

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0824
CALIBRATION DATE: 14-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.606102e-004
a1 = 3.268660e-004
a2 = -5.780949e-006
a3 = 2.420561e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	625666.6	1.0000	-0.0000
4.5000	537116.0	4.5000	0.0000
15.0000	346346.5	15.0000	0.0000
18.4999	301040.0	18.4999	-0.0000
24.0000	242920.0	24.0000	-0.0000
29.0000	201073.1	29.0001	0.0001
32.5000	176721.8	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

