

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2003
 CALIBRATION DATE: 05-Dec-06

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.975316e-004
 a1 = 2.328413e-004
 a2 = 9.514789e-007
 a3 = 7.082315e-008

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	635468.2	1.0003	0.0003
4.5000	543948.6	4.4995	-0.0005
15.0000	347732.8	15.0007	0.0007
18.5000	301403.6	18.4996	-0.0004
24.0000	242135.1	24.0002	0.0002
29.0000	199621.9	28.9994	-0.0006
32.5000	174941.7	32.5003	0.0003

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

