

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1603
CALIBRATION DATE: 13-Feb-14

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.164171e-004
a1 = 3.076065e-004
a2 = -4.455078e-006
a3 = 2.054473e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	865569.3	-1.4999	0.0001
1.0000	774099.9	0.9999	-0.0001
4.5000	663932.9	4.4999	-0.0001
8.0000	571292.4	8.0000	-0.0000
11.5000	493128.5	11.5001	0.0001
15.0000	426967.1	15.0001	0.0001
18.5000	370784.7	18.5000	0.0000
22.0000	322928.8	22.0000	-0.0000
25.5000	282042.4	25.4999	-0.0001
29.0000	247007.5	29.0000	-0.0000
32.5001	216900.4	32.5002	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

n = instrument output

