

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2003
CALIBRATION DATE: 14-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.192313e-005
a1 = 2.846260e-004
a2 = -3.119598e-006
a3 = 1.774415e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	635499.9	1.0000	0.0000
4.5000	543978.0	4.4999	-0.0001
15.0000	347765.1	15.0000	0.0000
18.4999	301415.6	18.5000	0.0001
24.0000	242147.8	23.9999	-0.0001
29.0000	199629.6	29.0000	0.0000
32.5000	174961.0	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

