

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0827

CALIBRATION DATE: 13-Sep-14

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.591466e-004

a1 = 3.375800e-004

a2 = -6.929328e-006

a3 = 2.732118e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	597060.0	1.0000	0.0001
4.5000	511595.1	4.4999	-0.0001
15.0000	328063.3	15.0002	0.0002
18.4999	284638.5	18.4999	-0.0000
24.0000	229051.1	23.9999	-0.0001
29.0000	189128.1	29.0001	0.0001
32.5000	165944.6	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

n = instrument output

