

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3936
 CALIBRATION DATE: 31-Oct-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -6.462765e-005
 a1 = 2.903535e-004
 a2 = -3.404412e-006
 a3 = 1.831768e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	642684.2	0.9999	-0.0000
4.5000	550492.0	4.5000	0.0000
15.0000	352642.6	15.0000	-0.0000
18.5000	305847.3	18.5000	-0.0000
24.0000	245966.0	24.0000	-0.0000
29.0000	202971.3	29.0001	0.0001
32.5000	178009.0	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

