

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0812
 CALIBRATION DATE: 04-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.856971e-004
 a1 = 3.412438e-004
 a2 = -7.146377e-006
 a3 = 2.763667e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	614947.6	0.9999	-0.0000
4.4999	526864.3	4.5000	0.0001
14.9999	337782.0	14.9998	-0.0001
18.4999	293049.3	18.4999	0.0000
23.9999	235803.8	24.0000	0.0001
29.0000	194697.9	29.0000	-0.0000
32.5000	170828.4	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

