

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3424
CALIBRATION DATE: 24-Aug-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.632306e-004
a1 = 3.124893e-004
a2 = -4.777158e-006
a3 = 2.118497e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	838157.7	1.0000	0.0000
4.5000	718988.2	4.4999	-0.0001
15.0000	462582.7	15.0001	0.0001
18.5000	401777.2	18.5000	-0.0000
24.0000	323842.6	23.9999	-0.0001
29.0000	267777.8	29.0001	0.0001
32.5000	235179.3	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

