

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2448
 CALIBRATION DATE: 14-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -7.805508e-005
 a1 = 2.954706e-004
 a2 = -3.966091e-006
 a3 = 1.957008e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677389.6	1.0000	-0.0000
4.5000	579372.2	4.5001	0.0001
15.0000	369576.6	14.9999	-0.0001
18.5000	320098.1	18.5000	0.0000
23.9999	256893.2	23.9998	-0.0001
29.0000	211597.9	29.0002	0.0002
32.5000	185344.1	32.4999	-0.0001

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

