

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2002
 CALIBRATION DATE: 30-May-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.576997e-005
 a1 = 2.861244e-004
 a2 = -3.500205e-006
 a3 = 1.849928e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	689375.2	1.0005	0.0005
4.5000	588875.4	4.4991	-0.0009
15.0000	374120.9	15.0009	0.0009
18.4999	323621.2	18.5002	0.0003
24.0000	259207.8	23.9987	-0.0013
29.0000	213100.9	29.0006	0.0006
32.5000	186425.6	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

