

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0823
 CALIBRATION DATE: 07-Dec-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.823450e-004
 a1 = 3.362822e-004
 a2 = -6.678292e-006
 a3 = 2.657315e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	624873.5	1.0000	-0.0000
4.5000	535914.1	4.5000	0.0000
15.0000	344585.0	14.9999	-0.0001
18.5000	299227.7	18.5000	0.0000
24.0000	241112.5	24.0001	0.0001
29.0000	199325.5	28.9999	-0.0001
32.5000	175032.7	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

