

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0475

CALIBRATION DATE: 29-Sep-15

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.399036e-005

a1 = 2.866291e-004

a2 = -3.318251e-006

a3 = 1.778149e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	703585.6	1.0000	0.0000
4.5000	601520.5	4.5000	-0.0000
15.0000	383227.2	15.0000	-0.0000
18.4999	331790.9	18.5000	0.0001
24.0000	266114.8	24.0000	-0.0000
29.0000	219078.7	28.9999	-0.0001
32.4999	191823.3	32.4999	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

