

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1623
CALIBRATION DATE: 09-Dec-11

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -6.657837×10^{-6}

a1 = 2.760341×10^{-4}

a2 = -2.295200×10^{-6}

a3 = 1.562378×10^{-7}

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	718064.3	-1.5001	0.0000
0.9999	641785.9	0.9999	-0.0000
4.4999	549978.1	4.4999	-0.0000
7.9999	472831.9	7.9999	0.0000
11.4999	407788.1	11.4999	0.0000
14.9999	352767.8	14.9999	0.0000
18.4999	306078.1	18.4999	0.0000
21.9999	266335.3	21.9999	-0.0000
25.4999	232403.1	25.4999	-0.0000
28.9999	203347.2	28.9999	-0.0000
32.4999	178396.0	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

