

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0810
CALIBRATION DATE: 01-May-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 5.514034e-006
a1 = 2.795977e-004
a2 = -2.699916e-006
a3 = 1.624837e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	636589.3	1.0000	0.0000
4.5000	544395.9	4.4999	-0.0001
15.0000	347126.1	15.0000	0.0000
18.5000	300619.8	18.5001	0.0001
24.0000	241222.2	23.9998	-0.0002
29.0000	198662.2	29.0001	0.0001
32.5000	173994.2	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

