

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0824
CALIBRATION DATE: 19-Dec-07

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.403384e-004
a1 = 3.457491e-004
a2 = -7.269983e-006
a3 = 2.811465e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	625692.5	1.0000	-0.0000
4.5000	537143.1	4.5000	0.0000
15.0000	346357.5	15.0000	-0.0000
24.0000	242921.4	24.0000	0.0000
29.0000	201074.2	29.0000	-0.0000
32.5000	176723.0	32.5000	0.0000

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

