

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0813
 CALIBRATION DATE: 08-Dec-09

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.346029e-004
 a1 = 3.372389e-004
 a2 = -6.541244e-006
 a3 = 2.630920e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0001	670424.1	1.0001	0.0000
4.5000	576082.1	4.5000	-0.0000
14.9999	372449.4	14.9999	0.0000
18.5000	323991.8	18.5000	-0.0000
24.0000	261767.4	24.0000	-0.0000
29.0000	216908.9	29.0000	0.0000
32.4999	190780.3	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

