

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1852
CALIBRATION DATE: 19-Jan-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.257838e-004
a1 = 2.959154e-004
a2 = -3.816550e-006
a3 = 1.965821e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	706612.5	1.0001	0.0001
4.5000	606036.4	4.4999	-0.0001
15.0000	389620.7	15.0001	0.0001
18.5000	338298.5	18.5000	0.0000
23.9999	272525.5	23.9999	-0.0000
29.0000	225218.6	28.9999	-0.0001
32.4999	197714.4	32.5000	0.0001

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

