

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0811
CALIBRATION DATE: 14-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -4.922417e-005

a1 = 2.924555e-004

a2 = -3.718613e-006

a3 = 1.887573e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	641223.3	1.0000	0.0000
4.5000	548286.8	4.4999	-0.0001
15.0000	349469.7	15.0000	0.0000
18.4999	302612.0	18.5000	0.0001
24.0000	242771.7	24.0000	-0.0000
29.0000	199908.5	28.9999	-0.0001
32.5000	175066.7	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

