

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4303
 CALIBRATION DATE: 01-Feb-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.297097e-004
 a1 = 2.997273e-004
 a2 = -4.133538e-006
 a3 = 2.005498e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	707552.2	0.9998	-0.0002
4.5000	606030.6	4.5003	0.0003
14.9999	388193.5	14.9997	-0.0002
18.5000	336669.3	18.4998	-0.0002
23.9998	270738.8	24.0001	0.0003
29.0000	223408.7	29.0000	0.0000
32.5000	195929.7	32.4999	-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

