

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3762
CALIBRATION DATE: 20-Jan-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.136573e-005
a1 = 2.668724e-004
a2 = -1.568927e-006
a3 = 1.372119e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	642024.4	1.0000	-0.0000
4.4999	550202.7	4.4999	0.0000
15.0000	352951.8	15.0000	0.0000
18.5000	306251.9	18.4999	-0.0001
24.0000	246450.9	24.0001	0.0001
29.0000	203484.2	29.0000	-0.0000
32.5001	178520.9	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

