

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3767
CALIBRATION DATE: 12-Jan-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.459874e-006
a1 = 2.752014e-004
a2 = -2.222115e-006
a3 = 1.536940e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	643829.5	1.0001	0.0001
4.5000	551671.9	4.4999	-0.0001
15.0000	353746.3	15.0000	0.0000
18.4999	306900.2	18.5000	0.0001
23.9999	246927.0	23.9999	-0.0000
28.9999	203844.0	28.9998	-0.0001
32.5000	178816.4	32.5001	0.0001

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

