

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0817

CALIBRATION DATE: 13-Sep-14

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.955060e-004

a1 = 3.123240e-004

a2 = -4.829185e-006

a3 = 2.135681e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	685428.9	0.9997	-0.0002
4.5000	587303.3	4.5003	0.0003
15.0000	376683.9	14.9998	-0.0002
18.4999	326843.6	18.4999	-0.0000
24.0000	263047.9	24.0001	0.0001
29.0000	217228.3	29.0002	0.0002
32.5000	190618.5	32.4999	-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

n = instrument output

