

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0818
 CALIBRATION DATE: 07-Dec-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.233219e-005
 a1 = 2.897842e-004
 a2 = -3.397114e-006
 a3 = 1.858111e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	576726.1	1.0000	-0.0000
4.5000	494039.5	4.5000	0.0000
15.0000	316541.3	15.0000	-0.0000
18.5000	274549.8	18.5000	0.0000
24.0000	220810.6	24.0000	-0.0000
29.0000	182221.6	29.0000	0.0000
32.5000	159814.6	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

