

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0814
CALIBRATION DATE: 21-Jul-07

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.186740e-004
a1 = 3.394143e-004
a2 = -6.791940e-006
a3 = 2.690741e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	639156.6	1.0000	0.0000
4.5000	548742.5	4.5000	-0.0000
15.0000	353903.6	15.0000	0.0000
18.5000	307620.7	18.5000	0.0000
24.0000	248247.3	23.9999	-0.0001
29.0000	205491.6	29.0001	0.0001
32.5000	180611.9	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

