

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1242
 CALIBRATION DATE: 04-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.197912e-004
 a1 = 3.018140e-004
 a2 = -4.323975e-006
 a3 = 2.061053e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	668107.4	0.9999	0.0000
4.4999	572116.3	4.4998	-0.0001
14.9999	366193.2	15.0000	0.0001
18.4999	317518.8	18.4998	-0.0001
23.9999	255250.4	23.9999	0.0000
29.0000	210561.7	28.9999	-0.0001
32.5000	184622.7	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

