

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1851
CALIBRATION DATE: 07-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.268842e-006
a1 = 2.771714e-004
a2 = -2.431639e-006
a3 = 1.597455e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	634094.6	1.0000	0.0000
4.4999	543186.7	4.4998	-0.0001
15.0000	348026.3	15.0000	0.0000
18.5000	301857.0	18.5001	0.0001
23.9999	242770.9	23.9998	-0.0001
29.0001	200336.6	29.0001	-0.0000
32.5001	175696.9	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

