

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0816
CALIBRATION DATE: 17-Jan-12

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 7.630803e-006

a1 = 2.738345e-004

a2 = -2.338181e-006

a3 = 1.482785e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	831056.4	-1.5001	-0.0000
0.9999	740892.9	0.9999	0.0000
4.4999	632712.3	4.4999	-0.0000
7.9999	542130.8	7.9999	-0.0000
11.4999	466022.0	11.4999	0.0000
14.9999	401859.1	14.9999	0.0000
18.4999	347590.9	18.4999	-0.0000
21.9999	301543.7	21.9999	-0.0000
25.4999	262351.6	25.4999	0.0000
28.9999	228894.3	28.9999	-0.0000
32.4999	200248.0	32.4999	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

