

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 3769
CALIBRATION DATE: 07-Mar-15

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.584405e-005
a1 = 2.802933e-004
a2 = -2.552214e-006
a3 = 1.639881e-007

| BATH TEMP (ITS-90) | INSTRUMENT OUTPUT | INST TEMP (ITS-90) | RESIDUAL (ITS-90) |
|-----------------------|----------------------|-----------------------|----------------------|
| 1.0000 | 599668.1 | 1.0001 | 0.0001 |
| 4.5000 | 514154.2 | 4.4999 | -0.0001 |
| 15.0000 | 330279.9 | 15.0001 | 0.0001 |
| 18.5000 | 286705.1 | 18.5000 | 0.0000 |
| 24.0000 | 230880.9 | 23.9999 | -0.0001 |
| 29.0000 | 190744.7 | 28.9999 | -0.0001 |
| 32.5000 | 167415.5 | 32.5001 | 0.0001 |

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

