

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3768
CALIBRATION DATE: 07-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 2.418121e-005

a1 = 2.727018e-004

a2 = -2.001117e-006

a3 = 1.488614e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	597762.7	1.0000	0.0000
4.4999	512262.2	4.4998	-0.0001
15.0000	328590.7	15.0001	0.0001
18.5000	285108.6	18.5000	0.0000
23.9999	229434.8	23.9998	-0.0001
29.0001	189430.3	29.0001	0.0000
32.5001	166191.7	32.5001	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

