

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0816

CALIBRATION DATE: 13-Sep-14

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.654430e-004

a1 = 3.454438e-004

a2 = -7.169648e-006

a3 = 2.802806e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	653816.2	0.9998	-0.0001
4.5000	561916.6	4.5001	0.0001
15.0000	363503.4	14.9999	-0.0001
18.4999	316269.8	18.4998	-0.0001
24.0000	255598.1	24.0000	0.0000
29.0000	211848.8	29.0002	0.0002
32.5000	186363.6	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

