

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1251
CALIBRATION DATE: 07-Dec-07

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.865710e-005

a1 = 2.864889e-004

a2 = -3.082677e-006

a3 = 1.788337e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	578646.5	1.0000	-0.0000
4.5000	496040.4	4.5000	0.0000
15.0000	318479.4	15.0000	-0.0000
18.5000	276411.6	18.5000	0.0000
24.0000	222529.6	24.0000	-0.0000
29.0000	183799.4	29.0001	0.0001
32.5000	161294.0	32.5000	-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

