

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0813
 CALIBRATION DATE: 04-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.657259e-004
 a1 = 3.447889e-004
 a2 = -7.150082e-006
 a3 = 2.794174e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	670417.2	0.9999	0.0000
4.4999	576080.5	4.4999	-0.0000
14.9999	372448.4	14.9998	-0.0001
18.4999	323986.9	18.5000	0.0001
23.9999	261761.7	23.9999	-0.0000
29.0000	216901.9	28.9999	-0.0001
32.5000	190770.6	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

