

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1245
 CALIBRATION DATE: 04-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -9.256001e-005
 a1 = 2.993774e-004
 a2 = -4.166371e-006
 a3 = 2.050586e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	623951.5	0.9999	0.0000
4.4999	534489.1	4.4998	-0.0001
14.9999	342431.1	15.0000	0.0001
18.4999	296998.4	18.4999	-0.0000
23.9999	238853.4	24.0000	0.0001
29.0000	197105.6	28.9998	-0.0002
32.5000	172862.7	32.5001	0.0001

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

