

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0826
 CALIBRATION DATE: 06-Nov-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.703811e-005
 a1 = 2.816241e-004
 a2 = -2.897660e-006
 a3 = 1.657001e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	737311.5	0.9999	-0.0001
4.4999	630381.8	4.5000	0.0001
15.0000	401690.0	14.9999	-0.0001
18.4999	347801.2	18.4998	-0.0001
23.9999	278984.6	23.9999	0.0000
28.9999	229695.7	29.0000	0.0001
32.5001	201133.7	32.5000	-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

