

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3936
 CALIBRATION DATE: 21-Nov-06

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -4.986566e-005
 a1 = 2.871203e-004
 a2 = -3.169213e-006
 a3 = 1.774969e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	642678.5	0.9999	0.0000
4.5000	550491.8	4.5000	-0.0000
15.0000	352640.6	15.0001	0.0001
18.5000	305848.1	18.4998	-0.0002
24.0000	245961.2	24.0001	0.0001
29.0000	202965.8	29.0000	-0.0000
32.5000	178000.5	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

