

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0475
 CALIBRATION DATE: 06-Nov-08

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.414663e-005
 a1 = 2.818772e-004
 a2 = -2.938590e-006
 a3 = 1.676978e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	703598.0	0.9999	-0.0001
4.4999	601519.2	4.5000	0.0001
15.0000	383220.7	14.9999	-0.0001
18.4999	331783.8	18.4999	0.0000
23.9999	266109.0	23.9999	-0.0000
28.9999	219071.7	29.0000	0.0001
32.5001	191816.9	32.5000	-0.0001

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

