

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1804
CALIBRATION DATE: 04-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.230092e-005

a1 = 2.866017e-004

a2 = -3.329631e-006

a3 = 1.822523e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	703375.9	1.0000	0.0000
4.5000	601995.5	4.5000	-0.0000
15.0000	384695.3	15.0000	-0.0000
18.5000	333372.9	18.5000	0.0000
24.0000	267758.2	24.0000	0.0000
29.0000	220697.8	28.9999	-0.0001
32.4999	193396.4	32.4999	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

