

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0811
 CALIBRATION DATE: 08-Dec-09

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.108498e-006
 a1 = 2.822152e-004
 a2 = -2.926236e-006
 a3 = 1.683206e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0001	641216.0	1.0001	0.0000
4.5000	548282.1	4.4999	-0.0001
14.9999	349465.0	15.0000	0.0001
18.5000	302608.3	18.4999	-0.0001
24.0000	242767.0	23.9999	-0.0001
29.0000	199900.1	29.0000	0.0000
32.4999	175058.1	32.4999	-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

