

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0815
CALIBRATION DATE: 14-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.263760e-004
a1 = 3.155403e-004
a2 = -4.839373e-006
a3 = 2.203754e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	627202.7	1.0000	-0.0000
4.5000	539038.8	4.5001	0.0001
15.0000	348701.0	14.9999	-0.0001
18.4999	303389.6	18.5000	0.0001
24.0000	245190.0	23.9999	-0.0001
29.0000	203218.2	29.0001	0.0001
32.5000	178765.5	32.4999	-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

