

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1574
CALIBRATION DATE: 05-Mar-15

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.770751e-004
a1 = 3.133166e-004
a2 = -4.940995e-006
a3 = 2.147255e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	731137.0	-1.5000	0.0001
0.9999	652977.6	0.9998	-0.0001
4.5000	559003.9	4.4999	-0.0001
7.9999	480136.7	8.0000	0.0001
11.4999	413724.2	11.4999	0.0000
15.0000	357610.8	15.0000	0.0000
18.4999	310048.6	18.5000	0.0001
22.0000	269607.3	21.9999	-0.0001
25.4999	235114.5	25.4999	-0.0000
29.0000	205607.6	28.9999	-0.0001
32.4999	180292.4	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

