

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2004
 CALIBRATION DATE: 31-May-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.854887e-005
 a1 = 2.708680e-004
 a2 = -2.063014e-006
 a3 = 1.485396e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	780261.4	1.0000	0.0000
4.5000	668106.4	4.5000	-0.0000
15.0001	427521.3	15.0000	-0.0001
18.5000	370644.4	18.5003	0.0003
24.0000	297898.7	23.9999	-0.0001
29.0000	245682.8	28.9999	-0.0001
32.5000	215373.9	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

