

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4254

CALIBRATION DATE: 11-Sep-14

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.771170e-005

a1 = 2.751112e-004

a2 = -2.200640e-006

a3 = 1.521149e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677952.2	1.0001	0.0001
4.5000	580926.5	4.4998	-0.0002
15.0000	372535.4	15.0000	-0.0000
18.5000	323207.2	18.5002	0.0002
24.0000	260062.7	24.0000	-0.0000
29.0000	214699.9	28.9997	-0.0003
32.5001	188344.4	32.5003	0.0002

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

