

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2448
 CALIBRATION DATE: 03-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.009409e-004
 a1 = 3.481084e-004
 a2 = -8.105894e-006
 a3 = 3.041234e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677403.7	0.9998	-0.0002
4.5000	579395.9	4.5004	0.0004
15.0002	369590.7	14.9999	-0.0003
18.5000	320105.6	18.4997	-0.0003
24.0000	256875.5	24.0010	0.0010
29.0001	211599.4	28.9993	-0.0008
32.5000	185340.6	32.5002	0.0002

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

