

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0470
CALIBRATION DATE: 01-Dec-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.543365e-005
a1 = 2.857271e-004
a2 = -3.152054e-006
a3 = 1.747684e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	705722.2	0.9998	-0.0001
4.4999	603961.5	4.5000	0.0001
15.0000	385924.4	14.9999	-0.0001
18.5000	334441.5	18.5000	-0.0000
24.0000	268625.9	24.0001	0.0001
29.0000	221428.3	29.0000	-0.0000
32.5000	194048.1	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

