

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2003
CALIBRATION DATE: 21-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.514501e-005
a1 = 2.760691e-004
a2 = -2.461888e-006
a3 = 1.606090e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	635496.7	1.0000	-0.0000
4.4999	543975.4	4.4999	0.0000
15.0000	347768.9	15.0000	-0.0000
18.5000	301418.7	18.5000	-0.0000
24.0000	242148.0	24.0001	0.0001
29.0000	199629.0	29.0000	-0.0000
32.4999	174958.6	32.4999	-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

