

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3424
CALIBRATION DATE: 01-May-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.786155e-004

a1 = 3.158889e-004

a2 = -5.028326e-006

a3 = 2.180525e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	838165.8	1.0000	0.0000
4.5000	718997.3	4.4999	-0.0001
15.0000	462598.0	15.0000	0.0000
18.5000	401791.7	18.5000	0.0000
24.0000	323857.9	24.0000	-0.0000
29.0000	267797.2	29.0000	-0.0000
32.5000	235198.0	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

