

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0814
 CALIBRATION DATE: 15-Nov-06

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.066313e-004
 a1 = 3.365066e-004
 a2 = -6.558513e-006
 a3 = 2.628471e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	639133.7	1.0000	0.0000
4.5000	548721.1	4.5000	-0.0000
15.0000	353892.5	15.0000	0.0000
18.5000	307612.5	18.5000	-0.0000
23.9999	248241.4	23.9999	0.0000
29.0000	205489.2	29.0000	-0.0000
32.5000	180609.1	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

