

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0416
 CALIBRATION DATE: 15-Apr-09

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.322879e-004
 a1 = 3.220373e-004
 a2 = -5.470731e-006
 a3 = 2.315012e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	638227.5	1.0000	0.0000
4.4999	547337.7	4.4999	-0.0000
15.0000	351901.7	15.0000	-0.0000
18.5001	305582.0	18.5001	0.0000
24.0000	246240.2	24.0000	0.0000
28.9999	203572.2	28.9998	-0.0001
32.5000	178766.2	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

