

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3767
CALIBRATION DATE: 22-Dec-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.756642e-005
a1 = 2.807923e-004
a2 = -2.656069e-006
a3 = 1.649718e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	643775.9	1.0000	0.0000
4.5000	551631.5	4.5000	-0.0000
15.0000	353736.7	15.0000	-0.0000
18.4999	306895.2	18.4999	0.0000
23.9999	246927.6	23.9999	-0.0000
29.0000	203847.8	29.0000	-0.0000
32.5000	178824.7	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

