

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3937
 CALIBRATION DATE: 14-Dec-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.820080e-006
 a1 = 2.760328e-004
 a2 = -2.289731e-006
 a3 = 1.551797e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	643357.7	1.0000	0.0000
4.4999	551214.5	4.4999	-0.0000
15.0000	353358.0	14.9999	-0.0001
18.4999	306535.3	18.5000	0.0001
24.0000	246601.3	24.0000	-0.0000
28.9999	203553.2	28.9998	-0.0001
32.5000	178548.5	32.5001	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

