

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0661
CALIBRATION DATE: 31-May-07

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.968827e-005
a1 = 2.797085e-004
a2 = -2.572855e-006
a3 = 1.610629e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0001	691037.0	1.0001	0.0000
4.5000	592010.3	4.5000	-0.0000
15.0000	379412.3	15.0000	0.0000
24.0000	264734.0	24.0000	0.0000
29.0000	218500.2	28.9999	-0.0001
32.5000	191648.7	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

