

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0416
CALIBRATION DATE: 04-Jun-08

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.326662e-004
a1 = 3.223606e-004
a2 = -5.514579e-006
a3 = 2.331315e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	638222.3	1.0000	0.0001
4.4999	547341.0	4.4998	-0.0001
14.9999	351907.4	15.0000	0.0001
18.4999	305588.8	18.4999	0.0000
23.9999	246243.7	23.9999	0.0000
29.0000	203572.1	28.9998	-0.0002
32.5000	178764.1	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

