

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0817
CALIBRATION DATE: 10-Dec-09

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.788835e-004
a1 = 3.319178e-004
a2 = -6.359916e-006
a3 = 2.533128e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	685533.6	1.0000	-0.0000
4.5000	587399.4	4.5000	-0.0000
15.0000	376708.5	15.0001	0.0001
18.4999	326861.0	18.4998	-0.0001
24.0000	263052.5	24.0000	0.0000
29.0000	217227.5	29.0001	0.0001
32.5001	190614.4	32.5001	-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

