

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2324
CALIBRATION DATE: 09-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.720354e-004

a1 = 3.237595e-004

a2 = -6.576559e-006

a3 = 2.713552e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	681166.8	1.0000	0.0000
4.4999	582327.5	4.4998	-0.0001
15.0000	370791.7	15.0000	0.0000
18.5000	320933.5	18.5000	0.0000
24.0000	257274.4	24.0000	-0.0000
29.0000	211690.1	28.9999	-0.0001
32.5000	185281.7	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

