

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4303
CALIBRATION DATE: 08-Dec-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.908950e-005
a1 = 2.834281e-004
a2 = -2.879013e-006
a3 = 1.683474e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	707569.5	1.0001	0.0001
4.5000	606056.6	4.4998	-0.0002
14.9999	388192.3	15.0000	0.0001
18.5001	336664.5	18.5002	0.0001
24.0000	270736.0	24.0000	0.0000
29.0000	223401.7	28.9997	-0.0003
32.5000	195914.3	32.5002	0.0002

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

