

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3532
 CALIBRATION DATE: 21-Jul-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.171477e-004
 a1 = 3.067256e-004
 a2 = -4.354515e-006
 a3 = 2.020055e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	781265.6	0.9999	-0.0001
4.5000	670083.0	4.5001	0.0001
15.0000	430954.9	14.9999	-0.0001
18.5000	374257.7	18.5000	-0.0000
24.0000	301601.0	24.0000	0.0000
29.0000	249344.7	29.0001	0.0001
32.5000	218964.6	32.4999	-0.0001

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

