

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3769
CALIBRATION DATE: 04-Mar-15

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.513930e-005
a1 = 2.780849e-004
a2 = -2.616945e-006
a3 = 1.602201e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	716325.3	-1.5000	0.0000
0.9999	639144.6	0.9999	0.0000
4.5000	546438.8	4.4999	-0.0001
8.0000	468721.8	8.0000	-0.0000
11.4999	403347.1	11.5000	0.0001
15.0000	348171.6	15.0000	0.0000
18.5000	301454.0	18.5000	0.0000
22.0000	261772.8	22.0000	-0.0000
25.4999	227965.2	25.4999	0.0000
29.0000	199075.1	28.9999	-0.0001
32.4999	174315.7	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

n = instrument output

