

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1246
 CALIBRATION DATE: 17-Nov-06

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.808121e-005
 a1 = 2.850568e-004
 a2 = -3.081374e-006
 a3 = 1.750686e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	612837.5	1.0000	-0.0000
4.5000	524550.0	4.5000	0.0000
14.9999	335323.5	14.9999	0.0000
18.5000	290630.1	18.4999	-0.0001
24.0000	233485.5	24.0000	-0.0000
29.0000	192494.8	29.0001	0.0001
32.5000	168714.2	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

