

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0825
CALIBRATION DATE: 12-Dec-07

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -6.218046e-005
a1 = 2.889913e-004
a2 = -3.525901e-006
a3 = 1.824586e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	734691.0	1.0000	-0.0000
4.5000	627985.8	4.5000	0.0000
15.0000	399856.9	15.0000	-0.0000
18.5000	346124.0	18.5000	-0.0000
24.0000	277531.0	24.0000	-0.0000
29.0000	228418.3	29.0001	0.0001
32.5001	199966.8	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

