

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1245
 CALIBRATION DATE: 17-Nov-06

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -7.990442e-005
 a1 = 2.961263e-004
 a2 = -3.891018e-006
 a3 = 1.973583e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	623936.1	1.0000	-0.0000
4.5000	534469.9	4.5000	0.0000
14.9999	342424.7	14.9999	0.0000
18.5000	296993.9	18.4999	-0.0001
24.0000	238854.4	24.0000	0.0000
29.0000	197109.0	29.0000	0.0000
32.5000	172869.9	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

