

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0804
CALIBRATION DATE: 17-Jan-12

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.345120e-005
a1 = 2.707752e-004
a2 = -2.103268e-006
a3 = 1.518109e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	734594.9	-1.5001	0.0000
0.9999	655983.0	0.9999	0.0000
4.4999	561459.4	4.4999	-0.0000
7.9999	482121.0	7.9999	-0.0000
11.4999	415301.7	11.4999	0.0000
14.9999	358842.0	14.9999	0.0000
18.4999	310983.8	18.4999	0.0000
21.9999	270289.4	21.9999	0.0000
25.4999	235582.4	25.4999	-0.0000
28.9999	205894.6	28.9999	-0.0000
32.4999	180426.9	32.4999	0.0000

Temperature ITS-90 = $1/\{a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]\} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

