

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0815

CALIBRATION DATE: 11-Sep-14

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.578561e-004

a1 = 3.231239e-004

a2 = -5.446819e-006

a3 = 2.365558e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	627209.5	1.0000	0.0001
4.5000	539050.2	4.4999	-0.0001
14.9999	348702.5	15.0000	0.0001
18.4999	303389.2	18.4999	0.0000
23.9999	245186.7	23.9999	-0.0000
29.0001	203213.9	29.0000	-0.0001
32.5000	178759.2	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

n = instrument output

