

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3318
CALIBRATION DATE: 20-Jun-06

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -6.687730e-005

a1 = 2.849830e-004

a2 = -2.904733e-006

a3 = 1.730243e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	662211.5	0.9999	-0.0001
4.5000	568033.2	4.5001	0.0001
15.0000	365370.5	15.0000	-0.0000
18.5000	317296.9	18.4999	-0.0001
23.9999	255672.4	24.0000	0.0001
28.9999	211342.2	28.9999	0.0000
32.5001	185562.5	32.5001	-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

