

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3423

CALIBRATION DATE: 12-Sep-14

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.235519e-004

a1 = 3.290150e-004

a2 = -6.085872e-006

a3 = 2.455499e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	818483.4	1.0000	0.0000
4.5000	701905.5	4.5000	-0.0000
15.0000	451203.5	15.0001	0.0001
18.5000	391783.2	18.5000	-0.0000
24.0000	315651.2	23.9999	-0.0001
29.0000	260909.0	29.0001	0.0001
32.5000	229090.9	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

