

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3722
 CALIBRATION DATE: 31-May-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.911389e-004
 a1 = 1.820157e-004
 a2 = 5.028480e-006
 a3 = -3.475139e-008

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0001	655983.6	1.0008	0.0007
4.5000	562078.7	4.4988	-0.0012
15.0001	360348.5	15.0005	0.0004
18.5001	312609.3	18.5011	0.0010
24.0000	251515.9	23.9994	-0.0006
29.0001	207609.0	28.9988	-0.0013
32.5000	182080.5	32.5010	0.0010

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

