

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0554
CALIBRATION DATE: 08-Dec-11

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 6.404284e-005
a1 = 2.663474e-004
a2 = -1.941808e-006
a3 = 1.459245e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	771117.9	-1.5001	0.0000
0.9999	687829.9	0.9999	-0.0000
4.4999	587811.3	4.4999	-0.0000
7.9999	503986.1	7.9999	-0.0000
11.4999	433493.0	11.4999	0.0000
14.9999	374014.6	14.9999	0.0000
18.4999	323668.9	18.4999	0.0000
21.9999	280919.3	21.9999	0.0000
25.4999	244509.4	25.4999	-0.0000
28.9999	213406.1	28.9999	-0.0000
32.4999	186759.7	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

