

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0819
CALIBRATION DATE: 17-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.404534e-004

a1 = 3.414612e-004

a2 = -6.903825e-006

a3 = 2.715522e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	657344.6	1.0001	0.0001
4.5000	564533.6	4.4999	-0.0001
15.0000	364410.4	15.0001	0.0001
18.5000	316843.6	18.5000	0.0000
24.0000	255801.8	24.0000	0.0000
29.0000	211830.3	28.9999	-0.0001
32.5000	186230.3	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

