

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4921
CALIBRATION DATE: 04-Mar-09

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -4.183498e-005
a1 = 2.827428e-004
a2 = -2.945041e-006
a3 = 1.685220e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	716084.2	0.9999	0.0000
4.4999	612613.1	4.4998	-0.0001
15.0000	391042.4	15.0001	0.0001
18.5000	338767.8	18.5000	-0.0000
24.0000	271967.9	23.9999	-0.0001
29.0000	224082.7	29.0000	0.0000
32.5001	196315.3	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

