

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0473
 CALIBRATION DATE: 30-May-07

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.161912e-005
 a1 = 2.820536e-004
 a2 = -2.958874e-006
 a3 = 1.665473e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	783569.6	1.0000	0.0000
4.5000	669828.8	4.5000	-0.0000
15.0000	426625.2	15.0000	-0.0000
18.4999	369332.0	18.5000	0.0001
24.0000	296187.5	24.0000	-0.0000
29.0000	243809.4	28.9999	-0.0001
32.5000	213460.2	32.5001	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

