

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3937
 CALIBRATION DATE: 12-Jun-09

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 7.504864e-005
 a1 = 2.567296e-004
 a2 = -7.530644e-007
 a3 = 1.143833e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	643423.9	0.9999	0.0000
4.4999	551246.0	4.4999	-0.0000
15.0001	353356.6	15.0002	0.0001
18.5000	306535.8	18.5000	-0.0000
24.0001	246598.4	24.0001	-0.0000
29.0000	203547.1	29.0001	0.0001
32.5000	178543.2	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

