

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3424

CALIBRATION DATE: 11-Sep-14

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.459521e-004

a1 = 3.084335e-004

a2 = -4.461947e-006

a3 = 2.037323e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	838149.4	1.0001	0.0001
4.5000	718987.0	4.4999	-0.0001
15.0000	462598.1	15.0000	0.0000
18.5000	401793.3	18.5000	0.0000
24.0000	323858.7	24.0001	0.0001
29.0000	267801.0	28.9997	-0.0003
32.5001	235196.1	32.5002	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

