

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 20-Aug-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.932151e-006

a1 = 2.757458e-004

a2 = -2.266731e-006

a3 = 1.544075e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	642676.0	1.0000	0.0000
4.5000	550601.6	4.5000	-0.0000
15.0000	352916.5	15.0001	0.0001
18.5000	306143.4	18.4999	-0.0001
24.0000	246268.7	24.0000	0.0000
29.0000	203266.9	29.0000	-0.0000
32.5000	178292.4	32.5000	0.0000

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

