

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0818
CALIBRATION DATE: 30-Oct-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -9.000133e-006
a1 = 2.841528e-004
a2 = -2.943655e-006
a3 = 1.736293e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	576745.0	1.0000	0.0000
4.4999	494054.1	4.4998	-0.0001
15.0000	316540.5	15.0000	0.0000
18.5000	274548.9	18.5000	0.0000
24.0000	220809.5	24.0000	-0.0000
29.0000	182220.2	28.9999	-0.0001
32.5000	159811.9	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

