

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2333
CALIBRATION DATE: 23-Aug-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.630789e-004
a1 = 3.225359e-004
a2 = -6.592861e-006
a3 = 2.716465e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	704160.3	1.0000	0.0000
4.4999	601587.7	4.4999	-0.0000
15.0000	382314.3	15.0000	0.0000
18.5000	330696.9	18.5000	-0.0000
23.9999	264838.7	23.9999	-0.0000
29.0000	217719.7	29.0000	0.0000
32.4999	190443.8	32.4999	-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

