

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0413
 CALIBRATION DATE: 31-May-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.960666e-005
 a1 = 2.761411e-004
 a2 = -2.509618e-006
 a3 = 1.550155e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	795148.2	1.0000	-0.0000
4.5000	679733.2	4.5000	0.0000
15.0001	432949.8	15.0001	-0.0000
18.5000	374812.9	18.5001	0.0001
24.0000	300587.7	24.0000	-0.0000
29.0000	247432.6	29.0000	0.0000
32.5000	216633.7	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

