

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3937
 CALIBRATION DATE: 17-Nov-06

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -4.877029e-006
 a1 = 2.759422e-004
 a2 = -2.292714e-006
 a3 = 1.555183e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	643340.2	1.0001	0.0001
4.5001	551201.3	4.5000	-0.0001
15.0000	353349.6	15.0002	0.0002
18.5000	306531.6	18.4999	-0.0001
24.0000	246595.4	24.0001	0.0001
29.0000	203547.5	28.9998	-0.0002
32.5000	178542.2	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

