

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0813
 CALIBRATION DATE: 15-Nov-06

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.385317e-004
 a1 = 3.382220e-004
 a2 = -6.622850e-006
 a3 = 2.653431e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	670406.8	1.0000	0.0000
4.5000	576067.6	4.5000	-0.0000
15.0000	372440.0	15.0000	0.0000
18.5000	323985.2	18.5000	-0.0000
23.9999	261761.4	24.0000	0.0001
29.0000	216905.1	28.9999	-0.0001
32.5000	190774.3	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

