

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4254
 CALIBRATION DATE: 12-Dec-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.380239e-004
 a1 = 3.038313e-004
 a2 = -4.486011e-006
 a3 = 2.127374e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677859.1	0.9999	-0.0001
4.4999	580872.1	4.5000	0.0001
15.0000	372529.2	15.0000	0.0000
18.5000	323208.9	18.4998	-0.0002
23.9998	260060.9	23.9999	0.0001
29.0000	214695.9	29.0001	0.0001
32.5001	188347.8	32.5000	-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

