

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0827
 CALIBRATION DATE: 06-Nov-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.325009e-004
 a1 = 3.310691e-004
 a2 = -6.398861e-006
 a3 = 2.588000e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	597099.5	1.0000	-0.0000
4.4999	511616.5	4.4999	0.0000
15.0000	328070.3	15.0000	-0.0000
18.4999	284640.6	18.4999	-0.0000
23.9999	229052.2	23.9999	0.0000
28.9999	189129.8	28.9999	0.0000
32.5001	165944.6	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

