

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0470
CALIBRATION DATE: 21-Oct-15

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.464626e-005
a1 = 2.809863e-004
a2 = -2.792077e-006
a3 = 1.656657e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	705726.6	1.0000	-0.0000
4.5000	603969.3	4.5000	0.0000
15.0000	385929.5	15.0001	0.0001
18.5000	334449.9	18.4998	-0.0002
24.0000	268631.1	24.0001	0.0001
29.0000	221429.4	29.0001	0.0001
32.5000	194048.3	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

