

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2336
CALIBRATION DATE: 13-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.633766e-004
a1 = 3.766362e-004
a2 = -1.139532e-005
a3 = 4.192044e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	663532.7	1.0000	-0.0000
4.4999	568149.2	4.4999	0.0000
15.0000	363117.4	15.0000	0.0000
18.5000	314591.1	18.5000	-0.0000
24.0000	252507.6	23.9999	-0.0001
29.0000	207959.5	29.0001	0.0001
32.5000	182118.5	32.4999	-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

