

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3770
CALIBRATION DATE: 07-Mar-15

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.097454e-004
a1 = 3.036254e-004
a2 = -4.101017e-006
a3 = 1.943043e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	800337.8	1.0001	0.0001
4.5000	686352.6	4.4998	-0.0002
15.0000	441238.8	15.0001	0.0001
18.5000	383145.4	18.5000	0.0000
24.0000	308711.7	24.0000	-0.0000
29.0000	255187.9	28.9999	-0.0001
32.5000	224070.2	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

