

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1428
CALIBRATION DATE: 09-Dec-11

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.738493e-005

a1 = 2.645097e-004

a2 = -1.678690e-006

a3 = 1.344131e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	859633.4	-1.5001	0.0000
0.9999	766722.8	0.9999	0.0000
4.4999	655175.8	4.4999	-0.0000
7.9999	561709.3	7.9999	0.0000
11.4999	483124.9	11.4999	-0.0000
14.9999	416830.6	14.9999	0.0000
18.4999	360723.2	18.4999	0.0000
21.9999	313086.8	21.9999	0.0000
25.4999	272518.8	25.4999	-0.0000
28.9999	237865.8	28.9999	-0.0000
32.4999	208180.1	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

