

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0814
CALIBRATION DATE: 04-Mar-15

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.523939e-004
a1 = 4.304893e-004
a2 = -1.663987e-005
a3 = 5.842114e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	772389.4	-1.5000	-0.0000
0.9999	690788.3	1.0000	0.0001
4.5000	592266.8	4.5000	-0.0000
8.0000	509223.0	8.0000	-0.0000
11.4999	439032.2	11.5000	0.0001
15.0000	379544.4	15.0000	-0.0000
18.5000	328993.6	18.5000	-0.0000
22.0000	285924.7	22.0000	-0.0000
25.4999	249135.5	25.5000	0.0001
29.0000	217630.6	28.9999	-0.0001
32.4999	190583.1	32.4999	0.0000

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

