

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 29-Oct-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 7.357884e-005

a1 = 2.800606e-004

a2 = -3.390254e-006

a3 = 1.907353e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	597654.8	1.0001	0.0001
4.5000	510149.8	4.4999	-0.0001
15.0000	323403.4	15.0000	0.0000
18.5000	279516.3	18.5001	0.0001
24.0000	223575.9	23.9999	-0.0001
29.0000	183592.3	29.0000	-0.0000
32.5000	160463.6	32.5000	0.0000

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

