

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3424
CALIBRATION DATE: 30-May-07

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.210163e-004

a1 = 3.721691e-004

a2 = -9.380148e-006

a3 = 3.301292e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	838113.2	0.9996	-0.0004
4.5000	718945.6	4.5007	0.0007
15.0000	462592.0	14.9992	-0.0008
18.4999	401764.4	18.5000	0.0001
24.0000	323822.1	24.0004	0.0004
29.0000	267768.8	29.0002	0.0002
32.5000	235181.8	32.4998	-0.0002

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

Residual = instrument temperature - bath temperature

