

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1242
 CALIBRATION DATE: 15-Nov-06

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.105365e-004
 a1 = 2.996921e-004
 a2 = -4.162014e-006
 a3 = 2.019891e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	668107.5	1.0000	-0.0000
4.5000	572114.6	4.5000	-0.0000
15.0000	366195.4	15.0000	0.0000
18.5000	317519.3	18.5000	-0.0000
23.9999	255252.6	23.9999	-0.0000
29.0000	210561.5	29.0000	0.0000
32.5000	184623.0	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

