

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3777

CALIBRATION DATE: 24-Sep-15

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.545931e-005

a1 = 2.783957e-004

a2 = -2.469929e-006

a3 = 1.596059e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	642671.2	1.0000	-0.0000
4.5000	550594.0	4.5001	0.0001
15.0000	352919.8	14.9998	-0.0002
18.5000	306138.0	18.5003	0.0003
24.0000	246270.6	23.9999	-0.0001
29.0000	203268.2	29.0001	0.0001
32.5000	178295.3	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

