

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0417
CALIBRATION DATE: 30-Oct-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.417497e-005
a1 = 2.741538e-004
a2 = -2.356243e-006
a3 = 1.531019e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	693431.1	1.0000	0.0000
4.4999	592806.5	4.4998	-0.0001
15.0000	377613.0	15.0000	0.0000
18.5000	326913.8	18.5001	0.0001
24.0000	262182.7	24.0000	-0.0000
29.0000	215824.6	28.9999	-0.0001
32.5000	188961.5	32.5001	0.0001

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

