

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0416
 CALIBRATION DATE: 17-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.211899e-004
 a1 = 3.198088e-004
 a2 = -5.324701e-006
 a3 = 2.283932e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	638268.1	1.0002	0.0002
4.4999	547384.3	4.4996	-0.0003
15.0000	351920.9	15.0002	0.0002
18.5000	305597.5	18.5001	0.0001
24.0000	246248.9	23.9998	-0.0002
29.0000	203571.6	28.9998	-0.0002
32.5001	178759.9	32.5003	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

