

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3318
 CALIBRATION DATE: 16-Dec-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.143664e-005
 a1 = 2.766862e-004
 a2 = -2.256129e-006
 a3 = 1.560919e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	662238.5	1.0001	0.0001
4.5000	568056.1	4.4999	-0.0001
15.0000	365369.3	15.0001	0.0001
18.4999	317294.6	18.4999	0.0000
24.0000	255669.1	23.9999	-0.0001
28.9999	211335.4	28.9999	-0.0000
32.4999	185554.3	32.4999	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

