

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3762
CALIBRATION DATE: 05-Jan-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.203556e-005

a1 = 2.712999e-004

a2 = -1.907640e-006

a3 = 1.458731e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	641982.6	1.0001	0.0001
4.5000	550175.2	4.4998	-0.0002
14.9999	352939.8	15.0000	0.0001
18.5000	306241.3	18.5001	0.0001
24.0000	246448.9	23.9999	-0.0001
29.0000	203485.7	28.9999	-0.0001
32.5000	178524.0	32.5001	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

