

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0817
 CALIBRATION DATE: 21-Jul-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.475885e-004
 a1 = 3.249184e-004
 a2 = -5.839624e-006
 a3 = 2.404595e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	685532.0	1.0000	0.0000
4.5000	587405.0	4.5000	-0.0000
15.0000	376720.3	15.0000	-0.0000
18.5000	326867.3	18.5000	0.0000
24.0000	263058.9	23.9999	-0.0001
29.0000	217228.4	29.0000	0.0000
32.5000	190612.1	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

