

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0416

CALIBRATION DATE: 25-Sep-15

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.323868e-004

a1 = 3.222762e-004

a2 = -5.506610e-006

a3 = 2.328933e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	638207.6	1.0000	0.0000
4.5000	547326.0	4.4999	-0.0001
15.0000	351901.2	15.0000	-0.0000
18.5000	305582.3	18.5001	0.0001
24.0000	246239.6	24.0000	-0.0000
29.0000	203569.2	28.9999	-0.0001
32.5000	178762.7	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

