

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0819
 CALIBRATION DATE: 07-Dec-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.073444e-004
 a1 = 3.338132e-004
 a2 = -6.315882e-006
 a3 = 2.565154e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	657309.9	1.0000	-0.0000
4.5000	564503.2	4.5000	0.0000
15.0000	364400.5	15.0000	-0.0000
18.5000	316836.0	18.5000	0.0000
24.0000	255796.9	23.9999	-0.0001
29.0000	211823.5	29.0001	0.0001
32.5000	186225.0	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

