP (ITS-90) | RESIDUAL (ITS-90) |
|-----------------------|----------------------|-----------------------|----------------------|
| 1.0000 | 689016.5 | 1.0000 | -0.0000 |
| 4.5000 | 587635.8 | 4.5000 | 0.0000 |
| 15.0000 | 371827.3 | 14.9999 | -0.0001 |
| 18.5000 | 321226.0 | 18.5000 | 0.0000 |
| 24.0000 | 256797.0 | 24.0000 | 0.0000 |
| 29.0000 | 210801.8 | 29.0000 | -0.0000 |
| 32.5000 | 184215.4 | 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

