

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2333
CALIBRATION DATE: 10-Sep-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.052779e-004
a1 = 3.089480e-004
a2 = -5.528985e-006
a3 = 2.439085e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	704137.6	0.9999	-0.0000
4.4999	601559.0	4.4999	0.0000
15.0000	382300.5	15.0000	-0.0000
18.5000	330685.2	18.5000	0.0000
24.0000	264830.7	24.0000	0.0000
29.0000	217714.9	28.9999	-0.0001
32.5000	190437.0	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

