

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4921
CALIBRATION DATE: 06-Mar-07

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 4.058846e-006
a1 = 2.722888e-004
a2 = -2.151919e-006
a3 = 1.484827e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	716063.2	1.0000	0.0000
4.5000	612596.8	4.4999	-0.0001
14.9999	391041.4	14.9999	0.0000
18.4999	338765.0	18.5000	0.0001
24.0000	271963.1	23.9999	-0.0001
28.9999	224076.1	28.9999	-0.0000
32.5000	196304.9	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

