

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0826
 CALIBRATION DATE: 31-May-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -7.393214e-005
 a1 = 2.901894e-004
 a2 = -3.560742e-006
 a3 = 1.828207e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0001	737271.3	1.0001	0.0000
4.5000	630360.1	4.5000	-0.0000
15.0000	401679.9	15.0000	-0.0000
18.5000	347790.4	18.5001	0.0001
24.0000	278979.7	24.0000	0.0000
29.0000	229695.8	28.9999	-0.0001
32.5000	201135.0	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

