

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1246
CALIBRATION DATE: 04-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.028563e-005

a1 = 2.879997e-004

a2 = -3.318311e-006

a3 = 1.814394e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	612813.5	0.9999	0.0000
4.4999	524536.2	4.4999	-0.0000
14.9999	335319.0	14.9999	-0.0000
18.4999	290626.6	18.5000	0.0001
23.9999	233484.9	23.9999	-0.0000
29.0000	192494.8	29.0000	-0.0000
32.5000	168713.8	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

