

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0562
CALIBRATION DATE: 13-Jan-12

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 2.282327e-007
a1 = 2.789434e-004
a2 = -2.569062e-006
a3 = 1.660043e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	671145.0	-1.5001	0.0000
0.9999	599915.9	0.9999	-0.0000
4.4999	514167.7	4.4999	-0.0000
7.9999	442098.3	7.9999	-0.0000
11.4999	381322.9	11.4999	0.0000
14.9999	329905.2	15.0000	0.0001
18.4999	286266.8	18.4999	0.0000
21.9999	249115.1	21.9999	0.0000
25.4999	217392.5	25.4998	-0.0001
28.9999	190224.5	28.9999	-0.0000
32.4999	166892.0	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

