

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4303
CALIBRATION DATE: 20-Dec-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -7.136812e-005
a1 = 2.864815e-004
a2 = -3.131966e-006
a3 = 1.753272e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	707540.2	1.0000	-0.0000
4.5000	606033.0	4.5001	0.0001
15.0000	388194.1	14.9998	-0.0002
18.5000	336666.3	18.5002	0.0002
24.0000	270738.5	24.0000	-0.0000
29.0000	223401.0	29.0000	0.0000
32.5000	195916.8	32.5000	-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

