

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0804
CALIBRATION DATE: 16-Aug-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.181254e-004

a1 = 3.396138e-004

a2 = -6.814008e-006

a3 = 2.663615e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	654683.7	1.0000	0.0000
4.5000	561604.8	4.4999	-0.0001
15.0000	361349.8	15.0001	0.0001
18.5000	313864.3	18.5000	-0.0000
24.0000	253007.3	24.0000	-0.0000
29.0000	209235.7	28.9999	-0.0001
32.5000	183784.0	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

