

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0829
CALIBRATION DATE: 07-Jul-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.513476e-005

a1 = 2.823531e-004

a2 = -2.971850e-006

a3 = 1.693956e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	695203.5	0.9999	0.0000
4.5000	594472.5	4.5000	-0.0000
15.0000	378958.9	15.0000	0.0000
18.5000	328156.8	18.5000	0.0000
24.0000	263274.0	24.0000	0.0000
29.0000	216793.9	28.9999	-0.0001
32.5000	189852.7	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

