

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0987
CALIBRATION DATE: 09-Dec-11

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.355378e-004

a1 = 3.154435e-004

a2 = -5.058892e-006

a3 = 2.138634e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	875327.9	-1.5001	0.0000
0.9999	781690.5	0.9999	-0.0000
4.4999	669125.5	4.4999	-0.0000
7.9999	574667.6	7.9999	-0.0000
11.4999	495134.1	11.4999	0.0000
14.9999	427944.6	14.9999	0.0000
18.4999	370999.8	18.4999	0.0000
21.9999	322584.9	21.9999	-0.0000
25.4999	281296.2	25.4999	-0.0000
28.9999	245978.9	28.9999	-0.0000
32.4999	215681.2	32.5000	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

