

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0661
 CALIBRATION DATE: 06-Nov-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -6.856523e-005
 a1 = 2.865349e-004
 a2 = -3.110797e-006
 a3 = 1.751938e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	691029.0	0.9999	-0.0001
4.4999	592003.8	4.5000	0.0001
15.0000	379415.9	14.9998	-0.0002
18.4999	329113.2	18.5000	0.0001
23.9999	264736.4	23.9999	-0.0000
28.9999	218500.8	29.0000	0.0001
32.5001	191650.4	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

